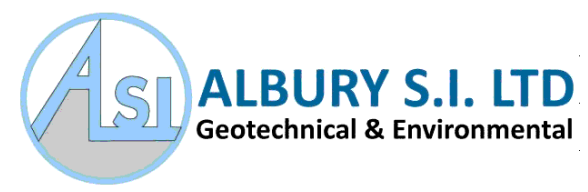




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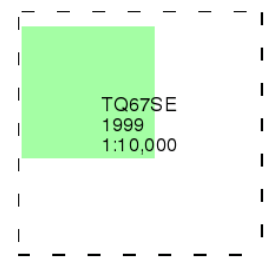
# 10k Raster Mapping

## Published 1999

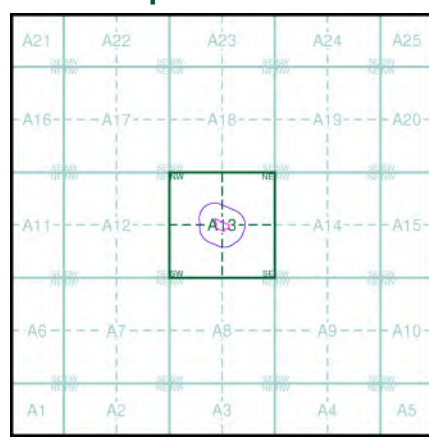
### Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

## Map Name(s) and Date(s)



## Historical Map - Slice A



## Order Details

Order Number: 363793261\_1\_1  
Customer Ref: 24/13027/GO  
National Grid Reference: 566410, 173340  
Slice: A  
Site Area (Ha): 0.4  
Search Buffer (m): 1000

## Site Details

Rose Avenue, GRAVESEND, DA12 2LN



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

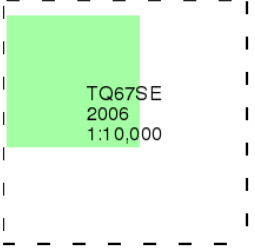




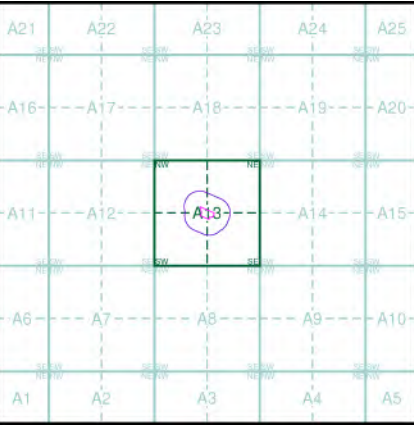
**10k Raster Mapping**  
**Published 2006**  
**Source map scale - 1:10,000**

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

**Map Name(s) and Date(s)**



**Historical Map - Slice A**



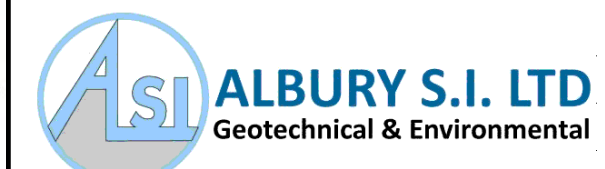
**Order Details**  
Order Number: 363793261\_1\_1  
Customer Ref: 24/13027/GO  
National Grid Reference: 566410, 173340  
Slice: A  
Site Area (Ha): 0.4  
Search Buffer (m): 1000

**Site Details**  
Rose Avenue, GRAVESEND, DA12 2LN





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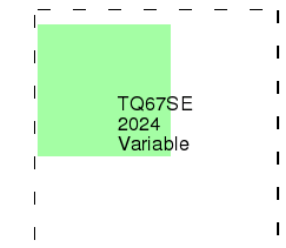
## VectorMap Local

### Published 2024

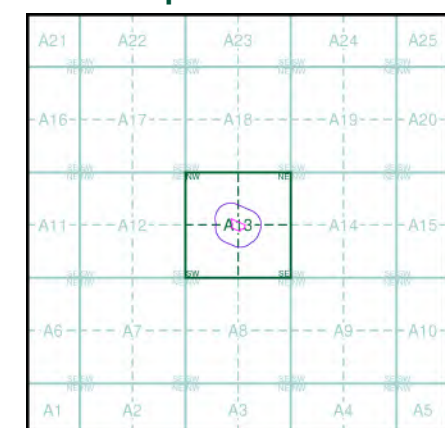
### Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

Order Number: 363793261\_1\_1  
Customer Ref: 24/13027/GO  
National Grid Reference: 566410, 173340  
Slice: A  
Site Area (Ha): 0.4  
Search Buffer (m): 1000

### Site Details

Rose Avenue, GRAVESEND, DA12 2LN



Tel: 0844 844 9952  
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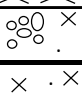
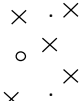
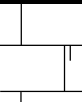


**APPENDIX 2**

**EXPLORATORY RECORDS**

|                                                                                           |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
|-------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------|------------|----|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div>ALBURY S.I. LTD</div> <div>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH</div> |           |                                                           |            |    | BOREHOLE   |                                                                                     | 1                                                                                                                                   |                                                                                                                                                                |  |
| Contract                                                                                  |           | Rose Avenue, Gravesend                                    |            |    |            | Report Ref                                                                          |                                                                                                                                     | 24/13027/GO                                                                                                                                                    |  |
| Client                                                                                    |           | Gravesham Borough Council                                 |            |    |            | Ground Level                                                                        |                                                                                                                                     |                                                                                                                                                                |  |
| Site Address                                                                              |           | Rose Avenue, Gravesend, Kent DA12 2LN                     |            |    |            | Date Commenced                                                                      |                                                                                                                                     | 25/11/2024                                                                                                                                                     |  |
|                                                                                           |           |                                                           |            |    |            | Date Completed                                                                      |                                                                                                                                     | 25/11/2024                                                                                                                                                     |  |
| Type & Diameter of Boring                                                                 |           | Premier Rig (100mm to 46mm diameter Ø) SPT Hammer Er: 85% |            |    |            | Sheet No                                                                            |                                                                                                                                     | 1 of 1                                                                                                                                                         |  |
| Water Strikes, m                                                                          |           | Water levels recorded during boring, m                    |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| 1                                                                                         | none      | Date                                                      |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| 2                                                                                         |           | Hole Depth                                                |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| 3                                                                                         |           | Casing Depth                                              |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| 4                                                                                         |           | Water Level                                               |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| Remarks                                                                                   |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| Hand excavation of starter pit to 1.00m depth to clear buried services                    |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| Borehole extended by dynamic probing (DPSH) below 5.00m                                   |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| Samples or Tests                                                                          |           | Standard Penetration Tests                                |            |    | Depth<br>m |                                                                                     | Legend                                                                                                                              | Strata Description                                                                                                                                             |  |
| Type                                                                                      | Depth, m  | Seat                                                      | Test Drive | N  |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| D                                                                                         | 0.30      | 1, 1                                                      | 2, 1, 2, 2 | 7  | 0.40       |                                                                                     |                                                    | Resin bound surface over MADE GROUND (greyish brown gravelly very silty SAND. Gravel is of asphalt, white chalk fragments, flint and occasional flint cobbles) |  |
| D                                                                                         | 0.50      |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| D                                                                                         | 0.75      |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| D                                                                                         | 0.90      |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| T                                                                                         | 1.00-1.45 |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| T                                                                                         | 1.00-2.00 | 2, 3                                                      | 3, 4, 8, 6 | 21 | 2.00       |    | Pale brown/off-white slightly sandy silty GRAVEL of flint and chalk fragments                                                       |                                                                                                                                                                |  |
|                                                                                           |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
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|                                                                                           |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| T                                                                                         | 2.00-2.45 | 2, 2                                                      | 3, 6, 3, 2 | 14 |            |    | Pale brown/off-white gravelly slightly sandy SILT. Gravel is of white chalk with occasional flint. Becoming cream/white below 1.50m |                                                                                                                                                                |  |
|                                                                                           |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
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| T                                                                                         | 2.00-3.00 | 2, 2                                                      | 3, 6, 3, 2 | 14 |            |   | White CHALK with occasional orange staining along fractures and scattered flint gravel, with a band of flints at 3.75m              |                                                                                                                                                                |  |
|                                                                                           |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
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|                                                                                           |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| T                                                                                         | 3.00-3.45 | 2, 3                                                      | 3, 3, 2, 5 | 13 |            |  |                                                                                                                                     |                                                                                                                                                                |  |
|                                                                                           |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
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| T                                                                                         | 3.00-4.00 | 2, 3                                                      | 3, 3, 2, 5 | 13 |            |  |                                                                                                                                     |                                                                                                                                                                |  |
|                                                                                           |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
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|                                                                                           |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
| T                                                                                         | 4.00-4.45 |                                                           |            |    | 5.00       |  |                                                                                                                                     |                                                                                                                                                                |  |
|                                                                                           |           |                                                           |            |    |            |                                                                                     |                                                                                                                                     |                                                                                                                                                                |  |
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| T                                                                                         | 4.00-5.00 |                                                           |            |    |            |  |                                                                                                                                     |                                                                                                                                                                |  |
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| <div><div><div></div><div>51</div></div></div> <div>ALBURY S.I. LTD</div> <div>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH</div> |                      | Report Ref                                                                                                                                       | 24/13027/GO               |  | DYNAMIC PROBE | BH1          |            |
| Sheet 1 of 1                                                                                                                             |                      | Client                                                                                                                                           | Gravesham Borough Council |  |               | Date         | 25/11/2024 |
| DPSH Dynamic Probe                                                                                                                       |                      | Contract                                                                                                                                         | Rose Avenue, Gravesend    |  |               | Ground Level |            |
| Sacrificial Tip                                                                                                                          |                      |                                                                                                                                                  |                           |  |               |              | Torque, Nm |
| Depth, m                                                                                                                                 | Blows / 100 mm       | <div><div>0</div><div>10</div><div>20</div><div>30</div><div>40</div><div>50</div></div>                                                         |                           |  |               |              |            |
| GL                                                                                                                                       |                      | <div><div>0</div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div></div> |                           |  |               |              |            |
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| <div>Remarks</div> <div>Probing commenced from base of borehole at 5.00m</div>                                                           |                      |                                                                                                                                                  |                           |  |               |              |            |

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| T                                                                                         | 1.00-2.00 | 3, 5                                                      | 5, 5, 5, 5 | 20 | 2.00       | <br>     | Pale brown gravelly slightly sandy SILT. Gravel is of white chalk with occasional flint<br><br>Cream slightly gravelly slightly sandy SILT. Gravel is of chalk and occasional flint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| T                                                                                         | 4.00-4.45 | 1, 2                                                      | 2, 3, 2, 3 | 10 | 5.00       | <br> | White CHALK with occasional orange staining along fractures and scattered flint gravel<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><b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|                                                                                                                           |           |                                                           |            |    |                |  |             |                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------|------------|----|----------------|--|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div><div></div><div>ALBURY S.I. LTD</div><div>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH</div></div></div> |           |                                                           |            |    | BOREHOLE       |  | 3           |                                                                                                                                                    |
| Contract                                                                                                                  |           | Rose Avenue, Gravesend                                    |            |    | Report Ref     |  | 24/13027/GO |                                                                                                                                                    |
| Client                                                                                                                    |           | Gravesham Borough Council                                 |            |    | Ground Level   |  |             |                                                                                                                                                    |
| Site Address                                                                                                              |           | Rose Avenue, Gravesend, Kent DA12 2LN                     |            |    | Date Commenced |  | 25/11/2024  |                                                                                                                                                    |
|                                                                                                                           |           |                                                           |            |    | Date Completed |  | 25/11/2024  |                                                                                                                                                    |
| Type & Diameter of Boring                                                                                                 |           | Premier Rig (100mm to 46mm diameter Ø) SPT Hammer Er: 85% |            |    | Sheet No       |  | 1 of 1      |                                                                                                                                                    |
| Water Strikes, m                                                                                                          |           | Water levels recorded during boring, m                    |            |    |                |  |             |                                                                                                                                                    |
| 1                                                                                                                         | none      | Date                                                      |            |    |                |  |             |                                                                                                                                                    |
| 2                                                                                                                         |           | Hole Depth                                                |            |    |                |  |             |                                                                                                                                                    |
| 3                                                                                                                         |           | Casing Depth                                              |            |    |                |  |             |                                                                                                                                                    |
| 4                                                                                                                         |           | Water Level                                               |            |    |                |  |             |                                                                                                                                                    |
| Remarks                                                                                                                   |           |                                                           |            |    |                |  |             |                                                                                                                                                    |
| Hand excavation of starter pit to 1.00m depth to clear buried services                                                    |           |                                                           |            |    |                |  |             |                                                                                                                                                    |
| Borehole extended by dynamic probing (DPSH) below 5.00m with refusal due to probable flint obstruction at 5.10m           |           |                                                           |            |    |                |  |             |                                                                                                                                                    |
| Samples or Tests                                                                                                          |           | Standard Penetration Tests                                |            |    | Depth<br>m     |  | Legend      | Strata Description                                                                                                                                 |
| Type                                                                                                                      | Depth, m  | Seat                                                      | Test Drive | N  |                |  |             |                                                                                                                                                    |
| D                                                                                                                         | 0.30      | 1, 2                                                      | 5, 5, 6, 6 | 22 | 0.45           |  |             | Resin bound surface over MADE GROUND (dark brown sandy GRAVEL of asphalt, flint, stone, brick, mortar and occasional clinker)                      |
| D                                                                                                                         | 0.50      |                                                           |            |    |                |  |             |                                                                                                                                                    |
| D                                                                                                                         | 0.75      |                                                           |            |    |                |  |             |                                                                                                                                                    |
| D                                                                                                                         | 0.90      |                                                           |            |    |                |  |             |                                                                                                                                                    |
|                                                                                                                           | 1.00-1.45 | 6, 8                                                      | 8, 6, 6, 5 | 25 | 1.90           |  |             | Brown slightly gravelly slightly clayey very silty SAND. Gravel is of flint, some cobble-sized and occasional white chalk fragments                |
| T                                                                                                                         | 1.00-2.00 |                                                           |            |    |                |  |             |                                                                                                                                                    |
|                                                                                                                           | 2.00-2.45 | 2, 3                                                      | 3, 3, 4, 4 | 14 |                |  |             | Cream very gravelly very silty SAND. Gravel is of flint with much flint cobbles                                                                    |
| T                                                                                                                         | 2.00-3.00 |                                                           |            |    |                |  |             |                                                                                                                                                    |
|                                                                                                                           | 3.00-3.45 | 2, 3                                                      | 2, 2, 4, 6 | 14 | 5.00           |  |             | Cream becoming white CHALK with occasional orange staining along fractures and scattered flint gravel, some veins of dark brown marl noted c.3.50m |
|                                                                                                                           | 3.00-4.00 |                                                           |            |    |                |  |             |                                                                                                                                                    |
|                                                                                                                           | 4.00-4.45 |                                                           |            |    |                |  |             |                                                                                                                                                    |
| T                                                                                                                         | 4.00-5.00 |                                                           |            |    |                |  |             |                                                                                                                                                    |
|                                                                                                                           |           |                                                           |            |    |                |  |             | END OF BOREHOLE - Extended by dynamic probing                                                                                                      |



|                                                                                                                                                                             |                |            |                           |    |               |              |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|---------------------------|----|---------------|--------------|------------|
| <div><div><div></div></div><div>ALBURY S.I. LTD</div><div>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH</div></div>                                                   |                | Report Ref | 24/13027/GO               |    | DYNAMIC PROBE | BH3          |            |
| Sheet 1 of 1                                                                                                                                                                |                | Client     | Gravesham Borough Council |    |               | Date         | 25/11/2024 |
| DPSH Dynamic Probe                                                                                                                                                          |                | Contract   | Rose Avenue, Gravesend    |    |               | Ground Level |            |
| Sacrificial Tip                                                                                                                                                             |                |            |                           |    |               |              | Torque, Nm |
| Depth, m                                                                                                                                                                    | Blows / 100 mm | 0          | 10                        | 20 | 30            | 40           | 50         |
| GL                                                                                                                                                                          |                | 0          |                           |    |               |              |            |
| 1                                                                                                                                                                           |                | 1          |                           |    |               |              |            |
| 2                                                                                                                                                                           |                | 2          |                           |    |               |              |            |
| 3                                                                                                                                                                           |                | 3          |                           |    |               |              |            |
| 4                                                                                                                                                                           |                | 4          |                           |    |               |              |            |
| 5                                                                                                                                                                           | 6<br>30        | 5          |                           |    |               |              |            |
| 6                                                                                                                                                                           |                | 6          |                           |    |               |              |            |
| 7                                                                                                                                                                           |                | 7          |                           |    |               |              |            |
| 8                                                                                                                                                                           |                | 8          |                           |    |               |              |            |
| 9                                                                                                                                                                           |                | 9          |                           |    |               |              |            |
| 10                                                                                                                                                                          |                | 10         |                           |    |               |              |            |
| <div>Remarks</div> <div>Probing commenced from base of borehole at 5.00m</div> <div>Refusal at 5.10m with no further progress achievable - probable flint obstruction</div> |                |            |                           |    |               |              |            |





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Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH

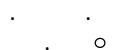
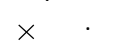
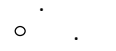
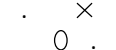
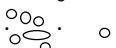
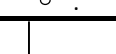
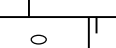
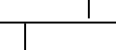
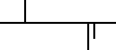
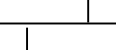
BOREHOLE

A

|                   |                                       |                                 |                     |
|-------------------|---------------------------------------|---------------------------------|---------------------|
| Contract          | Rose Avenue, Gravesend                | Report Ref                      | 24/13027/GO         |
| Client            | Gravesham Borough Council             | Date                            | 25/11/2024          |
| Site Address      | Rose Avenue, Gravesend, Kent DA12 2LN | Ground Level                    |                     |
| Type of excavator | Window Sampler                        | Water level after completion, m | dry                 |
| Water strikes, m  | Dimensions, m                         | Ease of excavation, m           |                     |
| 1 none            | Diameter 0.06                         | Very easy                       | Difficult 0.80-4.10 |
| 2                 |                                       | Moderate GL-0.80                | Very hard           |

Remarks

| Samples or tests |          | Shear Strength<br>kPa | Depth |  | Legend | Strata Description                                                                                                                                                  |
|------------------|----------|-----------------------|-------|--|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type             | Depth, m |                       |       |  |        |                                                                                                                                                                     |
| D                | 0.10     |                       |       |  |        | Grass over MADE GROUND (brown slightly gravelly silty SAND with occasional roots. Gravel is of flint, white chalk fragments and occasional burnt material/charcoal) |
| D                | 0.30     |                       | 0.25  |  |        |                                                                                                                                                                     |
| D                | 0.50     |                       | 0.40  |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        | Brown slightly gravelly silty SAND with occasional roots. Gravel is of white chalk fragments                                                                        |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        | Light brown slightly gravelly very silty SAND. Gravel is of white chalk fragments                                                                                   |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
| D                | 1.00     |                       | 1.30  |  |        | White CHALK with occasional flints, orange staining and black specks. Traces of dark grey marl/clay infill to joints at depth (3.50-4.00m)                          |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
| D                | 1.50     |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
| D                | 2.00     |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
| D                | 2.50     |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
| D                | 3.00     |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
| D                | 3.50     |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
| D                | 4.00     |                       | 4.10  |  |        | END OF BOREHOLE                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                     |

|                                                                                                                                                                                   |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                           |  |             |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------|--------------|----------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|
| <div> <b>ALBURY S.I. LTD</b></div> <div>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH</div> |                 |                                       |              | <b>BOREHOLE</b>                        |                                                                                     | <b>B</b>                                                                                                                                                  |  |             |  |
| <b>Contract</b>                                                                                                                                                                   |                 | Rose Avenue, Gravesend                |              |                                        |                                                                                     | <b>Report Ref</b>                                                                                                                                         |  | 24/13027/GO |  |
| <b>Client</b>                                                                                                                                                                     |                 | Gravesham Borough Council             |              |                                        |                                                                                     | <b>Date</b>                                                                                                                                               |  | 25/11/2024  |  |
| <b>Site Address</b>                                                                                                                                                               |                 | Rose Avenue, Gravesend, Kent DA12 2LN |              |                                        |                                                                                     | <b>Ground Level</b>                                                                                                                                       |  |             |  |
| <b>Type of excavator</b>                                                                                                                                                          |                 | Window Sampler                        |              | <b>Water level after completion, m</b> |                                                                                     | dry                                                                                                                                                       |  |             |  |
| <b>Water strikes, m</b>                                                                                                                                                           |                 | <b>Dimensions, m</b>                  |              | <b>Ease of excavation, m</b>           |                                                                                     |                                                                                                                                                           |  |             |  |
| 1      none                                                                                                                                                                       |                 | Diameter      0.06 to 0.05            |              | Very easy                              |                                                                                     | Difficult                                                                                                                                                 |  | 0.70-1.40   |  |
| 2                                                                                                                                                                                 |                 |                                       |              | Moderate      GL-0.70, 1.50-2.50       |                                                                                     | Very hard                                                                                                                                                 |  | 2.50+       |  |
| <b>Remarks</b><br>Falling head soakaway test in borehole with 3 cycles performed.                                                                                                 |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                           |  |             |  |
| <b>Samples or tests</b>                                                                                                                                                           |                 | <b>Shear Strength<br/>kPa</b>         | <b>Depth</b> |                                        | <b>Legend</b>                                                                       | <b>Strata Description</b>                                                                                                                                 |  |             |  |
| <b>Type</b>                                                                                                                                                                       | <b>Depth, m</b> |                                       |              |                                        |                                                                                     |                                                                                                                                                           |  |             |  |
| D                                                                                                                                                                                 | 0.10            |                                       |              |                                        |    | Grass over MADE GROUND (dark brown slightly gravelly silty SAND. Gravel is of flint, brick and slate fragments)                                           |  |             |  |
| D                                                                                                                                                                                 | 0.30            |                                       | 0.25         |                                        |    |                                                                                                                                                           |  |             |  |
| D                                                                                                                                                                                 | 0.50            |                                       | 0.40         |                                        |    | Brown slightly gravelly silty SAND. Gravel is of white chalk                                                                                              |  |             |  |
|                                                                                                                                                                                   |                 |                                       |              |                                        |    |                                                                                                                                                           |  |             |  |
|                                                                                                                                                                                   |                 |                                       |              |                                        |   | Brown slightly gravelly silty SAND. Gravel is of white chalk and occasional flint, becoming more gravelly at depth with pockets of comminuted white chalk |  |             |  |
| D                                                                                                                                                                                 | 1.00            |                                       |              |                                        |  |                                                                                                                                                           |  |             |  |
|                                                                                                                                                                                   |                 |                                       | 1.30         |                                        |  | Cream/white CHALK with occasional flints, orangish staining and black specks, with a rare thin vein of brown/greenish grey marl/clay at depth (2.50m)     |  |             |  |
| D                                                                                                                                                                                 | 1.50            |                                       |              |                                        |  |                                                                                                                                                           |  |             |  |
|                                                                                                                                                                                   |                 |                                       |              |                                        |  |                                                                                                                                                           |  |             |  |
| D                                                                                                                                                                                 | 2.00            |                                       |              |                                        |  |                                                                                                                                                           |  |             |  |
|                                                                                                                                                                                   |                 |                                       |              |                                        |  |                                                                                                                                                           |  |             |  |
| D                                                                                                                                                                                 | 2.40            |                                       | 2.50         |                                        |  |                                                                                                                                                           |  |             |  |
|                                                                                                                                                                                   |                 |                                       |              |                                        |                                                                                     | END OF BOREHOLE - flint obstruction                                                                                                                       |  |             |  |
|                                                                                                                                                                                   |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                           |  |             |  |
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# FALLING HEAD PERMEABILITY TEST RESULTS



|               |                        |
|---------------|------------------------|
| Contract      | Rose Avenue, Gravesend |
| Report Ref    | 24/13027/GO            |
| Test Location | B - Cycle 1            |

| Time (mins) | Head (m) | Depth to Water (m) |
|-------------|----------|--------------------|
| 0           | 1.65     | 0.85               |
| 0.25        | 1.30     | 1.20               |
| 0.5         | 1.10     | 1.40               |
| 0.75        | 0.95     | 1.55               |
| 1           | 0.85     | 1.65               |
| 2           | 0.54     | 1.96               |
| 3           | 0.38     | 2.12               |
| 4           | 0.32     | 2.18               |
| 5           | 0.29     | 2.21               |
| 10          | 0.19     | 2.31               |
| 15          | 0.17     | 2.33               |
| 20          | 0.17     | 2.33               |
|             |          |                    |
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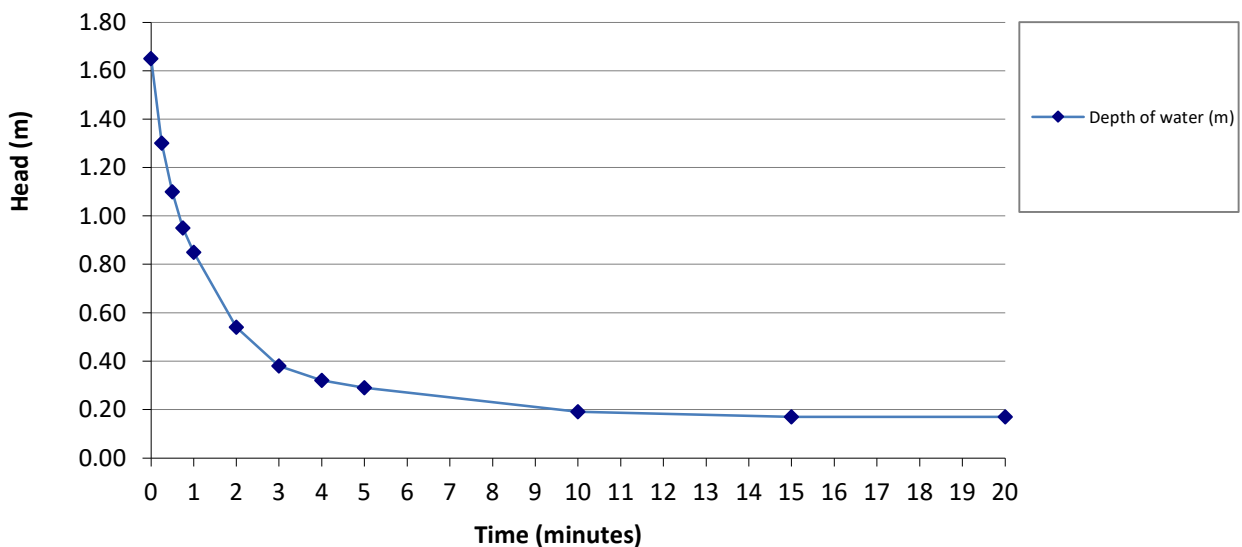
## Test Cell Dimensions (m)

|                   |      |
|-------------------|------|
| Groundwater Level | none |
| Diameter          | 0.05 |
| Depth             | 2.50 |

## Remarks:

1. Small-scale falling head test performed
2. Test undertaken 25/11/2024

Fall of water over time



|                               |                       |
|-------------------------------|-----------------------|
| Soil Permeability (m/sec) $k$ | $2.00 \times 10^{-6}$ |
|-------------------------------|-----------------------|

# FALLING HEAD PERMEABILITY TEST RESULTS



|               |                        |
|---------------|------------------------|
| Contract      | Rose Avenue, Gravesend |
| Report Ref    | 24/13027/GO            |
| Test Location | B - Cycle 2            |

| Time (mins) | Head (m) | Depth to Water (m) |
|-------------|----------|--------------------|
| 0           | 1.66     | 0.84               |
| 0.25        | 1.30     | 1.20               |
| 0.5         | 1.13     | 1.37               |
| 0.75        | 1.01     | 1.49               |
| 1           | 0.93     | 1.57               |
| 2           | 0.62     | 1.88               |
| 3           | 0.47     | 2.03               |
| 4           | 0.36     | 2.14               |
| 5           | 0.31     | 2.19               |
| 10          | 0.20     | 2.30               |
| 15          | 0.17     | 2.33               |
| 20          | 0.17     | 2.33               |
|             |          |                    |
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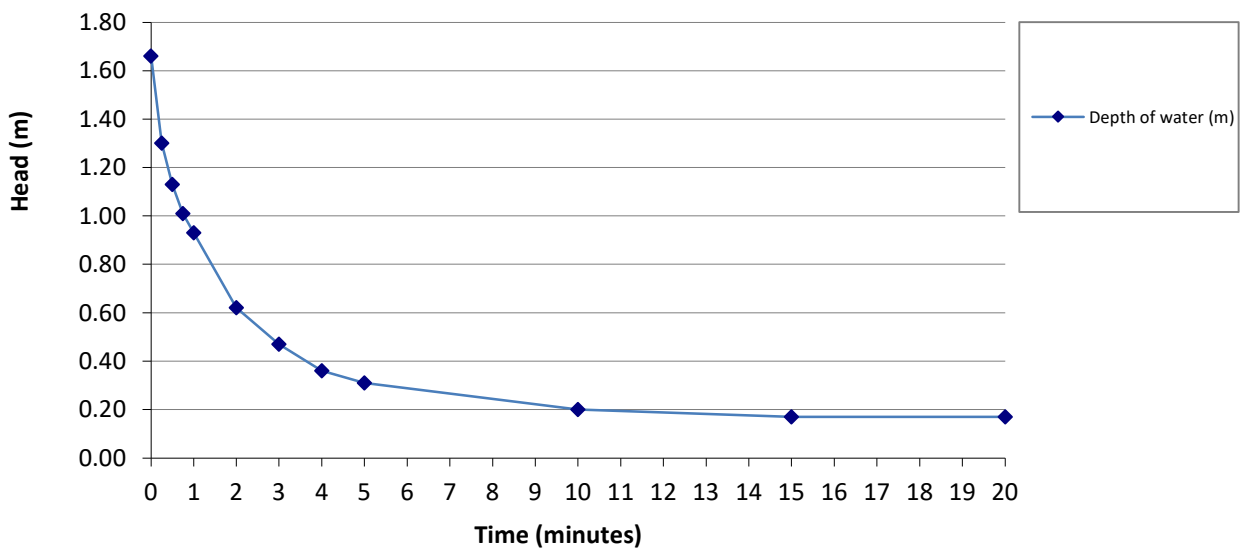
## Test Cell Dimensions (m)

|                   |      |
|-------------------|------|
| Groundwater Level | none |
| Diameter          | 0.05 |
| Depth             | 2.50 |

## Remarks:

1. Small-scale falling head test performed
2. Test undertaken 25/11/2024

Fall of water over time



|                                    |                         |
|------------------------------------|-------------------------|
| Soil Permeability (m/sec) <i>k</i> | 2.01 x 10 <sup>-6</sup> |
|------------------------------------|-------------------------|



# FALLING HEAD PERMEABILITY TEST RESULTS



|               |                        |
|---------------|------------------------|
| Contract      | Rose Avenue, Gravesend |
| Report Ref    | 24/13027/GO            |
| Test Location | B - Cycle 3            |

| Time (mins) | Head (m) | Depth to Water (m) |
|-------------|----------|--------------------|
| 0           | 1.65     | 0.85               |
| 0.25        | 1.27     | 1.23               |
| 0.5         | 1.12     | 1.38               |
| 0.75        | 1.01     | 1.49               |
| 1           | 0.94     | 1.56               |
| 2           | 0.71     | 1.79               |
| 3           | 0.57     | 1.93               |
| 4           | 0.46     | 2.04               |
| 5           | 0.38     | 2.12               |
| 10          | 0.23     | 2.27               |
| 15          | 0.17     | 2.33               |
| 20          | 0.17     | 2.33               |
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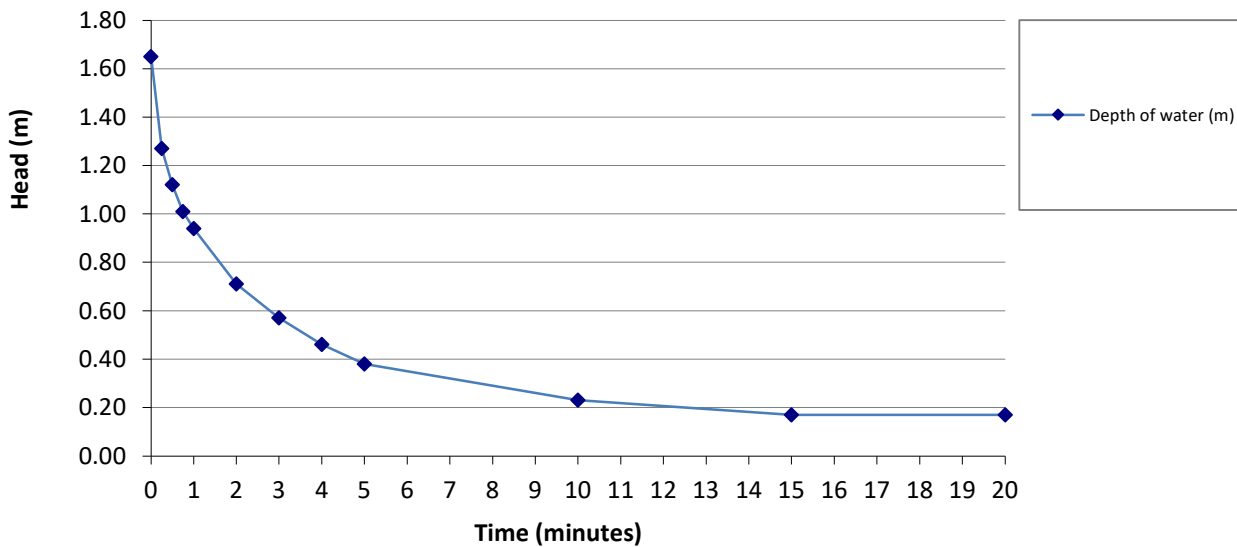
## Test Cell Dimensions (m)

|                   |      |
|-------------------|------|
| Groundwater Level | none |
| Diameter          | 0.05 |
| Depth             | 2.50 |

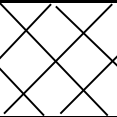
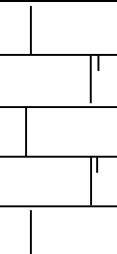
## Remarks:

1. Small-scale falling head test performed
2. Test undertaken 25/11/2024

Fall of water over time



|                                    |                         |
|------------------------------------|-------------------------|
| Soil Permeability (m/sec) <i>k</i> | 2.01 x 10 <sup>-6</sup> |
|------------------------------------|-------------------------|

|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------|--------------|----------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|
| <div> <b>ALBURY S.I. LTD</b><br/>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH</div> |                 |                                       |              | <b>BOREHOLE</b>                        |                                                                                     | <b>C</b>                                                                                                                                       |  |             |  |
| <b>Contract</b>                                                                                                                                                            |                 | Rose Avenue, Gravesend                |              |                                        |                                                                                     | <b>Report Ref</b>                                                                                                                              |  | 24/13027/GO |  |
| <b>Client</b>                                                                                                                                                              |                 | Gravesham Borough Council             |              |                                        |                                                                                     | <b>Date</b>                                                                                                                                    |  | 25/11/2024  |  |
| <b>Site Address</b>                                                                                                                                                        |                 | Rose Avenue, Gravesend, Kent DA12 2LN |              |                                        |                                                                                     | <b>Ground Level</b>                                                                                                                            |  |             |  |
| <b>Type of excavator</b>                                                                                                                                                   |                 | Window Sampler                        |              | <b>Water level after completion, m</b> |                                                                                     | dry                                                                                                                                            |  |             |  |
| <b>Water strikes, m</b>                                                                                                                                                    |                 | <b>Dimensions, m</b>                  |              | <b>Ease of excavation, m</b>           |                                                                                     |                                                                                                                                                |  |             |  |
| 1      none                                                                                                                                                                |                 | Diameter      0.06                    |              | Very easy                              |                                                                                     | Difficult                                                                                                                                      |  | 1.10-1.70   |  |
| 2                                                                                                                                                                          |                 |                                       |              | Moderate      GL-1.10, 1.70-3.10       |                                                                                     | Very hard                                                                                                                                      |  |             |  |
| <b>Remarks</b>                                                                                                                                                             |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
| <b>Samples or tests</b>                                                                                                                                                    |                 | <b>Shear Strength<br/>kPa</b>         | <b>Depth</b> |                                        | <b>Legend</b>                                                                       | <b>Strata Description</b>                                                                                                                      |  |             |  |
| <b>Type</b>                                                                                                                                                                | <b>Depth, m</b> |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
| D                                                                                                                                                                          | 0.10            |                                       | 0.40         |                                        |    | MADE GROUND (dark brown slightly gravelly silty SAND with occasional roots. Gravel is of white chalk fragments, flint and occasional charcoal) |  |             |  |
| D                                                                                                                                                                          | 0.30            |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
| D                                                                                                                                                                          | 0.50            |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
| D                                                                                                                                                                          | 1.00            |                                       | 1.30         |                                        |   | Orangish brown very sandy CLAY with rare gravel of chalk, becoming clayey SAND with depth                                                      |  |             |  |
| D                                                                                                                                                                          | 1.50            |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
| D                                                                                                                                                                          | 2.00            |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
| D                                                                                                                                                                          | 2.50            |                                       | 3.10         |                                        |  | Cream/white CHALK with occasional flints and orangish staining                                                                                 |  |             |  |
| D                                                                                                                                                                          | 3.00            |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     | END OF BOREHOLE                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                                                |  |             |  |





ALBURY S.I. LTD

Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH

BOREHOLE

D

|                   |                                       |                                 |                     |
|-------------------|---------------------------------------|---------------------------------|---------------------|
| Contract          | Rose Avenue, Gravesend                | Report Ref                      | 24/13027/GO         |
| Client            | Gravesham Borough Council             | Date                            | 25/11/2024          |
| Site Address      | Rose Avenue, Gravesend, Kent DA12 2LN | Ground Level                    |                     |
| Type of excavator | Window Sampler                        | Water level after completion, m | dry                 |
| Water strikes, m  | Dimensions, m                         | Ease of excavation, m           |                     |
| 1 none            | Diameter 0.06                         | Very easy                       | Difficult 0.40-3.10 |
| 2                 |                                       | Moderate GL-0.40                | Very hard           |

Remarks

| Samples or tests |          | Shear Strength<br>kPa | Depth |  | Legend | Strata Description                                                                                                                     |
|------------------|----------|-----------------------|-------|--|--------|----------------------------------------------------------------------------------------------------------------------------------------|
| Type             | Depth, m |                       |       |  |        |                                                                                                                                        |
| D                | 0.10     |                       |       |  |        | Grass over MADE GROUND (dark brown slightly gravelly clayey SAND with rootlets. Gravel is of white chalk fragments with some charcoal) |
| D                | 0.30     |                       | 0.40  |  |        |                                                                                                                                        |
| D                | 0.50     |                       |       |  |        |                                                                                                                                        |
|                  |          |                       | 0.90  |  |        | Pale brown gravelly very sandy CLAY. Gravel is of white chalk and flint                                                                |
| D                | 1.00     |                       |       |  |        |                                                                                                                                        |
|                  |          |                       |       |  |        |                                                                                                                                        |
| D                | 1.50     |                       |       |  |        | Cream gravelly slightly sandy SILT. Gravel is of white chalk and occasional flint                                                      |
|                  |          |                       |       |  |        |                                                                                                                                        |
| D                | 2.00     |                       | 2.00  |  |        |                                                                                                                                        |
|                  |          |                       |       |  |        | Cream/white CHALK recovered as slightly sandy silty GRAVEL with orangish staining                                                      |
| D                | 2.50     |                       |       |  |        |                                                                                                                                        |
|                  |          |                       |       |  |        |                                                                                                                                        |
| D                | 3.00     |                       | 3.10  |  |        | END OF BOREHOLE                                                                                                                        |
|                  |          |                       |       |  |        |                                                                                                                                        |
|                  |          |                       |       |  |        |                                                                                                                                        |



**ALBURY S.I. LTD**

Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH

## BOREHOLE

**E**

## Contract

Rose Avenue, Gravesend

Report Ref

24/13027/GO

## Client

Gravesham Borough Council

Date \_\_\_\_\_

25/11/2024

**Site Address**

Rose Avenue, Gravesend, Kent DA12 2LN

### Ground Level

Type of excavator

## Window Sampler

Water level after completion, m

dry

Water strikes, m

Dimensions, m

Ease of excavation, m

1 none

Diameter 0.06

Very easy

Difficult 0.40-3.10

2

Moderate GL-0.40

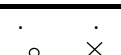
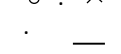
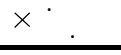
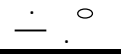
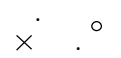
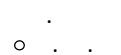
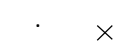
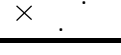
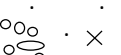
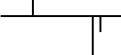
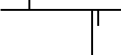
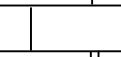
Very hard

## Remarks

Falling head soakaway test attempted but aborted due to conditions

| Samples or tests |          | Shear Strength<br>kPa | Depth |  | Legend | Strata Description                                                                                                                                                         |
|------------------|----------|-----------------------|-------|--|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type             | Depth, m |                       |       |  |        |                                                                                                                                                                            |
| D                | 0.10     |                       |       |  |        | Detritus over MADE GROUND (dark brown slightly gravelly clayey SAND with occasional roots. Gravel is of occasional brick fragments and charcoal)                           |
| D                | 0.30     |                       | 0.40  |  |        |                                                                                                                                                                            |
| D                | 0.50     |                       |       |  |        |                                                                                                                                                                            |
|                  |          |                       | 0.80  |  |        | Brown gravelly clayey SAND. Gravel is of white chalk fragments and flints                                                                                                  |
| D                | 1.00     |                       |       |  |        |                                                                                                                                                                            |
|                  |          |                       |       |  |        |                                                                                                                                                                            |
| D                | 1.50     |                       | 1.70  |  |        | Brown gravelly clayey SAND with pockets of comminuted white chalk. Gravel is of white chalk fragments and flint at depth, becoming very gravelly and mottled greyish brown |
|                  |          |                       |       |  |        |                                                                                                                                                                            |
|                  |          |                       |       |  |        |                                                                                                                                                                            |
| D                | 2.00     |                       |       |  |        | Cream/white CHALK recovered as slightly sandy silty GRAVEL with orangish staining and occasional flint                                                                     |
|                  |          |                       |       |  |        |                                                                                                                                                                            |
|                  |          |                       |       |  |        |                                                                                                                                                                            |
| D                | 2.50     |                       |       |  |        |                                                                                                                                                                            |
|                  |          |                       |       |  |        |                                                                                                                                                                            |
|                  |          |                       |       |  |        |                                                                                                                                                                            |
| D                | 3.00     |                       | 3.10  |  |        | END OF BOREHOLE                                                                                                                                                            |
|                  |          |                       |       |  |        |                                                                                                                                                                            |
|                  |          |                       |       |  |        |                                                                                                                                                                            |

Sample Code:    *B - Large Disturbed*    *D - Small Disturbed*    *W - Water Sample*    *R - Root Sample*    *T - Tube Liner*

|                                                                                                                                                                            |                 |                                       |              |                                        |                                                                                     |                                                                                                                             |  |             |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------|--------------|----------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--|-------------|--|
| <div> <b>ALBURY S.I. LTD</b><br/>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH</div> |                 |                                       |              | <b>BOREHOLE</b>                        |                                                                                     | <b>F</b>                                                                                                                    |  |             |  |
| <b>Contract</b>                                                                                                                                                            |                 | Rose Avenue, Gravesend                |              |                                        |                                                                                     | <b>Report Ref</b>                                                                                                           |  | 24/13027/GO |  |
| <b>Client</b>                                                                                                                                                              |                 | Gravesham Borough Council             |              |                                        |                                                                                     | <b>Date</b>                                                                                                                 |  | 25/11/2024  |  |
| <b>Site Address</b>                                                                                                                                                        |                 | Rose Avenue, Gravesend, Kent DA12 2LN |              |                                        |                                                                                     | <b>Ground Level</b>                                                                                                         |  |             |  |
| <b>Type of excavator</b>                                                                                                                                                   |                 | Window Sampler                        |              | <b>Water level after completion, m</b> |                                                                                     | dry                                                                                                                         |  |             |  |
| <b>Water strikes, m</b>                                                                                                                                                    |                 | <b>Dimensions, m</b>                  |              | <b>Ease of excavation, m</b>           |                                                                                     |                                                                                                                             |  |             |  |
| 1     none                                                                                                                                                                 |                 | Diameter     0.06                     |              | Very easy                              |                                                                                     | Difficult                                                                                                                   |  | 0.40-3.10   |  |
| 2                                                                                                                                                                          |                 |                                       |              | Moderate     GL-0.40                   |                                                                                     | Very hard                                                                                                                   |  |             |  |
| <b>Remarks</b><br>Falling head soakaway test in borehole                                                                                                                   |                 |                                       |              |                                        |                                                                                     |                                                                                                                             |  |             |  |
| <b>Samples or tests</b>                                                                                                                                                    |                 | <b>Shear Strength<br/>kPa</b>         | <b>Depth</b> |                                        | <b>Legend</b>                                                                       | <b>Strata Description</b>                                                                                                   |  |             |  |
| <b>Type</b>                                                                                                                                                                | <b>Depth, m</b> |                                       |              |                                        |                                                                                     |                                                                                                                             |  |             |  |
| D                                                                                                                                                                          | 0.10            |                                       |              |                                        |    | MADE GROUND (dark brown silty SAND with rare flint gravel)                                                                  |  |             |  |
| D                                                                                                                                                                          | 0.30            |                                       | 0.20         |                                        |    |                                                                                                                             |  |             |  |
| D                                                                                                                                                                          | 0.50            |                                       | 0.40         |                                        |    |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |    | Brown silty SAND with pockets of sandy clay and rare chalk fragments                                                        |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |   |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
| D                                                                                                                                                                          | 1.00            |                                       | 0.90         |                                        |  | Brown slightly gravelly very silty SAND. Gravel is of coarse flint and fine white chalk fragments                           |  |             |  |
|                                                                                                                                                                            |                 |                                       | 1.10         |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
| D                                                                                                                                                                          | 1.50            |                                       |              |                                        |  | Brown slightly gravelly very silty SAND. Gravel is of coarse flint and fine white chalk fragments                           |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       | 1.80         |                                        |  | Light brown gravelly silty SAND. Gravel is of white chalk fragments and flints                                              |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
| D                                                                                                                                                                          | 2.00            |                                       |              |                                        |  | Light brown gravelly silty SAND. Gravel is of white chalk fragments and flints                                              |  |             |  |
|                                                                                                                                                                            |                 |                                       | 2.10         |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  | Cream/white CHALK recovered as slightly sandy silty GRAVEL with orangish staining and black specks, becoming white at depth |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
| D                                                                                                                                                                          | 2.50            |                                       |              |                                        |  | Cream/white CHALK recovered as slightly sandy silty GRAVEL with orangish staining and black specks, becoming white at depth |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  | END OF BOREHOLE                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
| D                                                                                                                                                                          | 3.00            |                                       |              |                                        |  | END OF BOREHOLE                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       | 3.10         |                                        |  | END OF BOREHOLE                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |
|                                                                                                                                                                            |                 |                                       |              |                                        |  |                                                                                                                             |  |             |  |



# FALLING HEAD PERMEABILITY TEST RESULTS



|               |                        |
|---------------|------------------------|
| Contract      | Rose Avenue, Gravesend |
| Report Ref    | 24/13027/GO            |
| Test Location | F                      |

| Time (mins) | Head (m) | Depth to Water (m) |
|-------------|----------|--------------------|
| 0           | 2.44     | 0.66               |
| 0.25        | 2.38     | 0.72               |
| 0.5         | 2.36     | 0.74               |
| 0.75        | 2.32     | 0.78               |
| 1           | 2.32     | 0.78               |
| 2           | 2.25     | 0.85               |
| 3           | 2.20     | 0.90               |
| 4           | 2.15     | 0.95               |
| 5           | 2.10     | 1.00               |
| 10          | 1.85     | 1.25               |
| 15          | 1.71     | 1.39               |
| 25          | 1.20     | 1.90               |
| 30          | 1.10     | 2.00               |
| 45          | 0.99     | 2.11               |
| 60          | 0.90     | 2.20               |
| 75          | 0.84     | 2.26               |
| 90          | 0.74     | 2.36               |
| 105         | 0.68     | 2.42               |
| 120         | 0.63     | 2.47               |
|             |          |                    |
|             |          |                    |

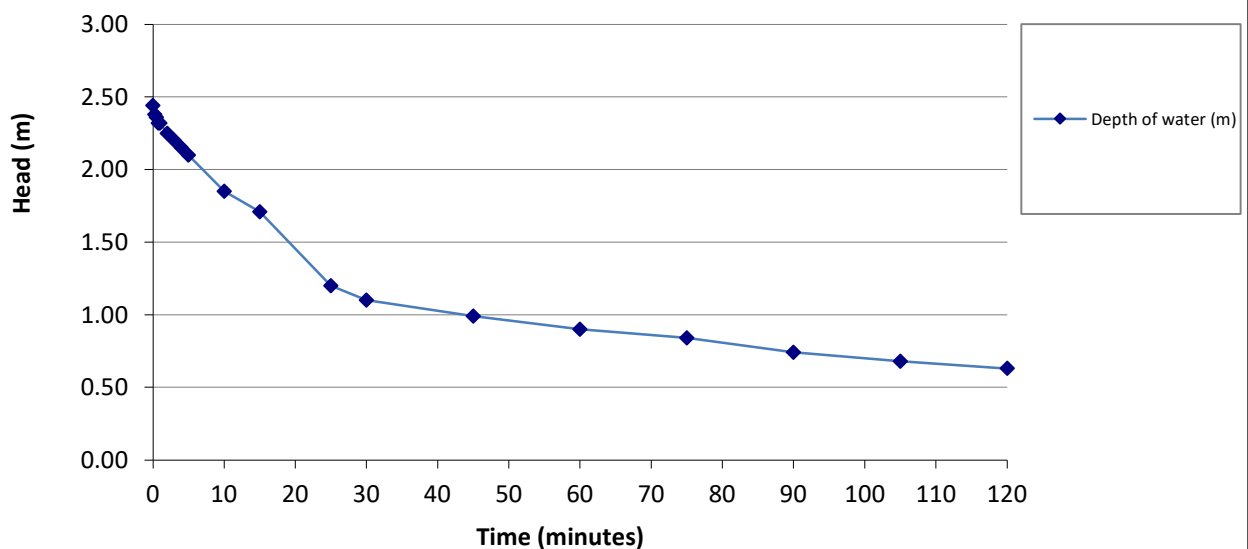
## Test Cell Dimensions (m)

|                   |      |
|-------------------|------|
| Groundwater Level | none |
| Diameter          | 0.05 |
| Depth             | 3.10 |

## Remarks:

1. Small-scale falling head test performed
2. Test undertaken 25/11/2024

Fall of water over time



|                               |                       |
|-------------------------------|-----------------------|
| Soil Permeability (m/sec) $k$ | $1.10 \times 10^{-7}$ |
|-------------------------------|-----------------------|

**APPENDIX 3**

**LABORATORY TEST RESULTS**

# INDEX PROPERTIES AND WATER CONTENTS

BS 1377 : Part 2 and BS EN ISO 17892: Part 1 and Part 12: 5.3 and 6.1

|            |             |          |                        |              |
|------------|-------------|----------|------------------------|--------------|
| Report Ref | 24/13027/GO | Contract | Rose Avenue, Gravesend | Sheet 1 of 1 |
|------------|-------------|----------|------------------------|--------------|

| BH/TP No. | Sample     |                                                                   | Water Content<br>W % | Liquid Limit<br>W <sub>L</sub> % | Plastic Limit<br>W <sub>p</sub> % | Plasticity Index<br>IP % | Passing<br>425 µm<br>Sieve % | Modified Plasticity Index<br>IP <sub>c</sub> % | Atterberg Classification | NHBC Classification<br>VCP | Sample Preparation | Remarks |
|-----------|------------|-------------------------------------------------------------------|----------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|------------------------------------------------|--------------------------|----------------------------|--------------------|---------|
|           | Depth<br>m | Description                                                       |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
| C         | 1.00       | Orangish brown clayey SAND with rare gravel                       | 15.9                 | 25                               | 19                                | 6                        | 95                           | 6                                              | ML/CL                    | Non-shrinkable             | S                  |         |
| E         | 1.00       | Brown gravelly clayey SAND with pockets of comminuted white chalk | 12.3                 | 29                               | 18                                | 11                       | 71                           | 8                                              | CL                       | Non-shrinkable             | S                  |         |
| 2         | 1.50       | Cream slightly gravelly slightly sandy SILT                       | 14.0                 | 22                               | 15                                | 7                        | 81                           | 6                                              | CL                       | Non-shrinkable             | S                  |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |
|           |            |                                                                   |                      |                                  |                                   |                          |                              |                                                |                          |                            |                    |         |

Liquid Limit determined by one-point fall cone method using 80g 30° cone and correction factors after Clayton and Jukes (1978) unless otherwise stated above

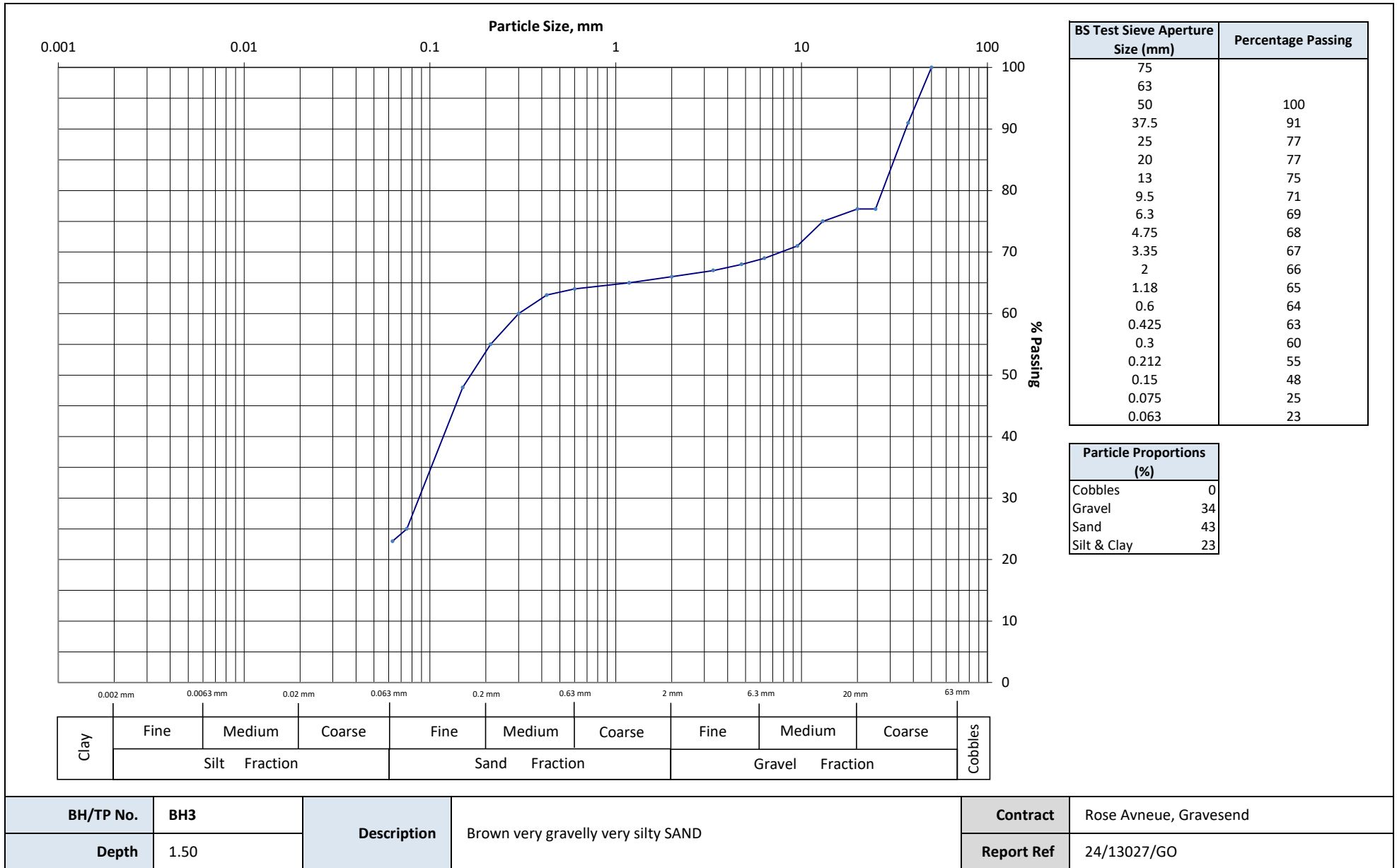
**KEY:**    Soil Type:    **C** - Clay    **M** - Silt    **O** - Organic    **NP** - Non Plastic  
                  Plasticity:    **L** - Low    **I** - Intermediate    **H** - High    **V** - Very High    **E** - Extremely High  
                  Sample Preparation:    **A** - As Received    **H** - Particles >425µm removed by hand picking    **S** - Particles >425µm removed by washing and wet sieving with oven drying





# PARTICLE SIZE DISTRIBUTION

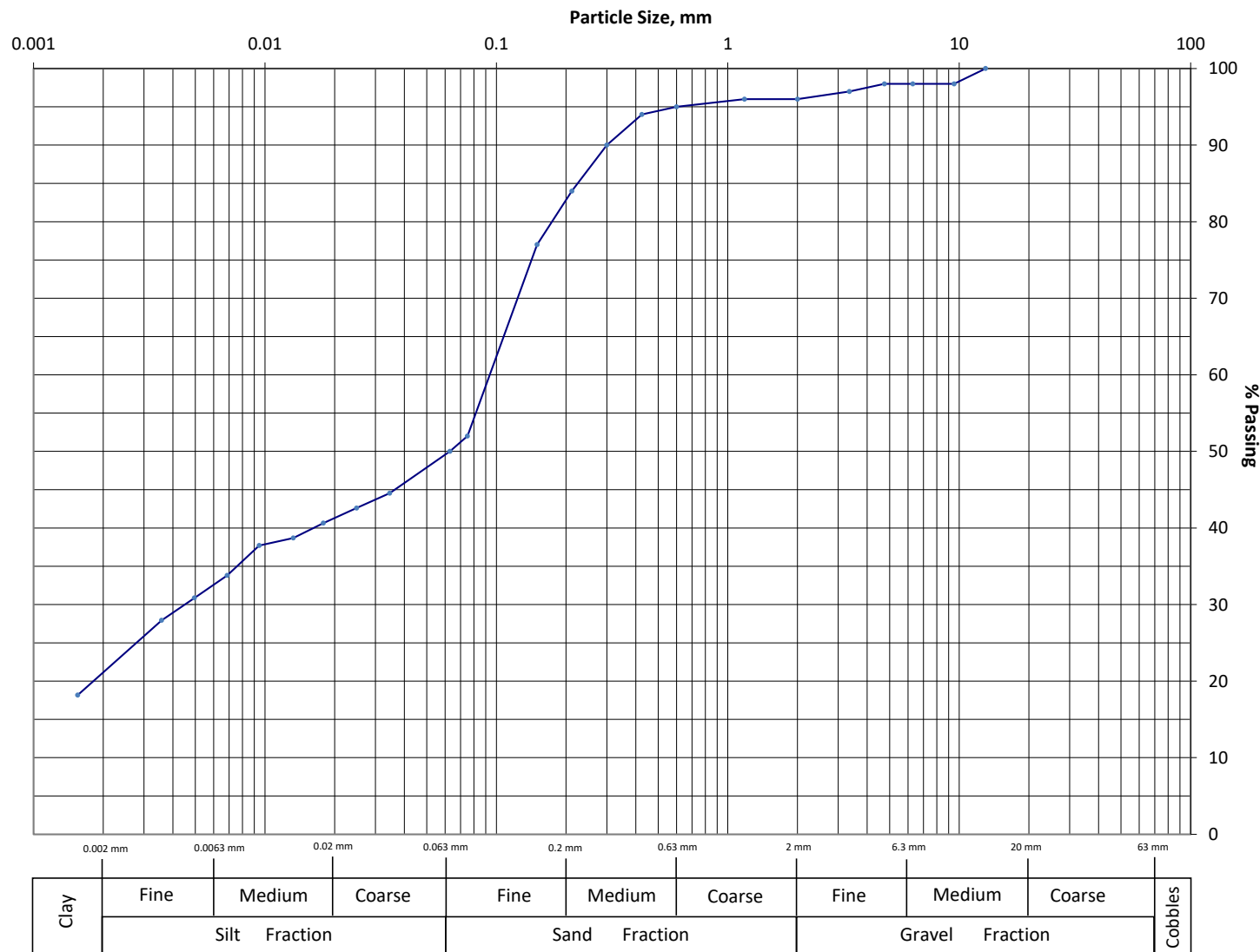
BS EN ISO 17892 : Part 4 : Clause 5.2 Wet Sieving Method



ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH

# PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892 : Part 4 : Clause 5.2 Wet Sieving & Clause 5.3 Sedimentation by Hydrometer



| Sieve Aperture/<br>Particle Size (mm) | Percentage Passing |
|---------------------------------------|--------------------|
| 75                                    |                    |
| 63                                    |                    |
| 50                                    |                    |
| 37.5                                  |                    |
| 25                                    |                    |
| 20                                    |                    |
| 13                                    | 100                |
| 9.5                                   | 98                 |
| 6.3                                   | 98                 |
| 4.75                                  | 98                 |
| 3.35                                  | 97                 |
| 2                                     | 96                 |
| 1.18                                  | 96                 |
| 0.6                                   | 95                 |
| 0.425                                 | 94                 |
| 0.3                                   | 90                 |
| 0.212                                 | 84                 |
| 0.15                                  | 77                 |
| 0.075                                 | 52                 |
| 0.063                                 | 50                 |
| 0.035                                 | 45                 |
| 0.025                                 | 43                 |
| 0.018                                 | 41                 |
| 0.013                                 | 39                 |
| 0.009                                 | 38                 |
| 0.0069                                | 34                 |
| 0.0050                                | 31                 |
| 0.0036                                | 28                 |
| 0.0016                                | 18                 |

| Sample Proportions (%) |    |
|------------------------|----|
| Cobbles                | 0  |
| Gravel                 | 4  |
| Sand                   | 46 |
| Silt & Clay            | 50 |

| Notes                                                           |
|-----------------------------------------------------------------|
| Particle Density 2.65 Mg/m <sup>3</sup> assumed                 |
| Sample subjected to H <sub>2</sub> O <sub>2</sub> pre-treatment |

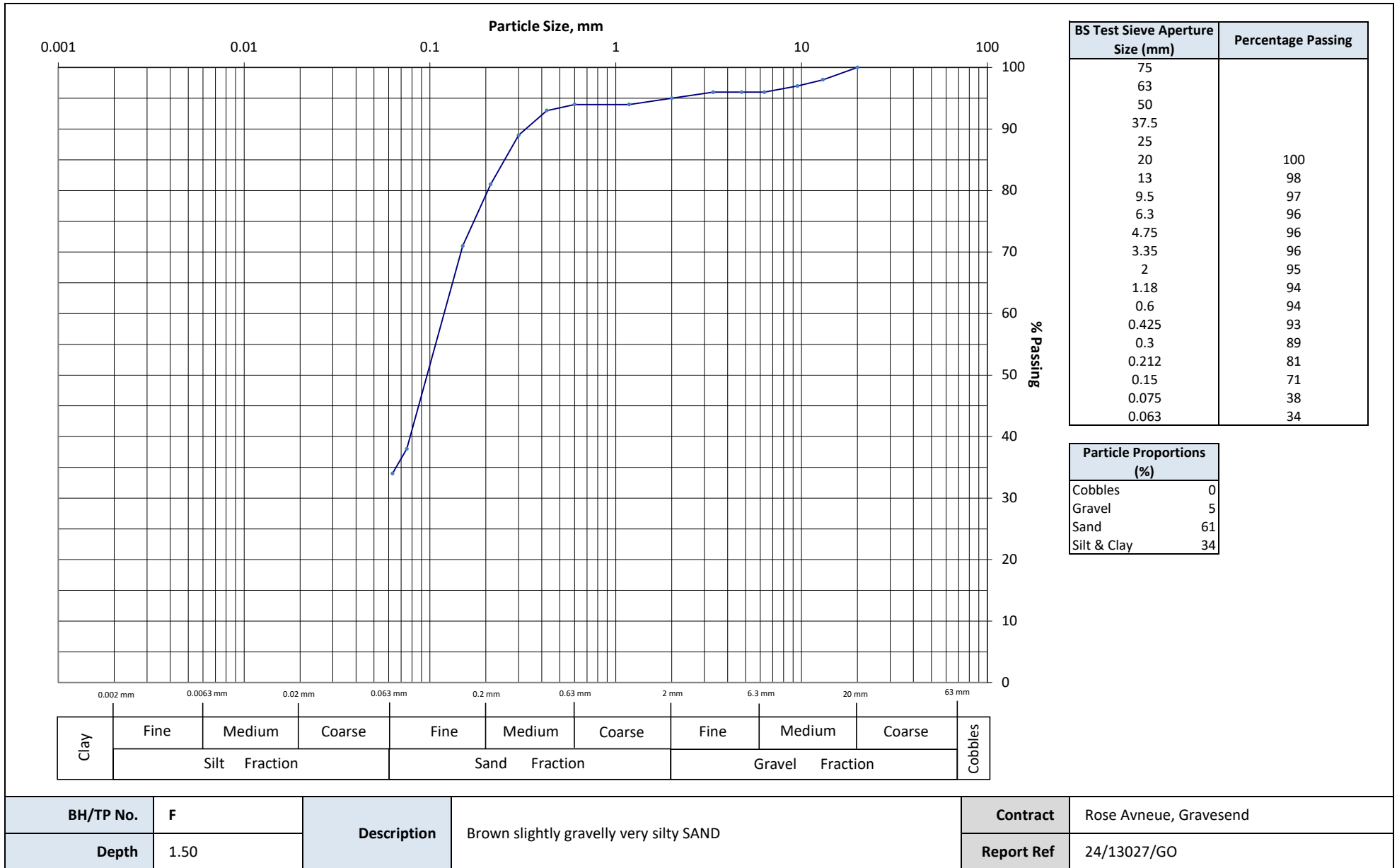
|           |      |             |                                               |            |                        |
|-----------|------|-------------|-----------------------------------------------|------------|------------------------|
| BH/TP No. | A    | Description | Light brown slightly gravelly very silty SAND | Contract   | Rose Avenue, Gravesend |
| Depth     | 1.00 |             |                                               | Report Ref | 24/13027/GO            |



ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH

# PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892 : Part 4 : Clause 5.2 Wet Sieving Method



**ALBURY S.I. LTD** Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH





Albury SI Ltd  
Miltons Yard  
Petworth Road  
Witley  
Surrey  
GU8 5LH

i2 Analytical Ltd.  
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## **Analytical Report Number : 24-055951**

|                             |                        |                                                        |            |
|-----------------------------|------------------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | Rose Avenue, Gravesend | <b>Samples received on:</b>                            | 26/11/2024 |
| <b>Your job number:</b>     | 24 13027 GO            | <b>Samples instructed on/<br/>Analysis started on:</b> | 26/11/2024 |
| <b>Your order number:</b>   | 15437                  | <b>Analysis completed by:</b>                          | 05/12/2024 |
| <b>Report Issue Number:</b> | 1                      | <b>Report issued on:</b>                               | 05/12/2024 |
| <b>Samples Analysed:</b>    | 6 soil samples         |                                                        |            |

**Signed:** \_\_\_\_\_

Anna Goc  
PL Head of Reporting Team  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

|           |                           |
|-----------|---------------------------|
| soils     | - 4 weeks from reporting  |
| leachates | - 2 weeks from reporting  |
| waters    | - 2 weeks from reporting  |
| asbestos  | - 6 months from reporting |

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.

**Analytical Report Number: 24-055951**  
**Project / Site name: Rose Avenue, Gravesend**  
**Your Order No: 15437**

| Lab Sample Number                       |  |  |  | 390988        | 390989                     | 390990                       | 390991        | 390992        |
|-----------------------------------------|--|--|--|---------------|----------------------------|------------------------------|---------------|---------------|
| Sample Reference                        |  |  |  | A             | B                          | C                            | D             | E             |
| Sample Number                           |  |  |  | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Water Matrix                            |  |  |  | N/A           | N/A                        | N/A                          | N/A           | N/A           |
| Depth (m)                               |  |  |  | 0.10          | 0.10                       | 0.10                         | 0.10          | 0.10          |
| Date Sampled                            |  |  |  | 25/11/2024    | 25/11/2024                 | 25/11/2024                   | 25/11/2024    | 25/11/2024    |
| Time Taken                              |  |  |  | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) |  |  |  | Units         | Test Limit of<br>detection | Test Accreditation<br>Status |               |               |

|                               |    |      |      |       |       |       |       |       |
|-------------------------------|----|------|------|-------|-------|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 17    | 17    | 19    | 19    | 18    |
| Total mass of sample received | kg | 0.1  | NONE | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |

#### Asbestos

|                                        |      |     |           |              |              |              |              |              |
|----------------------------------------|------|-----|-----------|--------------|--------------|--------------|--------------|--------------|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | MJN          | MJN          | MJN          | MJN          | MJN          |

#### General Inorganics

|                                                                         |          |      |        |       |       |       |       |       |
|-------------------------------------------------------------------------|----------|------|--------|-------|-------|-------|-------|-------|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 7.4   | 7.2   | 7.2   | 7.3   | 7.4   |
| Total Cyanide                                                           | mg/kg    | 1    | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Thiocyanate as SCN                                                      | mg/kg    | 5    | NONE   | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Total Sulphate as SO <sub>4</sub>                                       | mg/kg    | 50   | MCERTS | 1300  | 1600  | 1100  | 1400  | 1700  |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | 360   | 520   | 220   | 350   | 320   |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25 | MCERTS | 182   | 261   | 109   | 177   | 160   |
| Sulphide                                                                | mg/kg    | 1    | MCERTS | < 1.0 | < 1.0 | 1.1   | 1.9   | 1.7   |
| Elemental Sulphur                                                       | mg/kg    | 5    | MCERTS | < 5.0 | 5.7   | 6     | < 5.0 | < 5.0 |
| Total Organic Carbon (TOC) - Automated                                  | %        | 0.1  | MCERTS | 2.5   | 2.7   | 2.5   | 2.4   | 2.2   |

#### Total Phenols

|                            |       |   |        |       |       |       |       |       |
|----------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
|----------------------------|-------|---|--------|-------|-------|-------|-------|-------|

#### Speciated PAHs

|                        |       |      |           |        |        |      |      |        |
|------------------------|-------|------|-----------|--------|--------|------|------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | 0.08   | 0.17   | 0.11 | 0.09 | 0.07   |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | < 0.05 | 0.12   | 0.11 | 0.11 | 0.07   |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | 0.14 | 0.08 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | < 0.05 | 0.07   | 0.11 | 0.11 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | 0.65   | 1.6    | 1.8  | 1.9  | 0.57   |
| Anthracene             | mg/kg | 0.05 | MCERTS    | 0.1    | 0.1    | 0.35 | 0.23 | 0.09   |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | 1.8    | 2.4    | 2.9  | 3.7  | 1.8    |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | 1.6    | 2.1    | 2.5  | 3.1  | 1.6    |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | 0.81   | 0.8    | 1.3  | 1.6  | 0.89   |
| Chrysene               | mg/kg | 0.05 | MCERTS    | 1      | 1.1    | 1.4  | 1.8  | 1      |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | 1.2    | 1.2    | 1.8  | 2    | 1.2    |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | 0.82   | 0.71   | 0.75 | 0.89 | 0.58   |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | 1      | 1.2    | 1.6  | 1.7  | 1.1    |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | 0.5    | 0.61   | 0.76 | 0.85 | 0.59   |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | 0.09   | 0.09   | 0.13 | 0.16 | 0.09   |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | 0.68   | 0.71   | 0.9  | 1    | 0.67   |

#### Total PAH

|                             |       |     |           |      |    |      |      |      |
|-----------------------------|-------|-----|-----------|------|----|------|------|------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 10.3 | 13 | 16.8 | 19.1 | 10.4 |
|-----------------------------|-------|-----|-----------|------|----|------|------|------|



Analytical Report Number: 24-055951  
Project / Site name: Rose Avenue, Gravesend  
Your Order No: 15437

| Lab Sample Number                       |       |                            |                              | 390988        | 390989        | 390990        | 390991        | 390992        |
|-----------------------------------------|-------|----------------------------|------------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference                        |       |                            |                              | A             | B             | C             | D             | E             |
| Sample Number                           |       |                            |                              | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Water Matrix                            |       |                            |                              | N/A           | N/A           | N/A           | N/A           | N/A           |
| Depth (m)                               |       |                            |                              | 0.10          | 0.10          | 0.10          | 0.10          | 0.10          |
| Date Sampled                            |       |                            |                              | 25/11/2024    | 25/11/2024    | 25/11/2024    | 25/11/2024    | 25/11/2024    |
| Time Taken                              |       |                            |                              | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Test Limit of<br>detection | Test Accreditation<br>Status |               |               |               |               |               |
|                                         |       |                            |                              |               |               |               |               |               |

#### Heavy Metals / Metalloids

|                                    |       |      |        |       |       |       |       |       |
|------------------------------------|-------|------|--------|-------|-------|-------|-------|-------|
| Arsenic (aqua regia extractable)   | mg/kg | 1    | MCERTS | 12    | 13    | 13    | 15    | 15    |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 1     | 0.95  | 1.4   | 1.9   | 1.2   |
| Boron (water soluble)              | mg/kg | 0.2  | MCERTS | 3.8   | 3.8   | 2.6   | 3     | 2.7   |
| Cadmium (aqua regia extractable)   | mg/kg | 0.2  | MCERTS | 0.6   | 0.8   | 0.7   | 0.9   | 0.9   |
| Chromium (hexavalent) Low Level    | mg/kg | 1.2  | NONE   | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 |
| Chromium (III)                     | mg/kg | 1    | NONE   | 31    | 21    | 28    | 34    | 38    |
| Chromium (aqua regia extractable)  | mg/kg | 1    | MCERTS | 32    | 22    | 29    | 35    | 39    |
| Copper (aqua regia extractable)    | mg/kg | 1    | MCERTS | 49    | 51    | 68    | 53    | 95    |
| Lead (aqua regia extractable)      | mg/kg | 1    | MCERTS | 150   | 100   | 260   | 210   | 190   |
| Manganese (aqua regia extractable) | mg/kg | 1    | MCERTS | 440   | 480   | 400   | 430   | 430   |
| Mercury (aqua regia extractable)   | mg/kg | 0.3  | MCERTS | 1.3   | 0.3   | 1     | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable)    | mg/kg | 1    | MCERTS | 24    | 26    | 27    | 33    | 29    |
| Selenium (aqua regia extractable)  | mg/kg | 1    | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable)  | mg/kg | 1    | MCERTS | 46    | 58    | 50    | 59    | 51    |
| Zinc (aqua regia extractable)      | mg/kg | 1    | MCERTS | 190   | 410   | 220   | 410   | 790   |

#### Petroleum Hydrocarbons

|                                                          |       |      |        |         |         |         |         |         |
|----------------------------------------------------------|-------|------|--------|---------|---------|---------|---------|---------|
| TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_1D_AL</sub>   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_1D_AL</sub>   | mg/kg | 2    | MCERTS | < 2.0   | < 2.0   | < 2.0   | < 2.0   | < 2.0   |
| TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | < 8.0   | < 8.0   | < 8.0   | < 8.0   |
| TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | < 8.0   | < 8.0   | < 8.0   | < 8.0   |
| TPHCWG - Aliphatic >EC21 - EC40 <sub>EH_CU_1D_AL</sub>   | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | < 10    | < 10    |
| TPHCWG - Aliphatic >EC35 - EC44 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8.4  | NONE   | < 8.4   | < 8.4   | < 8.4   | < 8.4   | < 8.4   |
| TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | < 10    | < 10    |
| TPHCWG - Aliphatic >EC5 - EC44 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | < 10    | < 10    |

|                                                         |       |      |        |         |         |         |         |         |
|---------------------------------------------------------|-------|------|--------|---------|---------|---------|---------|---------|
| TPHCWG - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | mg/kg | 0.02 | MCERTS | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_1D_AR</sub>   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_1D_AR</sub>   | mg/kg | 2    | MCERTS | < 2.0   | < 2.0   | < 2.0   | < 2.0   | < 2.0   |
| TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | < 10    | < 10    | < 10    | < 10    |
| TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | < 10    | < 10    | < 10    | 10      |
| TPHCWG - Aromatic >EC21 - EC40 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | < 10    | 10      |
| TPHCWG - Aromatic >EC35 - EC44 <sub>EH_CU_1D_AR</sub>   | mg/kg | 8.4  | NONE   | < 8.4   | < 8.4   | < 8.4   | < 8.4   | < 8.4   |
| TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | < 10    | 10      |
| TPHCWG - Aromatic >EC5 - EC44 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | < 10    | 10      |

|                                                    |       |    |      |      |      |      |      |    |
|----------------------------------------------------|-------|----|------|------|------|------|------|----|
| TPH Total >EC6 - EC40 <sub>EH_CU+HS_1D_TOTAL</sub> | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | 15 |
|----------------------------------------------------|-------|----|------|------|------|------|------|----|

|                                                              |       |    |           |       |       |       |       |       |
|--------------------------------------------------------------|-------|----|-----------|-------|-------|-------|-------|-------|
| Petroleum Range Organics (EC6 - EC10) <sub>HS_1D_TOTAL</sub> | mg/kg | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH (EC10 - EC40) <sub>EH_CU_1D_TOTAL</sub>                  | mg/kg | 10 | MCERTS    | < 10  | < 10  | < 10  | < 10  | 15    |

Analytical Report Number: 24-055951  
 Project / Site name: Rose Avenue, Gravesend  
 Your Order No: 15437

| Lab Sample Number                       |  |  |  | 390988        | 390989                     | 390990                       | 390991        | 390992        |
|-----------------------------------------|--|--|--|---------------|----------------------------|------------------------------|---------------|---------------|
| Sample Reference                        |  |  |  | A             | B                          | C                            | D             | E             |
| Sample Number                           |  |  |  | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Water Matrix                            |  |  |  | N/A           | N/A                        | N/A                          | N/A           | N/A           |
| Depth (m)                               |  |  |  | 0.10          | 0.10                       | 0.10                         | 0.10          | 0.10          |
| Date Sampled                            |  |  |  | 25/11/2024    | 25/11/2024                 | 25/11/2024                   | 25/11/2024    | 25/11/2024    |
| Time Taken                              |  |  |  | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) |  |  |  | Units         | Test Limit of<br>detection | Test Accreditation<br>Status |               |               |

#### VOCs

|                                    |       |   |        |       |       |       |       |       |
|------------------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Benzene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Toluene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Ethylbenzene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| p & m-Xylene                       | µg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 |
| o-Xylene                           | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



**Analytical Report Number: 24-055951**  
**Project / Site name: Rose Avenue, Gravesend**  
**Your Order No: 15437**

|                                                 |              |                                    |                                      |               |
|-------------------------------------------------|--------------|------------------------------------|--------------------------------------|---------------|
| <b>Lab Sample Number</b>                        |              |                                    |                                      | 390993        |
| <b>Sample Reference</b>                         |              |                                    |                                      | F             |
| <b>Sample Number</b>                            |              |                                    |                                      | None Supplied |
| <b>Water Matrix</b>                             |              |                                    |                                      | N/A           |
| <b>Depth (m)</b>                                |              |                                    |                                      | 0.10          |
| <b>Date Sampled</b>                             |              |                                    |                                      | 25/11/2024    |
| <b>Time Taken</b>                               |              |                                    |                                      | None Supplied |
| <b>Analytical Parameter<br/>(Soil Analysis)</b> | <b>Units</b> | <b>Test Limit of<br/>detection</b> | <b>Test Accreditation<br/>Status</b> |               |

|                               |    |      |      |       |
|-------------------------------|----|------|------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 23    |
| Total mass of sample received | kg | 0.1  | NONE | 0.2   |

#### Asbestos

|                                        |      |     |           |              |
|----------------------------------------|------|-----|-----------|--------------|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | MJN          |

#### General Inorganics

|                                                                         |          |      |        |       |
|-------------------------------------------------------------------------|----------|------|--------|-------|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 7.3   |
| Total Cyanide                                                           | mg/kg    | 1    | MCERTS | < 1.0 |
| Thiocyanate as SCN                                                      | mg/kg    | 5    | NONE   | < 5.0 |
| Total Sulphate as SO <sub>4</sub>                                       | mg/kg    | 50   | MCERTS | 1700  |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | 540   |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25 | MCERTS | 272   |
| Sulphide                                                                | mg/kg    | 1    | MCERTS | 1.3   |
| Elemental Sulphur                                                       | mg/kg    | 5    | MCERTS | < 5.0 |
| Total Organic Carbon (TOC) - Automated                                  | %        | 0.1  | MCERTS | 3.4   |

#### Total Phenols

|                            |       |   |        |       |
|----------------------------|-------|---|--------|-------|
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | < 1.0 |
|----------------------------|-------|---|--------|-------|

#### Speciated PAHs

|                        |       |      |           |        |
|------------------------|-------|------|-----------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | 0.1    |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | 0.06   |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | 0.59   |
| Anthracene             | mg/kg | 0.05 | MCERTS    | 0.14   |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | 1.8    |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | 1.6    |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | 0.87   |
| Chrysene               | mg/kg | 0.05 | MCERTS    | 0.87   |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | 1.3    |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | 0.53   |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | 1      |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | 0.55   |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | 0.11   |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | 0.59   |

#### Total PAH

|                             |       |     |           |      |
|-----------------------------|-------|-----|-----------|------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 10.1 |
|-----------------------------|-------|-----|-----------|------|

**Analytical Report Number: 24-055951**  
**Project / Site name: Rose Avenue, Gravesend**  
**Your Order No: 15437**

|                                                 |              |                                    |                                      |               |
|-------------------------------------------------|--------------|------------------------------------|--------------------------------------|---------------|
| <b>Lab Sample Number</b>                        |              |                                    |                                      | 390993        |
| <b>Sample Reference</b>                         |              |                                    |                                      | F             |
| <b>Sample Number</b>                            |              |                                    |                                      | None Supplied |
| <b>Water Matrix</b>                             |              |                                    |                                      | N/A           |
| <b>Depth (m)</b>                                |              |                                    |                                      | 0.10          |
| <b>Date Sampled</b>                             |              |                                    |                                      | 25/11/2024    |
| <b>Time Taken</b>                               |              |                                    |                                      | None Supplied |
| <b>Analytical Parameter<br/>(Soil Analysis)</b> | <b>Units</b> | <b>Test Limit of<br/>detection</b> | <b>Test Accreditation<br/>Status</b> |               |

#### Heavy Metals / Metalloids

|                                    |       |      |        |       |
|------------------------------------|-------|------|--------|-------|
| Arsenic (aqua regia extractable)   | mg/kg | 1    | MCERTS | 13    |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 1.2   |
| Boron (water soluble)              | mg/kg | 0.2  | MCERTS | 3     |
| Cadmium (aqua regia extractable)   | mg/kg | 0.2  | MCERTS | 0.8   |
| Chromium (hexavalent) Low Level    | mg/kg | 1.2  | NONE   | < 1.2 |
| Chromium (III)                     | mg/kg | 1    | NONE   | 30    |
| Chromium (aqua regia extractable)  | mg/kg | 1    | MCERTS | 31    |
| Copper (aqua regia extractable)    | mg/kg | 1    | MCERTS | 61    |
| Lead (aqua regia extractable)      | mg/kg | 1    | MCERTS | 150   |
| Manganese (aqua regia extractable) | mg/kg | 1    | MCERTS | 440   |
| Mercury (aqua regia extractable)   | mg/kg | 0.3  | MCERTS | < 0.3 |
| Nickel (aqua regia extractable)    | mg/kg | 1    | MCERTS | 28    |
| Selenium (aqua regia extractable)  | mg/kg | 1    | MCERTS | < 1.0 |
| Vanadium (aqua regia extractable)  | mg/kg | 1    | MCERTS | 48    |
| Zinc (aqua regia extractable)      | mg/kg | 1    | MCERTS | 300   |

#### Petroleum Hydrocarbons

|                                                          |       |      |        |         |
|----------------------------------------------------------|-------|------|--------|---------|
| TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 |
| TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 |
| TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | mg/kg | 0.01 | MCERTS | < 0.010 |
| TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_1D_AL</sub>   | mg/kg | 1    | MCERTS | < 1.0   |
| TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_1D_AL</sub>   | mg/kg | 2    | MCERTS | < 2.0   |
| TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   |
| TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   |
| TPHCWG - Aliphatic >EC21 - EC40 <sub>EH_CU_1D_AL</sub>   | mg/kg | 10   | NONE   | < 10    |
| TPHCWG - Aliphatic >EC35 - EC44 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8.4  | NONE   | < 8.4   |
| TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | < 10    |
| TPHCWG - Aliphatic >EC5 - EC44 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | < 10    |

|                                                         |       |      |        |         |
|---------------------------------------------------------|-------|------|--------|---------|
| TPHCWG - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | mg/kg | 0.02 | MCERTS | < 0.020 |
| TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_1D_AR</sub>   | mg/kg | 1    | MCERTS | < 1.0   |
| TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_1D_AR</sub>   | mg/kg | 2    | MCERTS | < 2.0   |
| TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    |
| TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    |
| TPHCWG - Aromatic >EC21 - EC40 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | NONE   | < 10    |
| TPHCWG - Aromatic >EC35 - EC44 <sub>EH_CU_1D_AR</sub>   | mg/kg | 8.4  | NONE   | < 8.4   |
| TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | < 10    |
| TPHCWG - Aromatic >EC5 - EC44 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | < 10    |

|                                                    |       |    |      |    |
|----------------------------------------------------|-------|----|------|----|
| TPH Total >EC6 - EC40 <sub>EH_CU+HS_1D_TOTAL</sub> | mg/kg | 10 | NONE | 12 |
|----------------------------------------------------|-------|----|------|----|

|                                                              |       |    |           |       |
|--------------------------------------------------------------|-------|----|-----------|-------|
| Petroleum Range Organics (EC6 - EC10) <sub>HS_1D_TOTAL</sub> | mg/kg | 1  | ISO 17025 | < 1.0 |
| TPH (EC10 - EC40) <sub>EH_CU_1D_TOTAL</sub>                  | mg/kg | 10 | MCERTS    | 12    |

Analytical Report Number: 24-055951  
 Project / Site name: Rose Avenue, Gravesend  
 Your Order No: 15437

|                                         |       |                            |                              |               |
|-----------------------------------------|-------|----------------------------|------------------------------|---------------|
| Lab Sample Number                       |       |                            |                              | 390993        |
| Sample Reference                        |       |                            |                              | F             |
| Sample Number                           |       |                            |                              | None Supplied |
| Water Matrix                            |       |                            |                              | N/A           |
| Depth (m)                               |       |                            |                              | 0.10          |
| Date Sampled                            |       |                            |                              | 25/11/2024    |
| Time Taken                              |       |                            |                              | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Test Limit of<br>detection | Test Accreditation<br>Status |               |

#### VOCs

|                                    |       |   |        |       |
|------------------------------------|-------|---|--------|-------|
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | MCERTS | < 5.0 |
| Benzene                            | µg/kg | 5 | MCERTS | < 5.0 |
| Toluene                            | µg/kg | 5 | MCERTS | < 5.0 |
| Ethylbenzene                       | µg/kg | 5 | MCERTS | < 5.0 |
| p & m-Xylene                       | µg/kg | 8 | MCERTS | < 8.0 |
| o-Xylene                           | µg/kg | 5 | MCERTS | < 5.0 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

**Analytical Report Number : 24-055951**

**Project / Site name: Rose Avenue, Gravesend**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

| Lab Sample Number | Sample Reference | Sample Number | Depth (m) | Sample Description *                           |
|-------------------|------------------|---------------|-----------|------------------------------------------------|
| 390988            | A                | None Supplied | 0.1       | Brown loam and clay with gravel and vegetation |
| 390989            | B                | None Supplied | 0.1       | Brown loam and clay with gravel and vegetation |
| 390990            | C                | None Supplied | 0.1       | Brown loam and clay with gravel and vegetation |
| 390991            | D                | None Supplied | 0.1       | Brown loam and clay with gravel and vegetation |
| 390992            | E                | None Supplied | 0.1       | Brown loam and clay with gravel and vegetation |
| 390993            | F                | None Supplied | 0.1       | Brown loam and clay with gravel and vegetation |



**Analytical Report Number : 24-055951**

**Project / Site name: Rose Avenue, Gravesend**

**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)**

**Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name                                                        | Analytical Method Description                                                                                                                                         | Analytical Method Reference                                                                         | Method number | Wet / Dry Analysis | Accreditation Status |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Asbestos identification in Soil                                             | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques                                                 | In-house method based on HSG 248, 2021                                                              | A001B         | D                  | ISO 17025            |
| Total organic carbon (Automated) in soil                                    | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)                   | In-house method                                                                                     | L009B         | D                  | MCERTS               |
| Sulphide in soil                                                            | Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode | In-house method                                                                                     | L010-PL       | D                  | MCERTS               |
| Moisture Content                                                            | Moisture content, determined gravimetrically (up to 30°C)                                                                                                             | In-house method                                                                                     | L019B         | W                  | NONE                 |
| Stones content of soil                                                      | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight                                            | In-house method based on British Standard Methods and MCERTS requirements.                          | L019B         | D                  | NONE                 |
| Elemental sulphur in soil                                                   | Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC                                                                             | In-house method based on Secondsite Property Holdings Guidance for Assessing and Managing Potential | L021B         | D                  | MCERTS               |
| Metals in soil by ICP-OES                                                   | Determination of metals in soil by aqua-regia digestion followed by ICP-OES                                                                                           | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil                 | L038B         | D                  | MCERTS               |
| Boron, water soluble, in soil                                               | Determination of water soluble boron in soil by hot water extract followed by ICP-OES                                                                                 | In-house method based on Second Site Properties version 3                                           | L038B         | D                  | MCERTS               |
| Total sulphate (as SO <sub>4</sub> in soil)                                 | Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES                                                                                | In-house method                                                                                     | L038B         | D                  | MCERTS               |
| Sulphate, water soluble, in soil (16hr extraction)                          | Sulphate, water soluble, in soil (16hr extraction)                                                                                                                    | In-house method                                                                                     | L038B         | D                  | MCERTS               |
| Speciated PAHs and/or Semi-volatile organic compounds in soil               | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS                                | In-house method based on USEPA 8270                                                                 | L064B         | D                  | MCERTS               |
| TPH Chromatogram in soil                                                    | TPH Chromatogram in soil                                                                                                                                              | In-house method                                                                                     | L064B         | D                  | NONE                 |
| BTEX and/or Volatile organic compounds in soil                              | Determination of volatile organic compounds in soil by headspace GC-MS                                                                                                | In-house method based on USEPA 8260                                                                 | L073B         | W                  | MCERTS               |
| Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic                                                   | In-house method                                                                                     | L076B/L088-PL | D/W                | MCERTS               |
| Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil                     | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS                                                                                              | In-house method                                                                                     | L076B/L088-PL | D/W                | MCERTS               |

**Analytical Report Number : 24-055951**

**Project / Site name: Rose Avenue, Gravesend**

**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)**

**Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name                    | Analytical Method Description                                                                                                                                                  | Analytical Method Reference                                                                            | Method number | Wet / Dry Analysis | Accreditation Status |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Chromium III in soil                    | In-house method by calculation from total Cr and Cr VI                                                                                                                         | In-house method by calculation                                                                         | L080-PL/L130B | W                  | NONE                 |
| Hexavalent chromium in soil (low level) | Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry                           | In-house method                                                                                        | L080-PL       | W                  | NONE                 |
| Monohydric phenols in soil              | Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry                                                          | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080-PL       | W                  | MCERTS               |
| Total cyanide in soil                   | Determination of total cyanide by distillation followed by colorimetry                                                                                                         | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080-PL       | W                  | MCERTS               |
| Thiocyanate in soil                     | Determination of thiocyanate in soil by extraction in water followed by acidification followed by addition of ferric nitrate followed by discrete analyser (spectrophotometer) | In-house method                                                                                        | L082B         | D                  | NONE                 |
| pH in soil (automated)                  | Determination of pH in soil by addition of water followed by automated electrometric measurement                                                                               | In-house method                                                                                        | L099-PL       | D                  | MCERTS               |

**For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).**

**For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).**

**For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.**

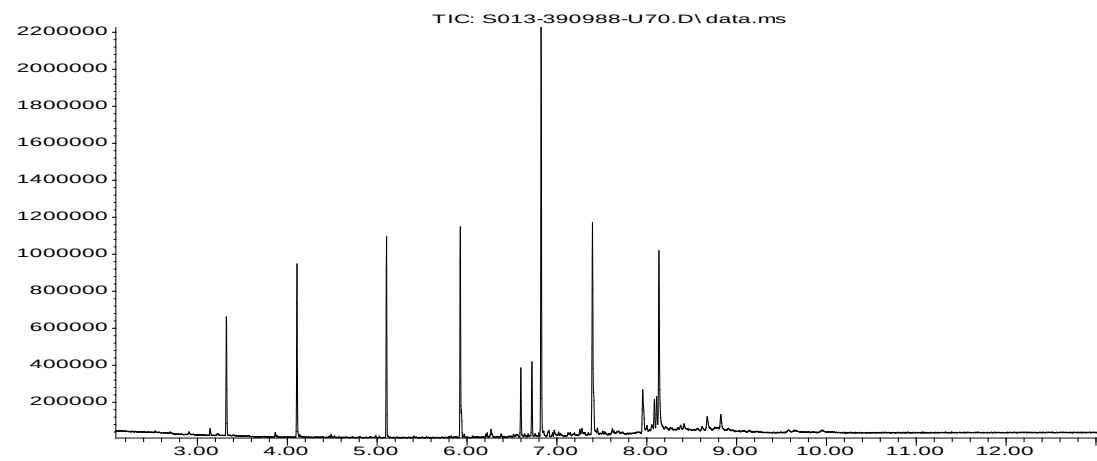
**Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.**

**Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.**

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

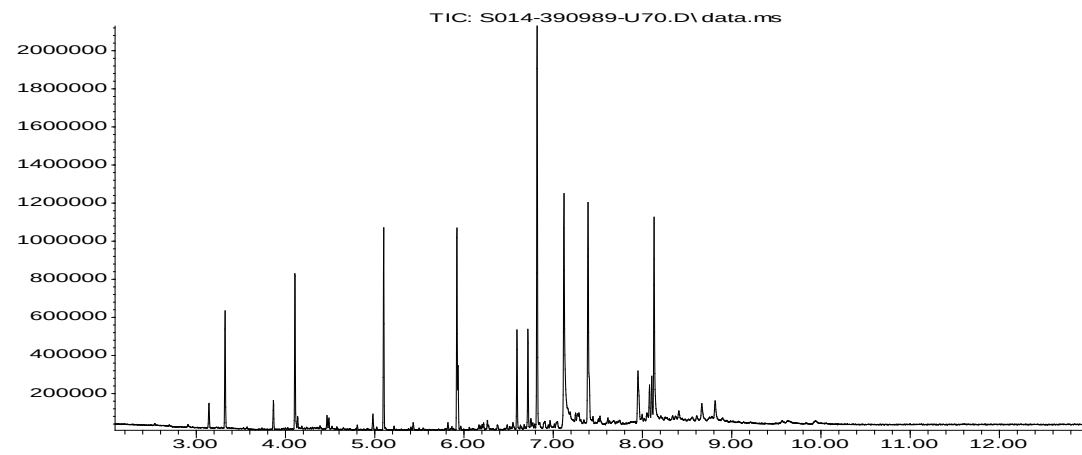
The result for sum should be interpreted with caution

Abundance



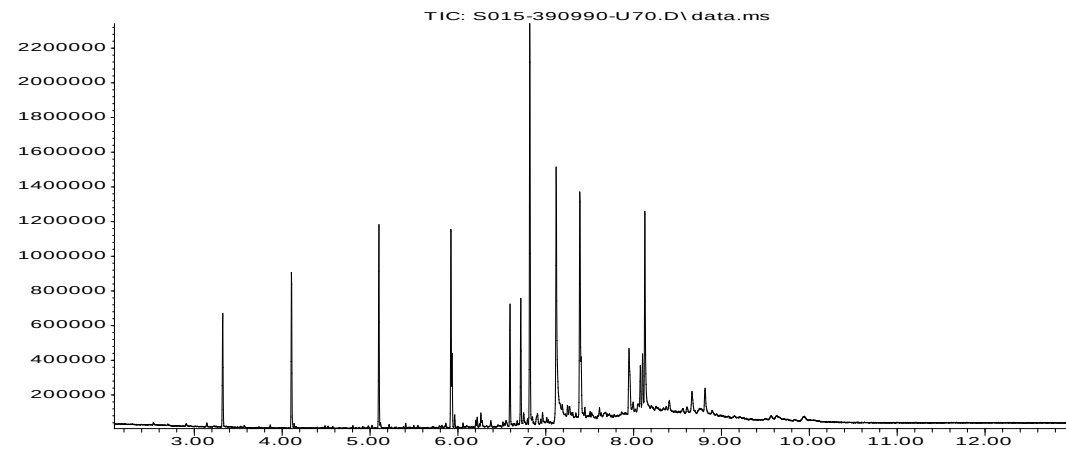
Time-->

Abundance



Time-->

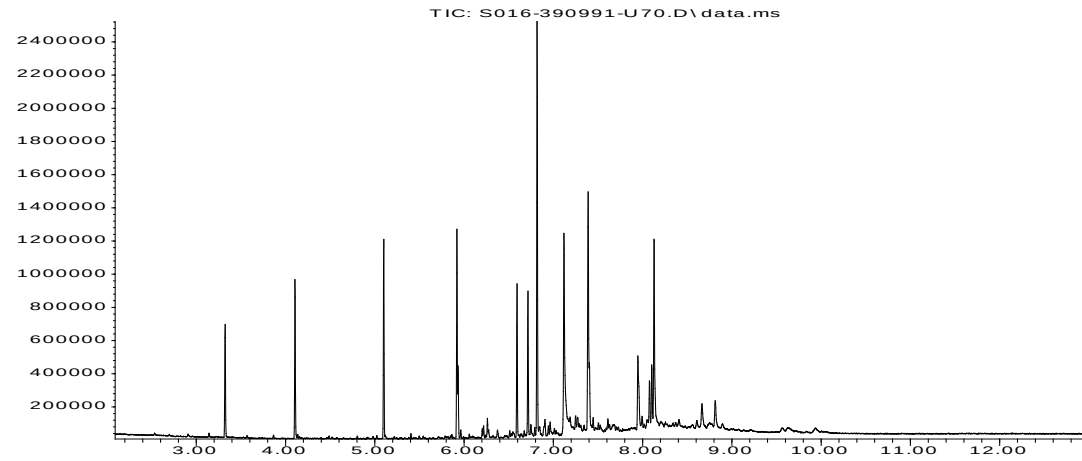
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Time-->

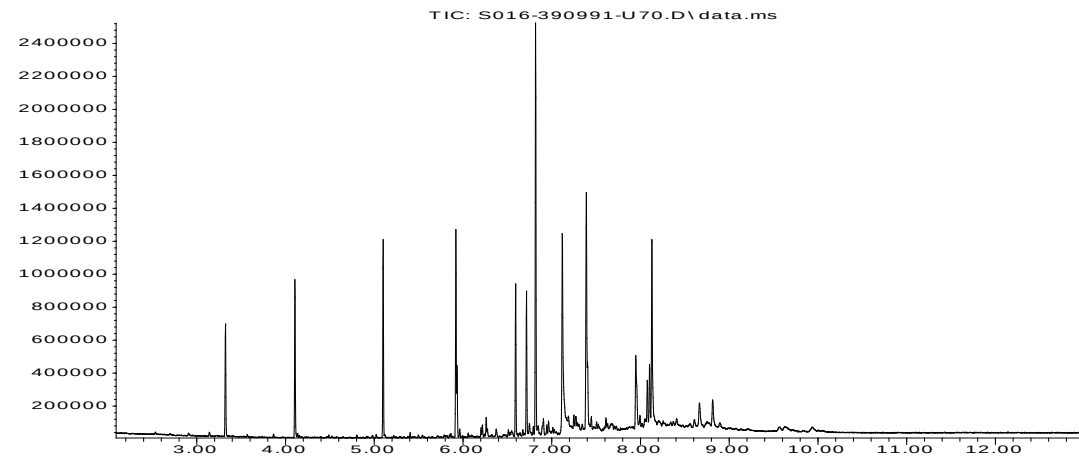


Abundance

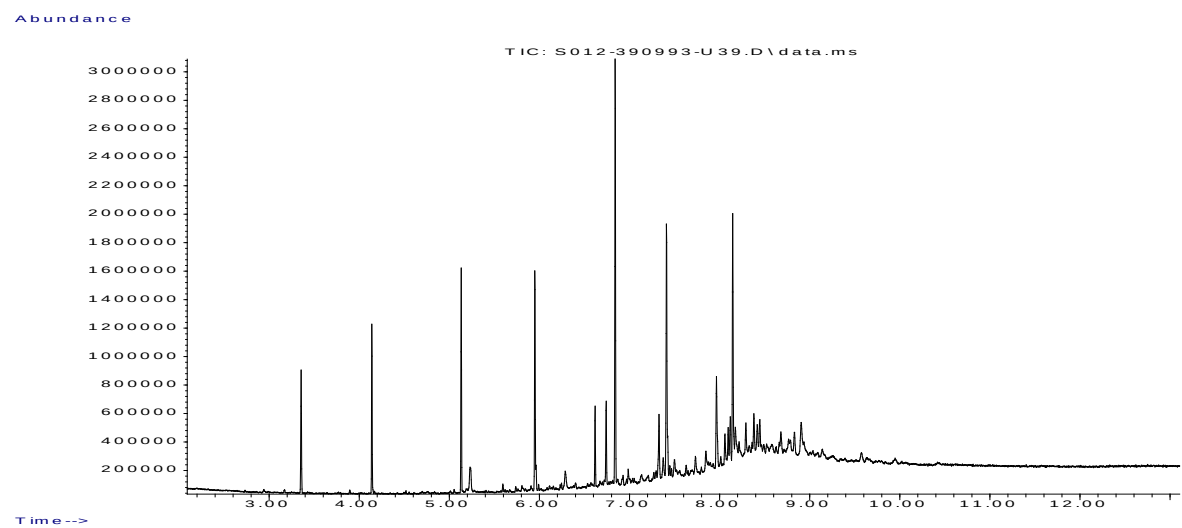


Time-->

Abundance



Time-->





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## **Analytical Report Number : 24-056410**

|                             |                        |                                                        |            |
|-----------------------------|------------------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | Rose Avenue, Gravesend | <b>Samples received on:</b>                            | 28/11/2024 |
| <b>Your job number:</b>     | 24 13027 GO            | <b>Samples instructed on/<br/>Analysis started on:</b> | 28/11/2024 |
| <b>Your order number:</b>   | 15441                  | <b>Analysis completed by:</b>                          | 04/12/2024 |
| <b>Report Issue Number:</b> | 1                      | <b>Report issued on:</b>                               | 05/12/2024 |
| <b>Samples Analysed:</b>    | 7 soil samples         |                                                        |            |

**Signed:** \_\_\_\_\_

Anna Goc  
PL Head of Reporting Team  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

|           |                           |
|-----------|---------------------------|
| soils     | - 4 weeks from reporting  |
| leachates | - 2 weeks from reporting  |
| waters    | - 2 weeks from reporting  |
| asbestos  | - 6 months from reporting |

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.

**Analytical Report Number: 24-056410**  
**Project / Site name: Rose Avenue, Gravesend**  
**Your Order No: 15441**

| Lab Sample Number                       |  |  |  | 393155        | 393156                     | 393157                       | 393158        | 393159        |
|-----------------------------------------|--|--|--|---------------|----------------------------|------------------------------|---------------|---------------|
| Sample Reference                        |  |  |  | B             | C                          | E                            | F             | 1             |
| Sample Number                           |  |  |  | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Water Matrix                            |  |  |  | N/A           | N/A                        | N/A                          | N/A           | N/A           |
| Depth (m)                               |  |  |  | 0.50          | 0.50                       | 1.50                         | 1.00          | 0.50          |
| Date Sampled                            |  |  |  | 25/11/2024    | 25/11/2024                 | 25/11/2024                   | 25/11/2024    | 25/11/2024    |
| Time Taken                              |  |  |  | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) |  |  |  | Units         | Test Limit of<br>detection | Test Accreditation<br>Status |               |               |

|                               |    |      |      |       |      |       |       |       |
|-------------------------------|----|------|------|-------|------|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | 80.7 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 13    | 13   | 14    | 12    | 18    |
| Total mass of sample received | kg | 0.1  | NONE | 0.9   | 0.8  | 0.8   | 0.8   | 0.8   |

#### General Inorganics

|                                                                 |          |      |        |      |      |      |      |      |
|-----------------------------------------------------------------|----------|------|--------|------|------|------|------|------|
| pH (L099)                                                       | pH Units | N/A  | MCERTS | 8.3  | 8.1  | 8.3  | 8.7  | 8.5  |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1) | mg/kg    | 2.5  | MCERTS | 25   | 28   | 46   | 28   | 44   |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1)             | mg/l     | 1.25 | MCERTS | 12.2 | 13.8 | 22.8 | 14.2 | 21.9 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 24-056410  
 Project / Site name: Rose Avenue, Gravesend  
 Your Order No: 15441

|                                         |       |                            |                              |               |               |
|-----------------------------------------|-------|----------------------------|------------------------------|---------------|---------------|
| Lab Sample Number                       |       |                            |                              | 393160        | 393161        |
| Sample Reference                        |       |                            |                              | 2             | 3             |
| Sample Number                           |       |                            |                              | None Supplied | None Supplied |
| Water Matrix                            |       |                            |                              | N/A           | N/A           |
| Depth (m)                               |       |                            |                              | 0.50          | 0.50          |
| Date Sampled                            |       |                            |                              | 25/11/2024    | 25/11/2024    |
| Time Taken                              |       |                            |                              | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Test Limit of<br>detection | Test Accreditation<br>Status |               |               |

|                               |    |      |      |      |       |
|-------------------------------|----|------|------|------|-------|
| Stone Content                 | %  | 0.1  | NONE | 70.5 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 15   | 11    |
| Total mass of sample received | kg | 0.1  | NONE | 0.8  | 0.8   |

#### General Inorganics

|                                                                 |          |      |        |     |      |
|-----------------------------------------------------------------|----------|------|--------|-----|------|
| pH (L099)                                                       | pH Units | N/A  | MCERTS | 8.4 | 7.9  |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1) | mg/kg    | 2.5  | MCERTS | 250 | 180  |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1)             | mg/l     | 1.25 | MCERTS | 127 | 88.6 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

**Analytical Report Number : 24-056410**
**Project / Site name: Rose Avenue, Gravesend**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

| Lab Sample Number | Sample Reference | Sample Number | Depth (m) | Sample Description *                           |
|-------------------|------------------|---------------|-----------|------------------------------------------------|
| 393155            | B                | None Supplied | 0.5       | Brown clay and sand with gravel                |
| 393156            | C                | None Supplied | 0.5       | Brown clay and sand with stones                |
| 393157            | E                | None Supplied | 1.5       | Brown clay and sand with chalk                 |
| 393158            | F                | None Supplied | 1         | Brown clay and sand with vegetation            |
| 393159            | 1                | None Supplied | 0.5       | Beige clay and sand with chalk and vegetation  |
| 393160            | 2                | None Supplied | 0.5       | Brown clay and sand with stones                |
| 393161            | 3                | None Supplied | 0.5       | Brown clay and sand with gravel and vegetation |

**Analytical Report Number : 24-056410**

**Project / Site name: Rose Avenue, Gravesend**

**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)**

**Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name                               | Analytical Method Description                                                                                              | Analytical Method Reference                                                | Method number | Wet / Dry Analysis | Accreditation Status |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Moisture Content                                   | Moisture content, determined gravimetrically (up to 30°C)                                                                  | In-house method                                                            | L019B         | W                  | NONE                 |
| Stones content of soil                             | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight | In-house method based on British Standard Methods and MCERTS requirements. | L019B         | D                  | NONE                 |
| Sulphate, water soluble, in soil (16hr extraction) | Sulphate, water soluble, in soil (16hr extraction)                                                                         | In-house method                                                            | L038B         | D                  | MCERTS               |
| pH in soil (automated)                             | Determination of pH in soil by addition of water followed by automated electrometric measurement                           | In-house method                                                            | L099-PL       | D                  | MCERTS               |

**For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).**

**For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).**

**For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.**

**Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.**

**Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.**

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

## **APPENDIX 4**

# **WASTE**

# WASTE CLASSIFICATION

---

The European Waste Framework Directive is implemented in the UK by the 2002 Landfill Regulations, together with a number of other acts and regulations. A key part of this process is to establish the hazardous properties of potential waste. The classification and definition of hazardous waste is interpreted within the Environment Agency guidance WM3 and all wastes require classifying in accordance with the European Waste Catalogue [EWC]. The EWC is a detailed list of typical industry waste types and each has a 6 digit code. Typically the appropriate EWC codes for excavated soil being disposed off site are:

- 17 05 03\* soil and stones containing dangerous substances, or
- 17 05 04 soil and stones other than those mentioned in 17 05 03

If excavated soils are to be discarded or exported from site then they would be considered controlled waste and require classification. However, if soils can be re-used on site then they are not considered to be controlled waste. A Desk Study, soil descriptions, laboratory chemical analysis and risk assessment can all contribute to basic waste characterisation. Depending upon the chemical composition or levels of contaminants in the waste (e.g. metals, TPH, asbestos), soil and stones can either be hazardous or non-hazardous. Waste Acceptance Criteria [WAC] test results are used to determine the suitability of the waste intended for disposal against the acceptance criteria for a particular class of landfill site. WAC tests are not used for the classification of waste soils and are only required for inert or hazardous excavated material which is destined for landfill.

Wastes containing asbestos with a concentration of >0.10% weight/weight (w/w) are generally considered to be hazardous. While waste with <0.10% w/w of asbestos are considered non-hazardous. Where free fibres or fibrous asbestos is present at concentrations of >0.001% then these are considered to pose a risk to human health and are deemed hazardous waste. These waste materials also require a suitably licensed company to handle them.

## Waste Treatment

It is a requirement of the 2002 Landfill Regulations that all wastes must undergo some form of pre-treatment prior to disposal at an appropriately licensed landfill. Treatment is defined using a 'three-point test' and can include physical, chemical, biological or thermal processes, which must change the characteristics of the waste in order to:

- reduce its volume, or
- reduce its hazardous nature, or
- facilitate its handling, or
- enhance its recovery.

The exceptions to this are:

- inert waste for which treatment is not technically feasible.
- it is waste other than inert waste and treatment would not reduce its quantity or its hazards to human health or the environment.

The waste producer should either treat their own waste or ensure that the waste will be treated by a subsequent handler. The waste producer should record the type and amount of pre-treatment undertaken prior to disposal.

Examples of treatment include mechanical segregation or sorting, composting, soil treatment hubs and incineration. This can include physical sorting of waste soil types into separate stockpiles at the producer site, e.g. topsoil, made ground and natural clay, sand or gravels.

# Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



35RU0-TOKY6-PBVNM

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

Report is invalid if pages are removed.

## Job name

24-055951\_HWOL

## Description/Comments

## Project

24/13027/GO

## Site

Rose Avenue, Gravesend

## Classified by

Name: **George Owens**  
 Date: **09 Dec 2024 08:32 GMT**  
 Telephone: **01428 684 836**  
 Company: **Albury SI Ltd**  
**Miltons Yard, Petworth Rd, Witley**  
**Godalming**  
**GU8 5LH**

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

## HazWasteOnline™ Certification:

| Course                         | Date |
|--------------------------------|------|
| Hazardous Waste Classification | -    |

## Purpose of classification

2 - Material Characterisation

## Address of the waste

Rose Avenue, Gravesend

Post Code **DA12 2LN**

## SIC for the process giving rise to the waste

41202 Construction of domestic buildings

## Description of industry/producer giving rise to the waste

Residential redevelopment

## Description of the specific process, sub-process and/or activity that created the waste

Waste created during excavation of soil from foundation arisings

## Description of the waste

made ground, sand and chalk



## Job summary

| # | Sample name      | Depth [m] | Classification Result | Hazard properties | Page |
|---|------------------|-----------|-----------------------|-------------------|------|
| 1 | A--25112024-0.10 |           | Non Hazardous         |                   | 3    |
| 2 | B--25112024-0.10 |           | Non Hazardous         |                   | 6    |
| 3 | C--25112024-0.10 |           | Non Hazardous         |                   | 9    |
| 4 | D--25112024-0.10 |           | Non Hazardous         |                   | 12   |
| 5 | E--25112024-0.10 |           | Non Hazardous         |                   | 15   |
| 6 | F--25112024-0.10 |           | Non Hazardous         |                   | 18   |

## Related documents

| # | Name                                                 | Description                                       |
|---|------------------------------------------------------|---------------------------------------------------|
| 1 | 24-055951_HWOL.hwol                                  | i2 Analytical .hwol file used to populate the Job |
| 2 | Example waste stream template for contaminated soils | waste stream template used to create this Job     |

## Report

Created by: George Owens

Created date: 09 Dec 2024 08:32 GMT

| Appendices                                                                 | Page |
|----------------------------------------------------------------------------|------|
| <a href="#">Appendix A: Classifier defined and non GB MCL determinands</a> | 21   |
| <a href="#">Appendix B: Rationale for selection of metal species</a>       | 22   |
| <a href="#">Appendix C: Version</a>                                        | 23   |

Classification of sample: A--25112024-0.10

 **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

### Sample details

|                         |                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------|
| Sample name:            | LoW Code:                                                                                 |
| <b>A--25112024-0.10</b> | Chapter:                                                                                  |
| Moisture content:       | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>17%</b>              | Entry:                                                                                    |
| (wet weight correction) | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

### Hazard properties

None identified

### Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                                                                                                                  |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|-------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                                                                                                          | EC Number | CAS Number |          |                   |              |                |       |                      |            |                |
| 1  |  arsenic { arsenic trioxide }                                                                                                                             |           |            |          | 12 mg/kg          | 1.32         | 13.15          | mg/kg | 0.00132 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                                                                                                                 | 215-481-4 | 1327-53-3  |          |                   |              |                |       |                      |            |                |
| 2  |  beryllium { beryllium oxide }                                                                                                                            |           |            |          | 1 mg/kg           | 2.775        | 2.304          | mg/kg | 0.00023 %            | ✓          |                |
|    | 004-003-00-8                                                                                                                                                                                                                                 | 215-133-1 | 1304-56-9  |          |                   |              |                |       |                      |            |                |
| 3  |  boron { diboron trioxide }                                                                                                                               |           |            |          | 3.8 mg/kg         | 3.22         | 10.155         | mg/kg | 0.00102 %            | ✓          |                |
|    | 005-008-00-8                                                                                                                                                                                                                                 | 215-125-8 | 1303-86-2  |          |                   |              |                |       |                      |            |                |
| 4  |  cadmium { cadmium oxide }                                                                                                                                |           |            |          | 0.6 mg/kg         | 1.142        | 0.569          | mg/kg | 0.0000569 %          | ✓          |                |
|    | 048-002-00-0                                                                                                                                                                                                                                 | 215-146-2 | 1306-19-0  |          |                   |              |                |       |                      |            |                |
| 5  |  chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |           |            |          | 31 mg/kg          | 1.462        | 45.308         | mg/kg | 0.00453 %            |            |                |
|    |                                                                                                                                                                                                                                              | 215-160-9 | 1308-38-9  |          |                   |              |                |       |                      |            |                |
| 6  |  chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <1.2 mg/kg        | 2.27         | <2.724         | mg/kg | <0.000272 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                                                                                                                 |           |            |          |                   |              |                |       |                      |            |                |
| 7  |  copper { dicopper oxide; copper (I) oxide }                                                                                                              |           |            |          | 49 mg/kg          | 1.126        | 45.79          | mg/kg | 0.00458 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                                                                                                                 | 215-270-7 | 1317-39-1  |          |                   |              |                |       |                      |            |                |
| 8  |  lead { lead chromate }                                                                                                                                   |           |            |          | 150 mg/kg         | 1.56         | 194.197        | mg/kg | 0.0194 %             | ✓          |                |
|    | 082-004-00-2                                                                                                                                                                                                                                 | 231-846-0 | 7758-97-6  |          |                   |              |                |       |                      |            |                |
| 9  |  manganese { manganese sulphate }                                                                                                                         |           |            |          | 440 mg/kg         | 2.749        | 1003.776       | mg/kg | 0.1 %                | ✓          |                |
|    | 025-003-00-4                                                                                                                                                                                                                                 | 232-089-9 | 7785-87-7  |          |                   |              |                |       |                      |            |                |
| 10 |  mercury { mercury dichloride }                                                                                                                           |           |            |          | 1.3 mg/kg         | 1.353        | 1.46           | mg/kg | 0.000146 %           | ✓          |                |
|    | 080-010-00-X                                                                                                                                                                                                                                 | 231-299-8 | 7487-94-7  |          |                   |              |                |       |                      |            |                |
| 11 |  nickel { nickel chromate }                                                                                                                               |           |            |          | 24 mg/kg          | 2.976        | 59.287         | mg/kg | 0.00593 %            | ✓          |                |
|    | 028-035-00-7                                                                                                                                                                                                                                 | 238-766-5 | 14721-18-7 |          |                   |              |                |       |                      |            |                |
| 12 |  selenium { nickel selenate }                                                                                                                             |           |            |          | <1 mg/kg          | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                                                                                                                 | 239-125-2 | 15060-62-5 |          |                   |              |                |       |                      |            |                |
| 13 |  zinc { zinc oxide }                                                                                                                                      |           |            |          | 190 mg/kg         | 1.245        | 196.291        | mg/kg | 0.0196 %             | ✓          |                |
|    | 030-013-00-7                                                                                                                                                                                                                                 | 215-222-5 | 1314-13-2  |          |                   |              |                |       |                      |            |                |
| 14 |  TPH (C6 to C40) petroleum group                                                                                                                          |           | TPH        |          | <20 mg/kg         |              | <20            | mg/kg | <0.002 %             |            | <LOD           |
|    |                                                                                                                                                                                                                                              |           |            |          |                   |              |                |       |                      |            |                |
| 15 |  tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 603-181-00-X                                                                                                                                                                                                                                 | 216-653-1 | 1634-04-4  |          |                   |              |                |       |                      |            |                |
| 16 |  benzene                                                                                                                                                  |           |            |          | <0.005 mg/kg      |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                                                                                                                 | 200-753-7 | 71-43-2    |          |                   |              |                |       |                      |            |                |

| #      | Determinand                                                                                                                                                                            |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|        | EU CLP index number                                                                                                                                                                    | EC Number                                                        | CAS Number                                                   |          |                   |              |                |              |                      |            |                |
| 17     | toluene                                                                                                                                                                                |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|        | 601-021-00-3                                                                                                                                                                           | 203-625-9                                                        | 108-88-3                                                     |          |                   |              |                |              |                      |            |                |
| 18     | ethylbenzene                                                                                                                                                                           |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|        | 601-023-00-4                                                                                                                                                                           | 202-849-4                                                        | 100-41-4                                                     |          |                   |              |                |              |                      |            |                |
| 19     | xylene                                                                                                                                                                                 |                                                                  |                                                              |          | <0.013 mg/kg      |              | <0.013 mg/kg   | <0.0000013 % |                      |            | <LOD           |
|        | 601-022-00-9                                                                                                                                                                           | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] |          |                   |              |                |              |                      |            |                |
| 20     | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } |                                                                  |                                                              |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %  |                      |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |                                                                  |                                                              |          |                   |              |                |              |                      |            |                |
| 21     | pH                                                                                                                                                                                     |                                                                  |                                                              |          | 7.4 pH            |              | 7.4 pH         | 7.4 pH       |                      |            |                |
|        |                                                                                                                                                                                        |                                                                  | PH                                                           |          |                   |              |                |              |                      |            |                |
| 22     | naphthalene                                                                                                                                                                            |                                                                  |                                                              |          | 0.08 mg/kg        |              | 0.0664 mg/kg   | 0.00000664 % |                      | ✓          |                |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5                                                        | 91-20-3                                                      |          |                   |              |                |              |                      |            |                |
| 23     | acenaphthylene                                                                                                                                                                         |                                                                  |                                                              |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 205-917-1                                                        | 208-96-8                                                     |          |                   |              |                |              |                      |            |                |
| 24     | acenaphthene                                                                                                                                                                           |                                                                  |                                                              |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6                                                        | 83-32-9                                                      |          |                   |              |                |              |                      |            |                |
| 25     | fluorene                                                                                                                                                                               |                                                                  |                                                              |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5                                                        | 86-73-7                                                      |          |                   |              |                |              |                      |            |                |
| 26     | phenanthrene                                                                                                                                                                           |                                                                  |                                                              |          | 0.65 mg/kg        |              | 0.54 mg/kg     | 0.000054 %   |                      | ✓          |                |
|        |                                                                                                                                                                                        | 201-581-5                                                        | 85-01-8                                                      |          |                   |              |                |              |                      |            |                |
| 27     | anthracene                                                                                                                                                                             |                                                                  |                                                              |          | 0.1 mg/kg         |              | 0.083 mg/kg    | 0.0000083 %  |                      | ✓          |                |
|        |                                                                                                                                                                                        | 204-371-1                                                        | 120-12-7                                                     |          |                   |              |                |              |                      |            |                |
| 28     | fluoranthene                                                                                                                                                                           |                                                                  |                                                              |          | 1.8 mg/kg         |              | 1.494 mg/kg    | 0.000149 %   |                      | ✓          |                |
|        |                                                                                                                                                                                        | 205-912-4                                                        | 206-44-0                                                     |          |                   |              |                |              |                      |            |                |
| 29     | pyrene                                                                                                                                                                                 |                                                                  |                                                              |          | 1.6 mg/kg         |              | 1.328 mg/kg    | 0.000133 %   |                      | ✓          |                |
|        |                                                                                                                                                                                        | 204-927-3                                                        | 129-00-0                                                     |          |                   |              |                |              |                      |            |                |
| 30     | benzo[a]anthracene                                                                                                                                                                     |                                                                  |                                                              |          | 0.81 mg/kg        |              | 0.672 mg/kg    | 0.0000672 %  |                      | ✓          |                |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6                                                        | 56-55-3                                                      |          |                   |              |                |              |                      |            |                |
| 31     | chrysene                                                                                                                                                                               |                                                                  |                                                              |          | 1 mg/kg           |              | 0.83 mg/kg     | 0.000083 %   |                      | ✓          |                |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4                                                        | 218-01-9                                                     |          |                   |              |                |              |                      |            |                |
| 32     | benzo[b]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 1.2 mg/kg         |              | 0.996 mg/kg    | 0.0000996 %  |                      | ✓          |                |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9                                                        | 205-99-2                                                     |          |                   |              |                |              |                      |            |                |
| 33     | benzo[k]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 0.82 mg/kg        |              | 0.681 mg/kg    | 0.0000681 %  |                      | ✓          |                |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6                                                        | 207-08-9                                                     |          |                   |              |                |              |                      |            |                |
| 34     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |                                                                  |                                                              |          | 1 mg/kg           |              | 0.83 mg/kg     | 0.000083 %   |                      | ✓          |                |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5                                                        | 50-32-8                                                      |          |                   |              |                |              |                      |            |                |
| 35     | indeno[123-cd]pyrene                                                                                                                                                                   |                                                                  |                                                              |          | 0.5 mg/kg         |              | 0.415 mg/kg    | 0.0000415 %  |                      | ✓          |                |
|        |                                                                                                                                                                                        | 205-893-2                                                        | 193-39-5                                                     |          |                   |              |                |              |                      |            |                |
| 36     | dibenz[a,h]anthracene                                                                                                                                                                  |                                                                  |                                                              |          | 0.09 mg/kg        |              | 0.0747 mg/kg   | 0.00000747 % |                      | ✓          |                |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8                                                        | 53-70-3                                                      |          |                   |              |                |              |                      |            |                |
| 37     | benzo[ghi]perylene                                                                                                                                                                     |                                                                  |                                                              |          | 0.68 mg/kg        |              | 0.564 mg/kg    | 0.0000564 %  |                      | ✓          |                |
|        |                                                                                                                                                                                        | 205-883-8                                                        | 191-24-2                                                     |          |                   |              |                |              |                      |            |                |
| 38     | monohydric phenols                                                                                                                                                                     |                                                                  |                                                              |          | <1 mg/kg          |              | <1 mg/kg       | <0.0001 %    |                      |            | <LOD           |
|        |                                                                                                                                                                                        |                                                                  | P1186                                                        |          |                   |              |                |              |                      |            |                |
| 39     | vanadium { divanadium pentaoxide; vanadium pentoxide }                                                                                                                                 |                                                                  |                                                              |          | 46 mg/kg          | 1.785        | 68.158 mg/kg   | 0.00682 %    |                      | ✓          |                |
|        | 023-001-00-8                                                                                                                                                                           | 215-239-8                                                        | 1314-62-1                                                    |          |                   |              |                |              |                      |            |                |
| 40     | sulfur { sulfur }                                                                                                                                                                      |                                                                  |                                                              |          | <5 mg/kg          |              | <5 mg/kg       | <0.0005 %    |                      |            | <LOD           |
|        | 016-094-00-1                                                                                                                                                                           | 231-722-6                                                        | 7704-34-9                                                    |          |                   |              |                |              |                      |            |                |
| Total: |                                                                                                                                                                                        |                                                                  |                                                              |          |                   |              |                |              | 0.168 %              |            |                |

---

**Key**

|      |                                                                                                                                 |
|------|---------------------------------------------------------------------------------------------------------------------------------|
|      | User supplied data                                                                                                              |
|      | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|      | Determinand defined or amended by HazWasteOnline (see Appendix A)                                                               |
|      | Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| <LOD | Below limit of detection                                                                                                        |

Classification of sample: B--25112024-0.10

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

### Sample details

|                                       |                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------|
| Sample name:                          | LoW Code:                                                                                          |
| <b>B--25112024-0.10</b>               | Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| Moisture content:                     | Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                           |
| <b>17%</b><br>(wet weight correction) |                                                                                                    |

### Hazard properties

None identified

### Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

| #  |                                                                                     | Determinand                                                                                                                                              |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |   |      |
|----|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|---|------|
|    |                                                                                     | EU CLP index number                                                                                                                                      | EC Number | CAS Number |          |                   |              |                |                      |            |                |   |      |
| 1  |  | arsenic { arsenic trioxide }                                                                                                                             |           |            |          | 13                | mg/kg        | 1.32           | 14.246               | mg/kg      | 0.00142 %      | ✓ |      |
|    |                                                                                     | 033-003-00-0                                                                                                                                             | 215-481-4 | 1327-53-3  |          |                   |              |                |                      |            |                |   |      |
| 2  |  | beryllium { beryllium oxide }                                                                                                                            |           |            |          | 0.95              | mg/kg        | 2.775          | 2.188                | mg/kg      | 0.000219 %     | ✓ |      |
|    |                                                                                     | 004-003-00-8                                                                                                                                             | 215-133-1 | 1304-56-9  |          |                   |              |                |                      |            |                |   |      |
| 3  |  | boron { diboron trioxide }                                                                                                                               |           |            |          | 3.8               | mg/kg        | 3.22           | 10.155               | mg/kg      | 0.00102 %      | ✓ |      |
|    |                                                                                     | 005-008-00-8                                                                                                                                             | 215-125-8 | 1303-86-2  |          |                   |              |                |                      |            |                |   |      |
| 4  |  | cadmium { cadmium oxide }                                                                                                                                |           |            |          | 0.8               | mg/kg        | 1.142          | 0.759                | mg/kg      | 0.0000759 %    | ✓ |      |
|    |                                                                                     | 048-002-00-0                                                                                                                                             | 215-146-2 | 1306-19-0  |          |                   |              |                |                      |            |                |   |      |
| 5  |  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |           |            |          | 21                | mg/kg        | 1.462          | 30.693               | mg/kg      | 0.00307 %      |   |      |
|    |                                                                                     |                                                                                                                                                          | 215-160-9 | 1308-38-9  |          |                   |              |                |                      |            |                |   |      |
| 6  |  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <1.2              | mg/kg        | 2.27           | <2.724               | mg/kg      | <0.000272 %    |   | <LOD |
|    |                                                                                     | 024-017-00-8                                                                                                                                             |           |            |          |                   |              |                |                      |            |                |   |      |
| 7  |  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |           |            |          | 51                | mg/kg        | 1.126          | 47.659               | mg/kg      | 0.00477 %      | ✓ |      |
|    |                                                                                     | 029-002-00-X                                                                                                                                             | 215-270-7 | 1317-39-1  |          |                   |              |                |                      |            |                |   |      |
| 8  |  | lead { lead chromate }                                                                                                                                   |           |            |          | 100               | mg/kg        | 1.56           | 129.465              | mg/kg      | 0.0129 %       | ✓ |      |
|    |                                                                                     | 082-004-00-2                                                                                                                                             | 231-846-0 | 7758-97-6  |          |                   |              |                |                      |            |                |   |      |
| 9  |  | manganese { manganese sulphate }                                                                                                                         |           |            |          | 480               | mg/kg        | 2.749          | 1095.028             | mg/kg      | 0.11 %         | ✓ |      |
|    |                                                                                     | 025-003-00-4                                                                                                                                             | 232-089-9 | 7785-87-7  |          |                   |              |                |                      |            |                |   |      |
| 10 |  | mercury { mercury dichloride }                                                                                                                           |           |            |          | 0.3               | mg/kg        | 1.353          | 0.337                | mg/kg      | 0.0000337 %    | ✓ |      |
|    |                                                                                     | 080-010-00-X                                                                                                                                             | 231-299-8 | 7487-94-7  |          |                   |              |                |                      |            |                |   |      |
| 11 |  | nickel { nickel chromate }                                                                                                                               |           |            |          | 26                | mg/kg        | 2.976          | 64.228               | mg/kg      | 0.00642 %      | ✓ |      |
|    |                                                                                     | 028-035-00-7                                                                                                                                             | 238-766-5 | 14721-18-7 |          |                   |              |                |                      |            |                |   |      |
| 12 |  | selenium { nickel selenate }                                                                                                                             |           |            |          | <1                | mg/kg        | 2.554          | <2.554               | mg/kg      | <0.000255 %    |   | <LOD |
|    |                                                                                     | 028-031-00-5                                                                                                                                             | 239-125-2 | 15060-62-5 |          |                   |              |                |                      |            |                |   |      |
| 13 |  | zinc { zinc oxide }                                                                                                                                      |           |            |          | 410               | mg/kg        | 1.245          | 423.576              | mg/kg      | 0.0424 %       | ✓ |      |
|    |                                                                                     | 030-013-00-7                                                                                                                                             | 215-222-5 | 1314-13-2  |          |                   |              |                |                      |            |                |   |      |
| 14 |  | TPH (C6 to C40) petroleum group                                                                                                                          |           |            |          | <20               | mg/kg        |                | <20                  | mg/kg      | <0.002 %       |   | <LOD |
|    |                                                                                     |                                                                                                                                                          |           | TPH        |          |                   |              |                |                      |            |                |   |      |
| 15 |                                                                                     | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane                                                                                                 |           |            |          | <0.005            | mg/kg        |                | <0.005               | mg/kg      | <0.0000005 %   |   | <LOD |
|    |                                                                                     | 603-181-00-X                                                                                                                                             | 216-653-1 | 1634-04-4  |          |                   |              |                |                      |            |                |   |      |
| 16 |                                                                                     | benzene                                                                                                                                                  |           |            |          | <0.005            | mg/kg        |                | <0.005               | mg/kg      | <0.0000005 %   |   | <LOD |
|    |                                                                                     | 601-020-00-8                                                                                                                                             | 200-753-7 | 71-43-2    |          |                   |              |                |                      |            |                |   |      |

| #      | Determinand                                                                                                                                                                            |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | EU CLP index number                                                                                                                                                                    | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 17     | toluene                                                                                                                                                                                |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|        | 601-021-00-3                                                                                                                                                                           | 203-625-9                                                        | 108-88-3                                                     |          |                   |              |                |                      |            |                |
| 18     | ethylbenzene                                                                                                                                                                           |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|        | 601-023-00-4                                                                                                                                                                           | 202-849-4                                                        | 100-41-4                                                     |          |                   |              |                |                      |            |                |
| 19     | xylene                                                                                                                                                                                 |                                                                  |                                                              |          | <0.013 mg/kg      |              | <0.013 mg/kg   | <0.0000013 %         |            | <LOD           |
|        | 601-022-00-9                                                                                                                                                                           | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] |          |                   |              |                |                      |            |                |
| 20     | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } |                                                                  |                                                              |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |                                                                  |                                                              |          |                   |              |                |                      |            |                |
| 21     | pH                                                                                                                                                                                     |                                                                  |                                                              |          | 7.2 pH            |              | 7.2 pH         | 7.2 pH               |            |                |
|        |                                                                                                                                                                                        |                                                                  | PH                                                           |          |                   |              |                |                      |            |                |
| 22     | naphthalene                                                                                                                                                                            |                                                                  |                                                              |          | 0.17 mg/kg        |              | 0.141 mg/kg    | 0.0000141 %          | ✓          |                |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5                                                        | 91-20-3                                                      |          |                   |              |                |                      |            |                |
| 23     | acenaphthylene                                                                                                                                                                         |                                                                  |                                                              |          | 0.12 mg/kg        |              | 0.0996 mg/kg   | 0.00000996 %         | ✓          |                |
|        |                                                                                                                                                                                        | 205-917-1                                                        | 208-96-8                                                     |          |                   |              |                |                      |            |                |
| 24     | acenaphthene                                                                                                                                                                           |                                                                  |                                                              |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6                                                        | 83-32-9                                                      |          |                   |              |                |                      |            |                |
| 25     | fluorene                                                                                                                                                                               |                                                                  |                                                              |          | 0.07 mg/kg        |              | 0.0581 mg/kg   | 0.00000581 %         | ✓          |                |
|        |                                                                                                                                                                                        | 201-695-5                                                        | 86-73-7                                                      |          |                   |              |                |                      |            |                |
| 26     | phenanthrene                                                                                                                                                                           |                                                                  |                                                              |          | 1.6 mg/kg         |              | 1.328 mg/kg    | 0.000133 %           | ✓          |                |
|        |                                                                                                                                                                                        | 201-581-5                                                        | 85-01-8                                                      |          |                   |              |                |                      |            |                |
| 27     | anthracene                                                                                                                                                                             |                                                                  |                                                              |          | 0.1 mg/kg         |              | 0.083 mg/kg    | 0.0000083 %          | ✓          |                |
|        |                                                                                                                                                                                        | 204-371-1                                                        | 120-12-7                                                     |          |                   |              |                |                      |            |                |
| 28     | fluoranthene                                                                                                                                                                           |                                                                  |                                                              |          | 2.4 mg/kg         |              | 1.992 mg/kg    | 0.000199 %           | ✓          |                |
|        |                                                                                                                                                                                        | 205-912-4                                                        | 206-44-0                                                     |          |                   |              |                |                      |            |                |
| 29     | pyrene                                                                                                                                                                                 |                                                                  |                                                              |          | 2.1 mg/kg         |              | 1.743 mg/kg    | 0.000174 %           | ✓          |                |
|        |                                                                                                                                                                                        | 204-927-3                                                        | 129-00-0                                                     |          |                   |              |                |                      |            |                |
| 30     | benzo[a]anthracene                                                                                                                                                                     |                                                                  |                                                              |          | 0.8 mg/kg         |              | 0.664 mg/kg    | 0.0000664 %          | ✓          |                |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6                                                        | 56-55-3                                                      |          |                   |              |                |                      |            |                |
| 31     | chrysene                                                                                                                                                                               |                                                                  |                                                              |          | 1.1 mg/kg         |              | 0.913 mg/kg    | 0.0000913 %          | ✓          |                |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4                                                        | 218-01-9                                                     |          |                   |              |                |                      |            |                |
| 32     | benzo[b]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 1.2 mg/kg         |              | 0.996 mg/kg    | 0.0000996 %          | ✓          |                |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9                                                        | 205-99-2                                                     |          |                   |              |                |                      |            |                |
| 33     | benzo[k]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 0.71 mg/kg        |              | 0.589 mg/kg    | 0.0000589 %          | ✓          |                |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6                                                        | 207-08-9                                                     |          |                   |              |                |                      |            |                |
| 34     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |                                                                  |                                                              |          | 1.2 mg/kg         |              | 0.996 mg/kg    | 0.0000996 %          | ✓          |                |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5                                                        | 50-32-8                                                      |          |                   |              |                |                      |            |                |
| 35     | indeno[123-cd]pyrene                                                                                                                                                                   |                                                                  |                                                              |          | 0.61 mg/kg        |              | 0.506 mg/kg    | 0.0000506 %          | ✓          |                |
|        |                                                                                                                                                                                        | 205-893-2                                                        | 193-39-5                                                     |          |                   |              |                |                      |            |                |
| 36     | dibenz[a,h]anthracene                                                                                                                                                                  |                                                                  |                                                              |          | 0.09 mg/kg        |              | 0.0747 mg/kg   | 0.00000747 %         | ✓          |                |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8                                                        | 53-70-3                                                      |          |                   |              |                |                      |            |                |
| 37     | benzo[ghi]perylene                                                                                                                                                                     |                                                                  |                                                              |          | 0.71 mg/kg        |              | 0.589 mg/kg    | 0.0000589 %          | ✓          |                |
|        |                                                                                                                                                                                        | 205-883-8                                                        | 191-24-2                                                     |          |                   |              |                |                      |            |                |
| 38     | monohydric phenols                                                                                                                                                                     |                                                                  |                                                              |          | <1 mg/kg          |              | <1 mg/kg       | <0.0001 %            |            | <LOD           |
|        |                                                                                                                                                                                        |                                                                  | P1186                                                        |          |                   |              |                |                      |            |                |
| 39     | vanadium { divanadium pentaoxide; vanadium pentoxide }                                                                                                                                 |                                                                  |                                                              |          | 58 mg/kg          | 1.785        | 85.939 mg/kg   | 0.00859 %            | ✓          |                |
|        | 023-001-00-8                                                                                                                                                                           | 215-239-8                                                        | 1314-62-1                                                    |          |                   |              |                |                      |            |                |
| 40     | sulfur { sulfur }                                                                                                                                                                      |                                                                  |                                                              |          | 5.7 mg/kg         |              | 4.731 mg/kg    | 0.000473 %           | ✓          |                |
|        | 016-094-00-1                                                                                                                                                                           | 231-722-6                                                        | 7704-34-9                                                    |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |                                                                  |                                                              |          |                   |              |                | 0.195 %              |            |                |



Key

|      |                                                                                                                                 |
|------|---------------------------------------------------------------------------------------------------------------------------------|
|      | User supplied data                                                                                                              |
|      | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|      | Determinand defined or amended by HazWasteOnline (see Appendix A)                                                               |
|      | Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| <LOD | Below limit of detection                                                                                                        |

Classification of sample: C--25112024-0.10

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

### Sample details

|                                       |                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------|
| Sample name:                          | LoW Code:                                                                                          |
| <b>C--25112024-0.10</b>               | Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| Moisture content:                     | Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                           |
| <b>19%</b><br>(wet weight correction) |                                                                                                    |

### Hazard properties

None identified

### Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                              |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|-------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                      | EC Number | CAS Number |          |                   |              |                |       |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                             |           |            |          | 13 mg/kg          | 1.32         | 13.903         | mg/kg | 0.00139 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4 | 1327-53-3  |          |                   |              |                |       |                      |            |                |
| 2  | beryllium { beryllium oxide }                                                                                                                            |           |            |          | 1.4 mg/kg         | 2.775        | 3.147          | mg/kg | 0.000315 %           | ✓          |                |
|    | 004-003-00-8                                                                                                                                             | 215-133-1 | 1304-56-9  |          |                   |              |                |       |                      |            |                |
| 3  | boron { diboron trioxide }                                                                                                                               |           |            |          | 2.6 mg/kg         | 3.22         | 6.781          | mg/kg | 0.000678 %           | ✓          |                |
|    | 005-008-00-8                                                                                                                                             | 215-125-8 | 1303-86-2  |          |                   |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |           |            |          | 0.7 mg/kg         | 1.142        | 0.648          | mg/kg | 0.0000648 %          | ✓          |                |
|    | 048-002-00-0                                                                                                                                             | 215-146-2 | 1306-19-0  |          |                   |              |                |       |                      |            |                |
| 5  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |           |            |          | 28 mg/kg          | 1.462        | 40.924         | mg/kg | 0.00409 %            |            |                |
|    |                                                                                                                                                          | 215-160-9 | 1308-38-9  |          |                   |              |                |       |                      |            |                |
| 6  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <1.2 mg/kg        | 2.27         | <2.724         | mg/kg | <0.000272 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |           |            |          |                   |              |                |       |                      |            |                |
| 7  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |           |            |          | 68 mg/kg          | 1.126        | 62.014         | mg/kg | 0.0062 %             | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7 | 1317-39-1  |          |                   |              |                |       |                      |            |                |
| 8  | lead { lead chromate }                                                                                                                                   |           |            |          | 260 mg/kg         | 1.56         | 328.497        | mg/kg | 0.0328 %             | ✓          |                |
|    | 082-004-00-2                                                                                                                                             | 231-846-0 | 7758-97-6  |          |                   |              |                |       |                      |            |                |
| 9  | manganese { manganese sulphate }                                                                                                                         |           |            |          | 400 mg/kg         | 2.749        | 890.535        | mg/kg | 0.0891 %             | ✓          |                |
|    | 025-003-00-4                                                                                                                                             | 232-089-9 | 7785-87-7  |          |                   |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |           |            |          | 1 mg/kg           | 1.353        | 1.096          | mg/kg | 0.00011 %            | ✓          |                |
|    | 080-010-00-X                                                                                                                                             | 231-299-8 | 7487-94-7  |          |                   |              |                |       |                      |            |                |
| 11 | nickel { nickel chromate }                                                                                                                               |           |            |          | 27 mg/kg          | 2.976        | 65.091         | mg/kg | 0.00651 %            | ✓          |                |
|    | 028-035-00-7                                                                                                                                             | 238-766-5 | 14721-18-7 |          |                   |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                             |           |            |          | <1 mg/kg          | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                             | 239-125-2 | 15060-62-5 |          |                   |              |                |       |                      |            |                |
| 13 | zinc { zinc oxide }                                                                                                                                      |           |            |          | 220 mg/kg         | 1.245        | 221.808        | mg/kg | 0.0222 %             | ✓          |                |
|    | 030-013-00-7                                                                                                                                             | 215-222-5 | 1314-13-2  |          |                   |              |                |       |                      |            |                |
| 14 | TPH (C6 to C40) petroleum group                                                                                                                          |           | TPH        |          | <20 mg/kg         |              | <20            | mg/kg | <0.002 %             |            | <LOD           |
|    |                                                                                                                                                          |           |            |          |                   |              |                |       |                      |            |                |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 603-181-00-X                                                                                                                                             | 216-653-1 | 1634-04-4  |          |                   |              |                |       |                      |            |                |
| 16 | benzene                                                                                                                                                  |           |            |          | <0.005 mg/kg      |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                             | 200-753-7 | 71-43-2    |          |                   |              |                |       |                      |            |                |

| #      | Determinand                                                                                                                                                                            |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | EU CLP index number                                                                                                                                                                    | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 17     | toluene                                                                                                                                                                                |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|        | 601-021-00-3                                                                                                                                                                           | 203-625-9                                                        | 108-88-3                                                     |          |                   |              |                |                      |            |                |
| 18     | ethylbenzene                                                                                                                                                                           |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|        | 601-023-00-4                                                                                                                                                                           | 202-849-4                                                        | 100-41-4                                                     |          |                   |              |                |                      |            |                |
| 19     | xylene                                                                                                                                                                                 |                                                                  |                                                              |          | <0.013 mg/kg      |              | <0.013 mg/kg   | <0.0000013 %         |            | <LOD           |
|        | 601-022-00-9                                                                                                                                                                           | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] |          |                   |              |                |                      |            |                |
| 20     | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } |                                                                  |                                                              |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |                                                                  |                                                              |          |                   |              |                |                      |            |                |
| 21     | pH                                                                                                                                                                                     |                                                                  |                                                              |          | 7.2 pH            |              | 7.2 pH         | 7.2 pH               |            |                |
|        |                                                                                                                                                                                        |                                                                  | PH                                                           |          |                   |              |                |                      |            |                |
| 22     | naphthalene                                                                                                                                                                            |                                                                  |                                                              |          | 0.11 mg/kg        |              | 0.0891 mg/kg   | 0.00000891 %         | ✓          |                |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5                                                        | 91-20-3                                                      |          |                   |              |                |                      |            |                |
| 23     | acenaphthylene                                                                                                                                                                         |                                                                  |                                                              |          | 0.11 mg/kg        |              | 0.0891 mg/kg   | 0.00000891 %         | ✓          |                |
|        |                                                                                                                                                                                        | 205-917-1                                                        | 208-96-8                                                     |          |                   |              |                |                      |            |                |
| 24     | acenaphthene                                                                                                                                                                           |                                                                  |                                                              |          | 0.14 mg/kg        |              | 0.113 mg/kg    | 0.0000113 %          | ✓          |                |
|        |                                                                                                                                                                                        | 201-469-6                                                        | 83-32-9                                                      |          |                   |              |                |                      |            |                |
| 25     | fluorene                                                                                                                                                                               |                                                                  |                                                              |          | 0.11 mg/kg        |              | 0.0891 mg/kg   | 0.00000891 %         | ✓          |                |
|        |                                                                                                                                                                                        | 201-695-5                                                        | 86-73-7                                                      |          |                   |              |                |                      |            |                |
| 26     | phenanthrene                                                                                                                                                                           |                                                                  |                                                              |          | 1.8 mg/kg         |              | 1.458 mg/kg    | 0.000146 %           | ✓          |                |
|        |                                                                                                                                                                                        | 201-581-5                                                        | 85-01-8                                                      |          |                   |              |                |                      |            |                |
| 27     | anthracene                                                                                                                                                                             |                                                                  |                                                              |          | 0.35 mg/kg        |              | 0.284 mg/kg    | 0.0000284 %          | ✓          |                |
|        |                                                                                                                                                                                        | 204-371-1                                                        | 120-12-7                                                     |          |                   |              |                |                      |            |                |
| 28     | fluoranthene                                                                                                                                                                           |                                                                  |                                                              |          | 2.9 mg/kg         |              | 2.349 mg/kg    | 0.000235 %           | ✓          |                |
|        |                                                                                                                                                                                        | 205-912-4                                                        | 206-44-0                                                     |          |                   |              |                |                      |            |                |
| 29     | pyrene                                                                                                                                                                                 |                                                                  |                                                              |          | 2.5 mg/kg         |              | 2.025 mg/kg    | 0.000202 %           | ✓          |                |
|        |                                                                                                                                                                                        | 204-927-3                                                        | 129-00-0                                                     |          |                   |              |                |                      |            |                |
| 30     | benzo[a]anthracene                                                                                                                                                                     |                                                                  |                                                              |          | 1.3 mg/kg         |              | 1.053 mg/kg    | 0.000105 %           | ✓          |                |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6                                                        | 56-55-3                                                      |          |                   |              |                |                      |            |                |
| 31     | chrysene                                                                                                                                                                               |                                                                  |                                                              |          | 1.4 mg/kg         |              | 1.134 mg/kg    | 0.000113 %           | ✓          |                |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4                                                        | 218-01-9                                                     |          |                   |              |                |                      |            |                |
| 32     | benzo[b]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 1.8 mg/kg         |              | 1.458 mg/kg    | 0.000146 %           | ✓          |                |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9                                                        | 205-99-2                                                     |          |                   |              |                |                      |            |                |
| 33     | benzo[k]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 0.75 mg/kg        |              | 0.608 mg/kg    | 0.0000608 %          | ✓          |                |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6                                                        | 207-08-9                                                     |          |                   |              |                |                      |            |                |
| 34     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |                                                                  |                                                              |          | 1.6 mg/kg         |              | 1.296 mg/kg    | 0.00013 %            | ✓          |                |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5                                                        | 50-32-8                                                      |          |                   |              |                |                      |            |                |
| 35     | indeno[123-cd]pyrene                                                                                                                                                                   |                                                                  |                                                              |          | 0.76 mg/kg        |              | 0.616 mg/kg    | 0.0000616 %          | ✓          |                |
|        |                                                                                                                                                                                        | 205-893-2                                                        | 193-39-5                                                     |          |                   |              |                |                      |            |                |
| 36     | dibenz[a,h]anthracene                                                                                                                                                                  |                                                                  |                                                              |          | 0.13 mg/kg        |              | 0.105 mg/kg    | 0.0000105 %          | ✓          |                |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8                                                        | 53-70-3                                                      |          |                   |              |                |                      |            |                |
| 37     | benzo[ghi]perylene                                                                                                                                                                     |                                                                  |                                                              |          | 0.9 mg/kg         |              | 0.729 mg/kg    | 0.0000729 %          | ✓          |                |
|        |                                                                                                                                                                                        | 205-883-8                                                        | 191-24-2                                                     |          |                   |              |                |                      |            |                |
| 38     | monohydric phenols                                                                                                                                                                     |                                                                  |                                                              |          | <1 mg/kg          |              | <1 mg/kg       | <0.0001 %            |            | <LOD           |
|        |                                                                                                                                                                                        |                                                                  | P1186                                                        |          |                   |              |                |                      |            |                |
| 39     | vanadium { divanadium pentaoxide; vanadium pentoxide }                                                                                                                                 |                                                                  |                                                              |          | 50 mg/kg          | 1.785        | 72.3 mg/kg     | 0.00723 %            | ✓          |                |
|        | 023-001-00-8                                                                                                                                                                           | 215-239-8                                                        | 1314-62-1                                                    |          |                   |              |                |                      |            |                |
| 40     | sulfur { sulfur }                                                                                                                                                                      |                                                                  |                                                              |          | 6 mg/kg           |              | 4.86 mg/kg     | 0.000486 %           | ✓          |                |
|        | 016-094-00-1                                                                                                                                                                           | 231-722-6                                                        | 7704-34-9                                                    |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |                                                                  |                                                              |          |                   |              |                | 0.175 %              |            |                |

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**Key**

|      |                                                                                                                                 |
|------|---------------------------------------------------------------------------------------------------------------------------------|
|      | User supplied data                                                                                                              |
|      | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|      | Determinand defined or amended by HazWasteOnline (see Appendix A)                                                               |
|      | Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| <LOD | Below limit of detection                                                                                                        |

**Classification of sample: D--25112024-0.10**

 **Non Hazardous Waste**  
 Classified as **17 05 04**  
 in the List of Waste

**Sample details**

|                                       |                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------|
| Sample name:                          | LoW Code:                                                                                          |
| <b>D--25112024-0.10</b>               | Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| Moisture content:                     | Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                           |
| <b>19%</b><br>(wet weight correction) |                                                                                                    |

**Hazard properties**

None identified

**Determinands**

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

| #  |                                                                                     | Determinand                                                                                                                                              |           |            | CLP Note | User entered data | Conv. Factor | Compound conc.     | Classification value | MC Applied | Conc. Not Used |
|----|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|--------------------|----------------------|------------|----------------|
|    |                                                                                     | EU CLP index number                                                                                                                                      | EC Number | CAS Number |          |                   |              |                    |                      |            |                |
| 1  |  | arsenic { arsenic trioxide }                                                                                                                             |           |            |          | 15      mg/kg     | 1.32         | 16.042      mg/kg  | 0.0016 %             | ✓          |                |
|    |                                                                                     | 033-003-00-0                                                                                                                                             | 215-481-4 | 1327-53-3  |          |                   |              |                    |                      |            |                |
| 2  |  | beryllium { beryllium oxide }                                                                                                                            |           |            |          |                   |              |                    |                      |            |                |
|    |                                                                                     | 004-003-00-8                                                                                                                                             | 215-133-1 | 1304-56-9  |          |                   |              |                    |                      |            |                |
| 3  |  | boron { diboron trioxide }                                                                                                                               |           |            |          | 3      mg/kg      | 3.22         | 7.824      mg/kg   | 0.000782 %           | ✓          |                |
|    |                                                                                     | 005-008-00-8                                                                                                                                             | 215-125-8 | 1303-86-2  |          |                   |              |                    |                      |            |                |
| 4  |  | cadmium { cadmium oxide }                                                                                                                                |           |            |          |                   |              |                    |                      |            |                |
|    |                                                                                     | 048-002-00-0                                                                                                                                             | 215-146-2 | 1306-19-0  |          |                   |              |                    |                      |            |                |
| 5  |  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |           |            |          | 34      mg/kg     | 1.462        | 49.693      mg/kg  | 0.00497 %            |            |                |
|    |                                                                                     |                                                                                                                                                          | 215-160-9 | 1308-38-9  |          |                   |              |                    |                      |            |                |
| 6  |  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          |                   |              |                    |                      |            |                |
|    |                                                                                     | 024-017-00-8                                                                                                                                             |           |            |          |                   |              |                    |                      |            |                |
| 7  |  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |           |            |          | 53      mg/kg     | 1.126        | 48.334      mg/kg  | 0.00483 %            | ✓          |                |
|    |                                                                                     | 029-002-00-X                                                                                                                                             | 215-270-7 | 1317-39-1  |          |                   |              |                    |                      |            |                |
| 8  |  | lead { lead chromate }                                                                                                                                   |           |            |          |                   |              |                    |                      |            |                |
|    |                                                                                     | 082-004-00-2                                                                                                                                             | 231-846-0 | 7758-97-6  |          |                   |              |                    |                      |            |                |
| 9  |  | manganese { manganese sulphate }                                                                                                                         |           |            |          | 430      mg/kg    | 2.749        | 957.325      mg/kg | 0.0957 %             | ✓          |                |
|    |                                                                                     | 025-003-00-4                                                                                                                                             | 232-089-9 | 7785-87-7  |          |                   |              |                    |                      |            |                |
| 10 |  | mercury { mercury dichloride }                                                                                                                           |           |            |          |                   |              |                    |                      |            |                |
|    |                                                                                     | 080-010-00-X                                                                                                                                             | 231-299-8 | 7487-94-7  |          |                   |              |                    |                      |            |                |
| 11 |  | nickel { nickel chromate }                                                                                                                               |           |            |          | 33      mg/kg     | 2.976        | 79.556      mg/kg  | 0.00796 %            | ✓          |                |
|    |                                                                                     | 028-035-00-7                                                                                                                                             | 238-766-5 | 14721-18-7 |          |                   |              |                    |                      |            |                |
| 12 |  | selenium { nickel selenate }                                                                                                                             |           |            |          |                   |              |                    |                      |            |                |
|    |                                                                                     | 028-031-00-5                                                                                                                                             | 239-125-2 | 15060-62-5 |          |                   |              |                    |                      |            |                |
| 13 |  | zinc { zinc oxide }                                                                                                                                      |           |            |          | 410      mg/kg    | 1.245        | 413.37      mg/kg  | 0.0413 %             | ✓          |                |
|    |                                                                                     | 030-013-00-7                                                                                                                                             | 215-222-5 | 1314-13-2  |          |                   |              |                    |                      |            |                |
| 14 |  | TPH (C6 to C40) petroleum group                                                                                                                          |           |            |          |                   |              |                    |                      |            |                |
|    |                                                                                     |                                                                                                                                                          |           | TPH        |          |                   |              |                    |                      |            |                |
|    |                                                                                     |                                                                                                                                                          |           |            |          |                   |              |                    |                      |            |                |
| 15 |                                                                                     | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane                                                                                                 |           |            |          | <0.005      mg/kg |              | <0.005      mg/kg  | <0.0000005 %         |            | <LOD           |
|    |                                                                                     | 603-181-00-X                                                                                                                                             | 216-653-1 | 1634-04-4  |          |                   |              |                    |                      |            |                |
| 16 |                                                                                     | benzene                                                                                                                                                  |           |            |          |                   |              |                    |                      |            |                |
|    |                                                                                     | 601-020-00-8                                                                                                                                             | 200-753-7 | 71-43-2    |          |                   |              |                    |                      |            |                |
|    |                                                                                     |                                                                                                                                                          |           |            |          |                   |              |                    |                      |            |                |

| #      | Determinand                                                                                                                                                                            |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | EU CLP index number                                                                                                                                                                    | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 17     | toluene                                                                                                                                                                                |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|        | 601-021-00-3                                                                                                                                                                           | 203-625-9                                                        | 108-88-3                                                     |          |                   |              |                |                      |            |                |
| 18     | ethylbenzene                                                                                                                                                                           |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|        | 601-023-00-4                                                                                                                                                                           | 202-849-4                                                        | 100-41-4                                                     |          |                   |              |                |                      |            |                |
| 19     | xylene                                                                                                                                                                                 |                                                                  |                                                              |          | <0.013 mg/kg      |              | <0.013 mg/kg   | <0.0000013 %         |            | <LOD           |
|        | 601-022-00-9                                                                                                                                                                           | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] |          |                   |              |                |                      |            |                |
| 20     | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } |                                                                  |                                                              |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |                                                                  |                                                              |          |                   |              |                |                      |            |                |
| 21     | pH                                                                                                                                                                                     |                                                                  |                                                              |          | 7.3 pH            |              | 7.3 pH         | 7.3 pH               |            |                |
|        |                                                                                                                                                                                        |                                                                  | PH                                                           |          |                   |              |                |                      |            |                |
| 22     | naphthalene                                                                                                                                                                            |                                                                  |                                                              |          | 0.09 mg/kg        |              | 0.0729 mg/kg   | 0.00000729 %         | ✓          |                |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5                                                        | 91-20-3                                                      |          |                   |              |                |                      |            |                |
| 23     | acenaphthylene                                                                                                                                                                         |                                                                  |                                                              |          | 0.11 mg/kg        |              | 0.0891 mg/kg   | 0.00000891 %         | ✓          |                |
|        |                                                                                                                                                                                        | 205-917-1                                                        | 208-96-8                                                     |          |                   |              |                |                      |            |                |
| 24     | acenaphthene                                                                                                                                                                           |                                                                  |                                                              |          | 0.08 mg/kg        |              | 0.0648 mg/kg   | 0.00000648 %         | ✓          |                |
|        |                                                                                                                                                                                        | 201-469-6                                                        | 83-32-9                                                      |          |                   |              |                |                      |            |                |
| 25     | fluorene                                                                                                                                                                               |                                                                  |                                                              |          | 0.11 mg/kg        |              | 0.0891 mg/kg   | 0.00000891 %         | ✓          |                |
|        |                                                                                                                                                                                        | 201-695-5                                                        | 86-73-7                                                      |          |                   |              |                |                      |            |                |
| 26     | phenanthrene                                                                                                                                                                           |                                                                  |                                                              |          | 1.9 mg/kg         |              | 1.539 mg/kg    | 0.000154 %           | ✓          |                |
|        |                                                                                                                                                                                        | 201-581-5                                                        | 85-01-8                                                      |          |                   |              |                |                      |            |                |
| 27     | anthracene                                                                                                                                                                             |                                                                  |                                                              |          | 0.23 mg/kg        |              | 0.186 mg/kg    | 0.0000186 %          | ✓          |                |
|        |                                                                                                                                                                                        | 204-371-1                                                        | 120-12-7                                                     |          |                   |              |                |                      |            |                |
| 28     | fluoranthene                                                                                                                                                                           |                                                                  |                                                              |          | 3.7 mg/kg         |              | 2.997 mg/kg    | 0.0003 %             | ✓          |                |
|        |                                                                                                                                                                                        | 205-912-4                                                        | 206-44-0                                                     |          |                   |              |                |                      |            |                |
| 29     | pyrene                                                                                                                                                                                 |                                                                  |                                                              |          | 3.1 mg/kg         |              | 2.511 mg/kg    | 0.000251 %           | ✓          |                |
|        |                                                                                                                                                                                        | 204-927-3                                                        | 129-00-0                                                     |          |                   |              |                |                      |            |                |
| 30     | benzo[a]anthracene                                                                                                                                                                     |                                                                  |                                                              |          | 1.6 mg/kg         |              | 1.296 mg/kg    | 0.00013 %            | ✓          |                |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6                                                        | 56-55-3                                                      |          |                   |              |                |                      |            |                |
| 31     | chrysene                                                                                                                                                                               |                                                                  |                                                              |          | 1.8 mg/kg         |              | 1.458 mg/kg    | 0.000146 %           | ✓          |                |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4                                                        | 218-01-9                                                     |          |                   |              |                |                      |            |                |
| 32     | benzo[b]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 2 mg/kg           |              | 1.62 mg/kg     | 0.000162 %           | ✓          |                |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9                                                        | 205-99-2                                                     |          |                   |              |                |                      |            |                |
| 33     | benzo[k]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 0.89 mg/kg        |              | 0.721 mg/kg    | 0.0000721 %          | ✓          |                |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6                                                        | 207-08-9                                                     |          |                   |              |                |                      |            |                |
| 34     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |                                                                  |                                                              |          | 1.7 mg/kg         |              | 1.377 mg/kg    | 0.000138 %           | ✓          |                |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5                                                        | 50-32-8                                                      |          |                   |              |                |                      |            |                |
| 35     | indeno[123-cd]pyrene                                                                                                                                                                   |                                                                  |                                                              |          | 0.85 mg/kg        |              | 0.688 mg/kg    | 0.0000688 %          | ✓          |                |
|        |                                                                                                                                                                                        | 205-893-2                                                        | 193-39-5                                                     |          |                   |              |                |                      |            |                |
| 36     | dibenz[a,h]anthracene                                                                                                                                                                  |                                                                  |                                                              |          | 0.16 mg/kg        |              | 0.13 mg/kg     | 0.000013 %           | ✓          |                |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8                                                        | 53-70-3                                                      |          |                   |              |                |                      |            |                |
| 37     | benzo[ghi]perylene                                                                                                                                                                     |                                                                  |                                                              |          | 1 mg/kg           |              | 0.81 mg/kg     | 0.000081 %           | ✓          |                |
|        |                                                                                                                                                                                        | 205-883-8                                                        | 191-24-2                                                     |          |                   |              |                |                      |            |                |
| 38     | monohydric phenols                                                                                                                                                                     |                                                                  |                                                              |          | <1 mg/kg          |              | <1 mg/kg       | <0.0001 %            |            | <LOD           |
|        |                                                                                                                                                                                        |                                                                  | P1186                                                        |          |                   |              |                |                      |            |                |
| 39     | vanadium { divanadium pentaoxide; vanadium pentoxide }                                                                                                                                 |                                                                  |                                                              |          | 59 mg/kg          | 1.785        | 85.314 mg/kg   | 0.00853 %            | ✓          |                |
|        | 023-001-00-8                                                                                                                                                                           | 215-239-8                                                        | 1314-62-1                                                    |          |                   |              |                |                      |            |                |
| 40     | sulfur { sulfur }                                                                                                                                                                      |                                                                  |                                                              |          | <5 mg/kg          |              | <5 mg/kg       | <0.0005 %            |            | <LOD           |
|        | 016-094-00-1                                                                                                                                                                           | 231-722-6                                                        | 7704-34-9                                                    |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |                                                                  |                                                              |          |                   |              |                | 0.198 %              |            |                |



Key

|      |                                                                                                                                 |
|------|---------------------------------------------------------------------------------------------------------------------------------|
|      | User supplied data                                                                                                              |
|      | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|      | Determinand defined or amended by HazWasteOnline (see Appendix A)                                                               |
|      | Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| <LOD | Below limit of detection                                                                                                        |

Classification of sample: E--25112024-0.10

 **Non Hazardous Waste**  
**Classified as 17 05 04**  
**in the List of Waste**

### Sample details

|                                       |                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------|
| Sample name:                          | LoW Code:                                                                                 |
| <b>E--25112024-0.10</b>               | Chapter:                                                                                  |
| Moisture content:                     | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>18%</b><br>(wet weight correction) | Entry:                                                                                    |
|                                       | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

### Hazard properties

None identified

### Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                              |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|-------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                      | EC Number | CAS Number |          |                   |              |                |       |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                             |           |            |          | 15 mg/kg          | 1.32         | 16.24          | mg/kg | 0.00162 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4 | 1327-53-3  |          |                   |              |                |       |                      |            |                |
| 2  | beryllium { beryllium oxide }                                                                                                                            |           |            |          | 1.2 mg/kg         | 2.775        | 2.731          | mg/kg | 0.000273 %           | ✓          |                |
|    | 004-003-00-8                                                                                                                                             | 215-133-1 | 1304-56-9  |          |                   |              |                |       |                      |            |                |
| 3  | boron { diboron trioxide }                                                                                                                               |           |            |          | 2.7 mg/kg         | 3.22         | 7.129          | mg/kg | 0.000713 %           | ✓          |                |
|    | 005-008-00-8                                                                                                                                             | 215-125-8 | 1303-86-2  |          |                   |              |                |       |                      |            |                |
| 4  | cadmium { cadmium oxide }                                                                                                                                |           |            |          | 0.9 mg/kg         | 1.142        | 0.843          | mg/kg | 0.0000843 %          | ✓          |                |
|    | 048-002-00-0                                                                                                                                             | 215-146-2 | 1306-19-0  |          |                   |              |                |       |                      |            |                |
| 5  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |           |            |          | 38 mg/kg          | 1.462        | 55.539         | mg/kg | 0.00555 %            |            |                |
|    |                                                                                                                                                          | 215-160-9 | 1308-38-9  |          |                   |              |                |       |                      |            |                |
| 6  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <1.2 mg/kg        | 2.27         | <2.724         | mg/kg | <0.000272 %          |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |           |            |          |                   |              |                |       |                      |            |                |
| 7  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |           |            |          | 95 mg/kg          | 1.126        | 87.707         | mg/kg | 0.00877 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7 | 1317-39-1  |          |                   |              |                |       |                      |            |                |
| 8  | lead { lead chromate }                                                                                                                                   |           |            |          | 190 mg/kg         | 1.56         | 243.019        | mg/kg | 0.0243 %             | ✓          |                |
|    | 082-004-00-2                                                                                                                                             | 231-846-0 | 7758-97-6  |          |                   |              |                |       |                      |            |                |
| 9  | manganese { manganese sulphate }                                                                                                                         |           |            |          | 430 mg/kg         | 2.749        | 969.144        | mg/kg | 0.0969 %             | ✓          |                |
|    | 025-003-00-4                                                                                                                                             | 232-089-9 | 7785-87-7  |          |                   |              |                |       |                      |            |                |
| 10 | mercury { mercury dichloride }                                                                                                                           |           |            |          | <0.3 mg/kg        | 1.353        | <0.406         | mg/kg | <0.0000406 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8 | 7487-94-7  |          |                   |              |                |       |                      |            |                |
| 11 | nickel { nickel chromate }                                                                                                                               |           |            |          | 29 mg/kg          | 2.976        | 70.776         | mg/kg | 0.00708 %            | ✓          |                |
|    | 028-035-00-7                                                                                                                                             | 238-766-5 | 14721-18-7 |          |                   |              |                |       |                      |            |                |
| 12 | selenium { nickel selenate }                                                                                                                             |           |            |          | <1 mg/kg          | 2.554        | <2.554         | mg/kg | <0.000255 %          |            | <LOD           |
|    | 028-031-00-5                                                                                                                                             | 239-125-2 | 15060-62-5 |          |                   |              |                |       |                      |            |                |
| 13 | zinc { zinc oxide }                                                                                                                                      |           |            |          | 790 mg/kg         | 1.245        | 806.326        | mg/kg | 0.0806 %             | ✓          |                |
|    | 030-013-00-7                                                                                                                                             | 215-222-5 | 1314-13-2  |          |                   |              |                |       |                      |            |                |
| 14 | TPH (C6 to C40) petroleum group                                                                                                                          |           | TPH        |          | 10 mg/kg          |              | 8.2            | mg/kg | 0.00082 %            | ✓          |                |
|    |                                                                                                                                                          |           |            |          |                   |              |                |       |                      |            |                |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 603-181-00-X                                                                                                                                             | 216-653-1 | 1634-04-4  |          |                   |              |                |       |                      |            |                |
| 16 | benzene                                                                                                                                                  |           |            |          | <0.005 mg/kg      |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                             | 200-753-7 | 71-43-2    |          |                   |              |                |       |                      |            |                |

| #      | Determinand                                                                                                                                                                            |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | EU CLP index number                                                                                                                                                                    | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 17     | toluene                                                                                                                                                                                |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|        | 601-021-00-3                                                                                                                                                                           | 203-625-9                                                        | 108-88-3                                                     |          |                   |              |                |                      |            |                |
| 18     | ethylbenzene                                                                                                                                                                           |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|        | 601-023-00-4                                                                                                                                                                           | 202-849-4                                                        | 100-41-4                                                     |          |                   |              |                |                      |            |                |
| 19     | xylene                                                                                                                                                                                 |                                                                  |                                                              |          | <0.013 mg/kg      |              | <0.013 mg/kg   | <0.0000013 %         |            | <LOD           |
|        | 601-022-00-9                                                                                                                                                                           | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] |          |                   |              |                |                      |            |                |
| 20     | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } |                                                                  |                                                              |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |                                                                  |                                                              |          |                   |              |                |                      |            |                |
| 21     | pH                                                                                                                                                                                     |                                                                  |                                                              |          | 7.4 pH            |              | 7.4 pH         | 7.4 pH               |            |                |
|        |                                                                                                                                                                                        |                                                                  | PH                                                           |          |                   |              |                |                      |            |                |
| 22     | naphthalene                                                                                                                                                                            |                                                                  |                                                              |          | 0.07 mg/kg        |              | 0.0574 mg/kg   | 0.00000574 %         | ✓          |                |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5                                                        | 91-20-3                                                      |          |                   |              |                |                      |            |                |
| 23     | acenaphthylene                                                                                                                                                                         |                                                                  |                                                              |          | 0.07 mg/kg        |              | 0.0574 mg/kg   | 0.00000574 %         | ✓          |                |
|        |                                                                                                                                                                                        | 205-917-1                                                        | 208-96-8                                                     |          |                   |              |                |                      |            |                |
| 24     | acenaphthene                                                                                                                                                                           |                                                                  |                                                              |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6                                                        | 83-32-9                                                      |          |                   |              |                |                      |            |                |
| 25     | fluorene                                                                                                                                                                               |                                                                  |                                                              |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5                                                        | 86-73-7                                                      |          |                   |              |                |                      |            |                |
| 26     | phenanthrene                                                                                                                                                                           |                                                                  |                                                              |          | 0.57 mg/kg        |              | 0.467 mg/kg    | 0.0000467 %          | ✓          |                |
|        |                                                                                                                                                                                        | 201-581-5                                                        | 85-01-8                                                      |          |                   |              |                |                      |            |                |
| 27     | anthracene                                                                                                                                                                             |                                                                  |                                                              |          | 0.09 mg/kg        |              | 0.0738 mg/kg   | 0.00000738 %         | ✓          |                |
|        |                                                                                                                                                                                        | 204-371-1                                                        | 120-12-7                                                     |          |                   |              |                |                      |            |                |
| 28     | fluoranthene                                                                                                                                                                           |                                                                  |                                                              |          | 1.8 mg/kg         |              | 1.476 mg/kg    | 0.000148 %           | ✓          |                |
|        |                                                                                                                                                                                        | 205-912-4                                                        | 206-44-0                                                     |          |                   |              |                |                      |            |                |
| 29     | pyrene                                                                                                                                                                                 |                                                                  |                                                              |          | 1.6 mg/kg         |              | 1.312 mg/kg    | 0.000131 %           | ✓          |                |
|        |                                                                                                                                                                                        | 204-927-3                                                        | 129-00-0                                                     |          |                   |              |                |                      |            |                |
| 30     | benzo[a]anthracene                                                                                                                                                                     |                                                                  |                                                              |          | 0.89 mg/kg        |              | 0.73 mg/kg     | 0.000073 %           | ✓          |                |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6                                                        | 56-55-3                                                      |          |                   |              |                |                      |            |                |
| 31     | chrysene                                                                                                                                                                               |                                                                  |                                                              |          | 1 mg/kg           |              | 0.82 mg/kg     | 0.000082 %           | ✓          |                |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4                                                        | 218-01-9                                                     |          |                   |              |                |                      |            |                |
| 32     | benzo[b]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 1.2 mg/kg         |              | 0.984 mg/kg    | 0.0000984 %          | ✓          |                |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9                                                        | 205-99-2                                                     |          |                   |              |                |                      |            |                |
| 33     | benzo[k]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 0.58 mg/kg        |              | 0.476 mg/kg    | 0.0000476 %          | ✓          |                |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6                                                        | 207-08-9                                                     |          |                   |              |                |                      |            |                |
| 34     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |                                                                  |                                                              |          | 1.1 mg/kg         |              | 0.902 mg/kg    | 0.0000902 %          | ✓          |                |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5                                                        | 50-32-8                                                      |          |                   |              |                |                      |            |                |
| 35     | indeno[123-cd]pyrene                                                                                                                                                                   |                                                                  |                                                              |          | 0.59 mg/kg        |              | 0.484 mg/kg    | 0.0000484 %          | ✓          |                |
|        |                                                                                                                                                                                        | 205-893-2                                                        | 193-39-5                                                     |          |                   |              |                |                      |            |                |
| 36     | dibenz[a,h]anthracene                                                                                                                                                                  |                                                                  |                                                              |          | 0.09 mg/kg        |              | 0.0738 mg/kg   | 0.00000738 %         | ✓          |                |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8                                                        | 53-70-3                                                      |          |                   |              |                |                      |            |                |
| 37     | benzo[ghi]perylene                                                                                                                                                                     |                                                                  |                                                              |          | 0.67 mg/kg        |              | 0.549 mg/kg    | 0.0000549 %          | ✓          |                |
|        |                                                                                                                                                                                        | 205-883-8                                                        | 191-24-2                                                     |          |                   |              |                |                      |            |                |
| 38     | monohydric phenols                                                                                                                                                                     |                                                                  |                                                              |          | <1 mg/kg          |              | <1 mg/kg       | <0.0001 %            |            | <LOD           |
|        |                                                                                                                                                                                        |                                                                  | P1186                                                        |          |                   |              |                |                      |            |                |
| 39     | vanadium { divanadium pentaoxide; vanadium pentoxide }                                                                                                                                 |                                                                  |                                                              |          | 51 mg/kg          | 1.785        | 74.656 mg/kg   | 0.00747 %            | ✓          |                |
|        | 023-001-00-8                                                                                                                                                                           | 215-239-8                                                        | 1314-62-1                                                    |          |                   |              |                |                      |            |                |
| 40     | sulfur { sulfur }                                                                                                                                                                      |                                                                  |                                                              |          | <5 mg/kg          |              | <5 mg/kg       | <0.0005 %            |            | <LOD           |
|        | 016-094-00-1                                                                                                                                                                           | 231-722-6                                                        | 7704-34-9                                                    |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |                                                                  |                                                              |          |                   |              |                | 0.236 %              |            |                |

Key

|      |                                                                                                                                 |
|------|---------------------------------------------------------------------------------------------------------------------------------|
|      | User supplied data                                                                                                              |
|      | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|      | Determinand defined or amended by HazWasteOnline (see Appendix A)                                                               |
|      | Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| <LOD | Below limit of detection                                                                                                        |

### Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 12500 mg/kg (1.25%)  
because: example given in WM3

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00082%)

**Classification of sample: F--25112024-0.10**

 **Non Hazardous Waste**  
 Classified as **17 05 04**  
 in the List of Waste

**Sample details**

|                                       |                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------|
| Sample name:                          | LoW Code:                                                                                          |
| <b>F--25112024-0.10</b>               | Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| Moisture content:                     | Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                           |
| <b>23%</b><br>(wet weight correction) |                                                                                                    |

**Hazard properties**

None identified

**Determinands**

Moisture content: 23% Wet Weight Moisture Correction applied (MC)

| #  |                                                                                     | Determinand                                                                                                                                              |           |            | CLP Note | User entered data | Conv. Factor | Compound conc.     | Classification value | MC Applied | Conc. Not Used |
|----|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|--------------------|----------------------|------------|----------------|
|    |                                                                                     | EU CLP index number                                                                                                                                      | EC Number | CAS Number |          |                   |              |                    |                      |            |                |
| 1  |  | arsenic { arsenic trioxide }                                                                                                                             |           |            |          | 13      mg/kg     | 1.32         | 13.216      mg/kg  | 0.00132 %            | ✓          |                |
|    |                                                                                     | 033-003-00-0                                                                                                                                             | 215-481-4 | 1327-53-3  |          |                   |              |                    |                      |            |                |
| 2  |  | beryllium { beryllium oxide }                                                                                                                            |           |            |          | 1.2      mg/kg    | 2.775        | 2.564      mg/kg   | 0.000256 %           | ✓          |                |
|    |                                                                                     | 004-003-00-8                                                                                                                                             | 215-133-1 | 1304-56-9  |          |                   |              |                    |                      |            |                |
| 3  |  | boron { diboron trioxide }                                                                                                                               |           |            |          | 3      mg/kg      | 3.22         | 7.438      mg/kg   | 0.000744 %           | ✓          |                |
|    |                                                                                     | 005-008-00-8                                                                                                                                             | 215-125-8 | 1303-86-2  |          |                   |              |                    |                      |            |                |
| 4  |  | cadmium { cadmium oxide }                                                                                                                                |           |            |          | 0.8      mg/kg    | 1.142        | 0.704      mg/kg   | 0.0000704 %          | ✓          |                |
|    |                                                                                     | 048-002-00-0                                                                                                                                             | 215-146-2 | 1306-19-0  |          |                   |              |                    |                      |            |                |
| 5  |  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |           |            |          | 30      mg/kg     | 1.462        | 43.847      mg/kg  | 0.00438 %            |            |                |
|    |                                                                                     |                                                                                                                                                          | 215-160-9 | 1308-38-9  |          |                   |              |                    |                      |            |                |
| 6  |  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <1.2      mg/kg   | 2.27         | <2.724      mg/kg  | <0.000272 %          |            | <LOD           |
|    |                                                                                     | 024-017-00-8                                                                                                                                             |           |            |          |                   |              |                    |                      |            |                |
| 7  |  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |           |            |          | 61      mg/kg     | 1.126        | 52.883      mg/kg  | 0.00529 %            | ✓          |                |
|    |                                                                                     | 029-002-00-X                                                                                                                                             | 215-270-7 | 1317-39-1  |          |                   |              |                    |                      |            |                |
| 8  |  | lead { lead chromate }                                                                                                                                   |           |            |          | 150      mg/kg    | 1.56         | 180.159      mg/kg | 0.018 %              | ✓          |                |
|    |                                                                                     | 082-004-00-2                                                                                                                                             | 231-846-0 | 7758-97-6  |          |                   |              |                    |                      |            |                |
| 9  |  | manganese { manganese sulphate }                                                                                                                         |           |            |          | 440      mg/kg    | 2.749        | 931.213      mg/kg | 0.0931 %             | ✓          |                |
|    |                                                                                     | 025-003-00-4                                                                                                                                             | 232-089-9 | 7785-87-7  |          |                   |              |                    |                      |            |                |
| 10 |  | mercury { mercury dichloride }                                                                                                                           |           |            |          | <0.3      mg/kg   | 1.353        | <0.406      mg/kg  | <0.0000406 %         |            | <LOD           |
|    |                                                                                     | 080-010-00-X                                                                                                                                             | 231-299-8 | 7487-94-7  |          |                   |              |                    |                      |            |                |
| 11 |  | nickel { nickel chromate }                                                                                                                               |           |            |          | 28      mg/kg     | 2.976        | 64.168      mg/kg  | 0.00642 %            | ✓          |                |
|    |                                                                                     | 028-035-00-7                                                                                                                                             | 238-766-5 | 14721-18-7 |          |                   |              |                    |                      |            |                |
| 12 |  | selenium { nickel selenate }                                                                                                                             |           |            |          | <1      mg/kg     | 2.554        | <2.554      mg/kg  | <0.000255 %          |            | <LOD           |
|    |                                                                                     | 028-031-00-5                                                                                                                                             | 239-125-2 | 15060-62-5 |          |                   |              |                    |                      |            |                |
| 13 |  | zinc { zinc oxide }                                                                                                                                      |           |            |          | 300      mg/kg    | 1.245        | 287.529      mg/kg | 0.0288 %             | ✓          |                |
|    |                                                                                     | 030-013-00-7                                                                                                                                             | 215-222-5 | 1314-13-2  |          |                   |              |                    |                      |            |                |
| 14 |  | TPH (C6 to C40) petroleum group                                                                                                                          |           |            |          | <20      mg/kg    |              | <20      mg/kg     | <0.002 %             |            | <LOD           |
|    |                                                                                     |                                                                                                                                                          |           | TPH        |          |                   |              |                    |                      |            |                |
| 15 |                                                                                     | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane                                                                                                 |           |            |          | <0.005      mg/kg |              | <0.005      mg/kg  | <0.0000005 %         |            | <LOD           |
|    |                                                                                     | 603-181-00-X                                                                                                                                             | 216-653-1 | 1634-04-4  |          |                   |              |                    |                      |            |                |
| 16 |                                                                                     | benzene                                                                                                                                                  |           |            |          | <0.005      mg/kg |              | <0.005      mg/kg  | <0.0000005 %         |            | <LOD           |
|    |                                                                                     | 601-020-00-8                                                                                                                                             | 200-753-7 | 71-43-2    |          |                   |              |                    |                      |            |                |

| #      | Determinand                                                                                                                                                                            |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | EU CLP index number                                                                                                                                                                    | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 17     | toluene                                                                                                                                                                                |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|        | 601-021-00-3                                                                                                                                                                           | 203-625-9                                                        | 108-88-3                                                     |          |                   |              |                |                      |            |                |
| 18     | ethylbenzene                                                                                                                                                                           |                                                                  |                                                              |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|        | 601-023-00-4                                                                                                                                                                           | 202-849-4                                                        | 100-41-4                                                     |          |                   |              |                |                      |            |                |
| 19     | xylene                                                                                                                                                                                 |                                                                  |                                                              |          | <0.013 mg/kg      |              | <0.013 mg/kg   | <0.0000013 %         |            | <LOD           |
|        | 601-022-00-9                                                                                                                                                                           | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] |          |                   |              |                |                      |            |                |
| 20     | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } |                                                                  |                                                              |          | <1 mg/kg          | 1.884        | <1.884 mg/kg   | <0.000188 %          |            | <LOD           |
|        | 006-007-00-5                                                                                                                                                                           |                                                                  |                                                              |          |                   |              |                |                      |            |                |
| 21     | pH                                                                                                                                                                                     |                                                                  |                                                              |          | 7.3 pH            |              | 7.3 pH         | 7.3 pH               |            |                |
|        |                                                                                                                                                                                        |                                                                  | PH                                                           |          |                   |              |                |                      |            |                |
| 22     | naphthalene                                                                                                                                                                            |                                                                  |                                                              |          | 0.1 mg/kg         |              | 0.077 mg/kg    | 0.0000077 %          | ✓          |                |
|        | 601-052-00-2                                                                                                                                                                           | 202-049-5                                                        | 91-20-3                                                      |          |                   |              |                |                      |            |                |
| 23     | acenaphthylene                                                                                                                                                                         |                                                                  |                                                              |          | 0.06 mg/kg        |              | 0.0462 mg/kg   | 0.00000462 %         | ✓          |                |
|        |                                                                                                                                                                                        | 205-917-1                                                        | 208-96-8                                                     |          |                   |              |                |                      |            |                |
| 24     | acenaphthene                                                                                                                                                                           |                                                                  |                                                              |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-469-6                                                        | 83-32-9                                                      |          |                   |              |                |                      |            |                |
| 25     | fluorene                                                                                                                                                                               |                                                                  |                                                              |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
|        |                                                                                                                                                                                        | 201-695-5                                                        | 86-73-7                                                      |          |                   |              |                |                      |            |                |
| 26     | phenanthrene                                                                                                                                                                           |                                                                  |                                                              |          | 0.59 mg/kg        |              | 0.454 mg/kg    | 0.0000454 %          | ✓          |                |
|        |                                                                                                                                                                                        | 201-581-5                                                        | 85-01-8                                                      |          |                   |              |                |                      |            |                |
| 27     | anthracene                                                                                                                                                                             |                                                                  |                                                              |          | 0.14 mg/kg        |              | 0.108 mg/kg    | 0.0000108 %          | ✓          |                |
|        |                                                                                                                                                                                        | 204-371-1                                                        | 120-12-7                                                     |          |                   |              |                |                      |            |                |
| 28     | fluoranthene                                                                                                                                                                           |                                                                  |                                                              |          | 1.8 mg/kg         |              | 1.386 mg/kg    | 0.000139 %           | ✓          |                |
|        |                                                                                                                                                                                        | 205-912-4                                                        | 206-44-0                                                     |          |                   |              |                |                      |            |                |
| 29     | pyrene                                                                                                                                                                                 |                                                                  |                                                              |          | 1.6 mg/kg         |              | 1.232 mg/kg    | 0.000123 %           | ✓          |                |
|        |                                                                                                                                                                                        | 204-927-3                                                        | 129-00-0                                                     |          |                   |              |                |                      |            |                |
| 30     | benzo[a]anthracene                                                                                                                                                                     |                                                                  |                                                              |          | 0.87 mg/kg        |              | 0.67 mg/kg     | 0.000067 %           | ✓          |                |
|        | 601-033-00-9                                                                                                                                                                           | 200-280-6                                                        | 56-55-3                                                      |          |                   |              |                |                      |            |                |
| 31     | chrysene                                                                                                                                                                               |                                                                  |                                                              |          | 0.87 mg/kg        |              | 0.67 mg/kg     | 0.000067 %           | ✓          |                |
|        | 601-048-00-0                                                                                                                                                                           | 205-923-4                                                        | 218-01-9                                                     |          |                   |              |                |                      |            |                |
| 32     | benzo[b]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 1.3 mg/kg         |              | 1.001 mg/kg    | 0.0001 %             | ✓          |                |
|        | 601-034-00-4                                                                                                                                                                           | 205-911-9                                                        | 205-99-2                                                     |          |                   |              |                |                      |            |                |
| 33     | benzo[k]fluoranthene                                                                                                                                                                   |                                                                  |                                                              |          | 0.53 mg/kg        |              | 0.408 mg/kg    | 0.0000408 %          | ✓          |                |
|        | 601-036-00-5                                                                                                                                                                           | 205-916-6                                                        | 207-08-9                                                     |          |                   |              |                |                      |            |                |
| 34     | benzo[a]pyrene; benzo[def]chrysene                                                                                                                                                     |                                                                  |                                                              |          | 1 mg/kg           |              | 0.77 mg/kg     | 0.000077 %           | ✓          |                |
|        | 601-032-00-3                                                                                                                                                                           | 200-028-5                                                        | 50-32-8                                                      |          |                   |              |                |                      |            |                |
| 35     | indeno[123-cd]pyrene                                                                                                                                                                   |                                                                  |                                                              |          | 0.55 mg/kg        |              | 0.424 mg/kg    | 0.0000424 %          | ✓          |                |
|        |                                                                                                                                                                                        | 205-893-2                                                        | 193-39-5                                                     |          |                   |              |                |                      |            |                |
| 36     | dibenz[a,h]anthracene                                                                                                                                                                  |                                                                  |                                                              |          | 0.11 mg/kg        |              | 0.0847 mg/kg   | 0.00000847 %         | ✓          |                |
|        | 601-041-00-2                                                                                                                                                                           | 200-181-8                                                        | 53-70-3                                                      |          |                   |              |                |                      |            |                |
| 37     | benzo[ghi]perylene                                                                                                                                                                     |                                                                  |                                                              |          | 0.59 mg/kg        |              | 0.454 mg/kg    | 0.0000454 %          | ✓          |                |
|        |                                                                                                                                                                                        | 205-883-8                                                        | 191-24-2                                                     |          |                   |              |                |                      |            |                |
| 38     | monohydric phenols                                                                                                                                                                     |                                                                  |                                                              |          | <1 mg/kg          |              | <1 mg/kg       | <0.0001 %            |            | <LOD           |
|        |                                                                                                                                                                                        |                                                                  | P1186                                                        |          |                   |              |                |                      |            |                |
| 39     | vanadium { divanadium pentaoxide; vanadium pentoxide }                                                                                                                                 |                                                                  |                                                              |          | 48 mg/kg          | 1.785        | 65.98 mg/kg    | 0.0066 %             | ✓          |                |
|        | 023-001-00-8                                                                                                                                                                           | 215-239-8                                                        | 1314-62-1                                                    |          |                   |              |                |                      |            |                |
| 40     | sulfur { sulfur }                                                                                                                                                                      |                                                                  |                                                              |          | <5 mg/kg          |              | <5 mg/kg       | <0.0005 %            |            | <LOD           |
|        | 016-094-00-1                                                                                                                                                                           | 231-722-6                                                        | 7704-34-9                                                    |          |                   |              |                |                      |            |                |
| Total: |                                                                                                                                                                                        |                                                                  |                                                              |          |                   |              |                | 0.169 %              |            |                |



Key

|      |                                                                                                                                 |
|------|---------------------------------------------------------------------------------------------------------------------------------|
|      | User supplied data                                                                                                              |
|      | Determinand values ignored for classification, see column 'Conc. Not Used' for reason                                           |
|      | Determinand defined or amended by HazWasteOnline (see Appendix A)                                                               |
|      | Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| <LOD | Below limit of detection                                                                                                        |

## Appendix A: Classifier defined and non GB MCL determinands

### ■ **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H332, Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Resp. Sens. 1; H334, Skin Sens. 1; H317, Repr. 1B; H360FD, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

### ■ **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226, Asp. Tox. 1; H304, STOT RE 2; H373, Muta. 1B; H340, Carc. 1B; H350, Repr. 2; H361d, Aquatic Chronic 2; H411

### ■ **ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

### ■ **salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex**

GB MCL index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

### ■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

### ■ **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H302, Acute Tox. 1; H330, Acute Tox. 1; H310, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315

### ■ **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Aquatic Chronic 2; H411

### ■ **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1; H400, Aquatic Chronic 1; H410

### ■ **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Carc. 2; H351, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Skin Irrit. 2; H315

### ■ **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

■ **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database  
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 21 Aug 2015  
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014  
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 21 Aug 2015  
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database  
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 06 Aug 2015  
Hazard Statements: Carc. 2; H351

■ **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015  
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 23 Jul 2015  
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)  
Data source: CLP combined data  
Data source date: 26 Mar 2019  
Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds (edit as required)

### beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics (edit as required)

### boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass (edit as required)

### cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

### chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass (edit as required)

### chromium in chromium(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species based on hazard statements/molecular weight (edit as required)

### copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. (edit as required) Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected. (edit as required)

### lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**manganese {manganese sulphate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**mercury {mercury dichloride}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**nickel {nickel chromate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**selenium {nickel selenate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**zinc {zinc oxide}**

Site has historically been residential in nature with no specific industrial processes

**cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}**

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide] (edit as required)

**vanadium {divanadium pentaoxide; vanadium pentoxide}**

worst case

**sulfur {sulfur}**

worst case

**Appendix C: Version**

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**

HazWasteOnline Classification Engine Version: 2024.341.6398.11690 (07 Dec 2024)

HazWasteOnline Database: 2024.341.6398.11690 (07 Dec 2024)

This classification utilises the following guidance and legislation:

**WM3 v1.2.GB - Waste Classification** - 1st Edition v1.2.GB - Oct 2021

**CLP Regulation** - Regulation 1272/2008/EC of 16 December 2008

**1st ATP** - Regulation 790/2009/EC of 10 August 2009

**2nd ATP** - Regulation 286/2011/EC of 10 March 2011

**3rd ATP** - Regulation 618/2012/EU of 10 July 2012

**4th ATP** - Regulation 487/2013/EU of 8 May 2013

**Correction to 1st ATP** - Regulation 758/2013/EU of 7 August 2013

**5th ATP** - Regulation 944/2013/EU of 2 October 2013

**6th ATP** - Regulation 605/2014/EU of 5 June 2014

**WFD Annex III replacement** - Regulation 1357/2014/EU of 18 December 2014

**Revised List of Waste 2014** - Decision 2014/955/EU of 18 December 2014

**7th ATP** - Regulation 2015/1221/EU of 24 July 2015

**8th ATP** - Regulation (EU) 2016/918 of 19 May 2016

**9th ATP** - Regulation (EU) 2016/1179 of 19 July 2016

**10th ATP** - Regulation (EU) 2017/776 of 4 May 2017

**HP14 amendment** - Regulation (EU) 2017/997 of 8 June 2017

**13th ATP** - Regulation (EU) 2018/1480 of 4 October 2018

**14th ATP** - Regulation (EU) 2020/217 of 4 October 2019

**15th ATP** - Regulation (EU) 2020/1182 of 19 May 2020

**The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)**

**Regulations 2020** - UK: 2020 No. 1567 of 16th December 2020

**The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1540 of 16th December 2020

**GB MCL List** - version 1.1 of 09 June 2021

**GB MCL List v2.0** - version 2.0 of 20th October 2023

**GB MCL List v3.0** - version 3.0 of 11th January 2024

**GB MCL List v4.0** - version 4.0 of 2nd March 2024

**GB MCL List v5.0** - version 5.0 of 26th June 2024