

## **APPENDIX B - EXPLORATORY HOLE LOGS**



# Borehole Log

Borehole No.

**CP1**

Sheet 1 of 2

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
CP

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 09/04/2021 -

Logged By  
ER

| Well | Water Strikes | Samples and In Situ Testing |      |                      | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                               |    |
|------|---------------|-----------------------------|------|----------------------|-----------|-----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               | Depth (m)                   | Type | Results              |           |           |        |                                                                                                                                                                                   |    |
|      |               | 0.10                        | ES   | N=18 (3,3/4,4,4,6)   | 0.23      |           |        | Dark brown, sandy, slightly gravelly, very clayey TOPSOIL. Sand is fine to coarse, gravel is fine to coarse, angular to subrounded of sandstone, limestone and quartz.<br>TOPSOIL | 1  |
|      |               | 0.40                        | D    |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 0.80                        | ES   |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 1.00                        | D    |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 1.20                        | SPTL |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 1.20                        | S    |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 1.70                        | B    | N=39 (4,4/7,8,11,13) |           |           |        | Firm, dark brown, slightly gravelly CLAY. Gravel is fine to coarse, angular to rounded of coal, sandstone and quartz.<br>COHESIVE TILL                                            | 2  |
|      |               | 2.00                        | ES   |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 2.30                        | SPTL |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 2.30                        | S    |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 2.70                        | B    |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 3.30                        | SPTL | N=24 (4,5/5,5,7,7)   | 3.10      |           |        | Stiff, dark brown, slightly gravelly CLAY. Gravel is subangular to rounded, fine to coarse of mudstone, sandstone, limestone and occasional igneous lithologies.<br>COHESIVE TILL | 3  |
|      |               | 3.30                        | S    |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 4.50                        | SPTL | N=21 (3,4/4,5,6,6)   |           |           |        |                                                                                                                                                                                   | 4  |
|      |               | 4.50                        | S    |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 5.10                        | ES   | N=23 (4,4/4,6,6,7)   |           |           |        |                                                                                                                                                                                   | 5  |
|      |               | 5.50                        | SPTL |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 5.50                        | S    |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 7.00                        | SPTL | N=19 (3,3/4,4,5,6)   |           |           |        |                                                                                                                                                                                   | 7  |
|      |               | 7.00                        | S    |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 8.30                        | ES   | N=24 (3,5/5,5,6,8)   |           |           |        |                                                                                                                                                                                   | 8  |
|      |               | 8.50                        | SPTL |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 8.50                        | S    |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               | 9.50                        |      | N=28 (4,5/5,7,8,8)   |           |           |        |                                                                                                                                                                                   | 9  |
|      |               | 9.80                        |      |                      |           |           |        |                                                                                                                                                                                   |    |
|      |               |                             |      |                      |           |           |        |                                                                                                                                                                                   | 10 |

Continued on next sheet

## Remarks

1) Hand dug pit 1.20m bgl for service clearance purposes. 2) Terminated at target depth. 3) No. groundwater ingress encountered.





# Borehole Log

Borehole No.

**CP1**

Sheet 2 of 2

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
CP

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 09/04/2021 -

Logged By  
ER

| Well | Water Strikes | Samples and In Situ Testing |      |         | Depth (m) | Level (m) | Legend | Stratum Description        |    |
|------|---------------|-----------------------------|------|---------|-----------|-----------|--------|----------------------------|----|
|      |               | Depth (m)                   | Type | Results |           |           |        |                            |    |
|      |               |                             |      |         | 10.25     |           |        | End of borehole at 10.25 m |    |
|      |               |                             |      |         |           |           |        |                            | 11 |
|      |               |                             |      |         |           |           |        |                            | 12 |
|      |               |                             |      |         |           |           |        |                            | 13 |
|      |               |                             |      |         |           |           |        |                            | 14 |
|      |               |                             |      |         |           |           |        |                            | 15 |
|      |               |                             |      |         |           |           |        |                            | 16 |
|      |               |                             |      |         |           |           |        |                            | 17 |
|      |               |                             |      |         |           |           |        |                            | 18 |
|      |               |                             |      |         |           |           |        |                            | 19 |
|      |               |                             |      |         |           |           |        |                            | 20 |

## Remarks

1) Hand dug pit 1.20m bgl for service clearance purposes. 2) Terminated at target depth. 3) No. groundwater ingress encountered.





# Borehole Log

Borehole No.

**CP2**

Sheet 1 of 2

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
CP

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 09/04/2021 -

Logged By

| Well | Water Strikes | Samples and In Situ Testing |      |                      | Depth (m) | Level (m) | Legend                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stratum Description |   |
|------|---------------|-----------------------------|------|----------------------|-----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---|
|      |               | Depth (m)                   | Type | Results              |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               | 0.10                        | ES   | N=23 (2,2/4,4,7,8)   | 2.70      |           | Dark brown, clayey, slightly gravelly TOPSOIL. Gravel is fine to coarse, angular to subrounded of limestone, sandstone and clods of clay. TOPSOIL<br>Firm, brown, slightly sandy, slightly gravelly CLAY. Sand is fine, gravel is fine to coarse of sandstone, mudstone and coal. COHESIVE TILL<br><br>Stiff, brown, slightly sandy, slightly gravelly CLAY. Sand is fine, gravel is fine to coarse of sandstone, mudstone and coal. COHESIVE TILL | 1                   |   |
|      |               | 0.20                        | D    |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               | 0.70                        | D    |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               | 1.20                        | SPTL | N=35 (4,6/7,8,10,10) |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     | 2 |
|      |               | 1.20                        | S    |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               | 1.40                        | ES   |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               | 1.50                        | D    |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               | 2.10                        | SPTL | N=38 (5,5/7,8,11,12) |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     | 3 |
|      |               | 2.10                        | S    |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               | 3.30                        | SPTL | N=25 (4,4/4,6,7,8)   |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     | 4 |
|      |               | 3.30                        | S    |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               | 4.30                        | SPTL | 18 (4,4/5,5,,8)      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     | 5 |
|      |               | 4.30                        | S    |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               | 4.90                        | ES   |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     | 6 |
| 5.00 | B             |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
| 5.40 | SPTL          |                             | 7    |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
| 5.40 | S             |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
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| 7.10 | SPTL          |                             | 8    |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      | S             |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
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| 7.70 | B             |                             | 9    |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
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| 8.30 | ES            |                             | 10   |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
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|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |
|      |               |                             |      |                      |           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |   |

Continued on next sheet

10

## Remarks

1) Hand dug pit 1.20m bgl for service clearance purposes. 2) Terminated at target depth. 3) No. groundwater ingress encountered.





# Borehole Log

Borehole No.

**CP2**

Sheet 2 of 2

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
CP

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 09/04/2021 -

Logged By

| Well | Water Strikes | Samples and In Situ Testing |           |                    | Depth (m) | Level (m) | Legend | Stratum Description        |    |
|------|---------------|-----------------------------|-----------|--------------------|-----------|-----------|--------|----------------------------|----|
|      |               | Depth (m)                   | Type      | Results            |           |           |        |                            |    |
|      |               | 10.00<br>10.00              | SPTL<br>S | N=23 (3,3/6,5,6,6) | 10.45     |           |        | End of borehole at 10.45 m |    |
|      |               |                             |           |                    |           |           |        |                            | 11 |
|      |               |                             |           |                    |           |           |        |                            | 12 |
|      |               |                             |           |                    |           |           |        |                            | 13 |
|      |               |                             |           |                    |           |           |        |                            | 14 |
|      |               |                             |           |                    |           |           |        |                            | 15 |
|      |               |                             |           |                    |           |           |        |                            | 16 |
|      |               |                             |           |                    |           |           |        |                            | 17 |
|      |               |                             |           |                    |           |           |        |                            | 18 |
|      |               |                             |           |                    |           |           |        |                            | 19 |
|      |               |                             |           |                    |           |           |        |                            | 20 |

## Remarks

1) Hand dug pit 1.20m bgl for service clearance purposes. 2) Terminated at target depth. 3) No. groundwater ingress encountered.





# Borehole Log

Borehole No.

**CP3**

Sheet 1 of 2

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
CP

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 10/04/2021 -

Logged By  
ER

| Well | Water Strikes | Samples and In Situ Testing |           |                      | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                                                                  |    |
|------|---------------|-----------------------------|-----------|----------------------|-----------|-----------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               | Depth (m)                   | Type      | Results              |           |           |        |                                                                                                                                                                                                                      |    |
|      |               | 0.20<br>0.25                | D<br>ES   |                      | 0.38      |           |        | Dark brown, slightly gravelly, clayey TOPSOIL. Gravel is fine to coarse, angular to subrounded of coal, mudstone and quartz.                                                                                         |    |
|      |               | 0.70<br>0.70                | D<br>ES   |                      |           |           |        | TOPSOIL<br>Firm, brown, slightly sandy, slightly gravelly CLAY. Sand is fine, gravel is fine to coarse, subangular to rounded of mudstone, sandstone, coal, quartz and occasional igneous lithologies. COHESIVE TILL | 1  |
|      |               | 1.20<br>1.20                | SPTL<br>S | N=18 (3,3/4,4,5,5)   |           |           |        |                                                                                                                                                                                                                      | 2  |
|      |               | 2.30<br>2.30                | SPTL<br>S | N=37 (4,5/7,9,10,11) | 2.75      |           |        |                                                                                                                                                                                                                      |    |
|      |               | 2.80<br>2.90                | B<br>ES   |                      |           |           |        | Stiff, brown, slightly sandy, slightly gravelly CLAY. Sand is fine, gravel is fine to coarse, subangular to rounded of mudstone, sandstone, coal, quartz and occasional igneous lithologies. COHESIVE TILL           | 3  |
|      |               | 3.30<br>3.30                | SPTL<br>S | N=39 (3,4/6,8,11,14) |           |           |        |                                                                                                                                                                                                                      | 4  |
|      |               | 4.30<br>4.30                | SPTL<br>S | 15 (3,4/4,5,,6)      |           |           |        |                                                                                                                                                                                                                      | 5  |
|      |               | 4.70                        | ES        |                      |           |           |        |                                                                                                                                                                                                                      | 6  |
|      |               | 5.10                        | B         |                      |           |           |        |                                                                                                                                                                                                                      | 7  |
|      |               | 6.40<br>6.40                | SPTL<br>S | N=41 (4,5/7,8,11,15) |           |           |        |                                                                                                                                                                                                                      | 8  |
|      |               | 7.10<br>7.10                | SPTL<br>S | N=29 (3,3/5,8,8,8)   |           |           |        |                                                                                                                                                                                                                      | 9  |
|      |               | 8.00                        | ES        |                      |           |           |        |                                                                                                                                                                                                                      | 10 |
|      |               | 8.50<br>8.50                | SPTL<br>S | N=40 (4,5/7,8,12,13) |           |           |        |                                                                                                                                                                                                                      |    |
|      |               | 9.90                        |           | N=21 (2,3/4,5,6,6)   |           |           |        |                                                                                                                                                                                                                      |    |

Continued on next sheet

## Remarks

1) Hand dug pit 1.20m bgl for service clearance purposes. 2) Terminated at target depth. 3) No. groundwater ingress encountered.





# Borehole Log

Borehole No.

**CP3**

Sheet 2 of 2

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
CP

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 10/04/2021 -

Logged By  
ER

| Well | Water Strikes | Samples and In Situ Testing |      |         | Depth (m) | Level (m) | Legend | Stratum Description        |    |
|------|---------------|-----------------------------|------|---------|-----------|-----------|--------|----------------------------|----|
|      |               | Depth (m)                   | Type | Results |           |           |        |                            |    |
|      |               |                             |      |         | 10.35     |           |        | End of borehole at 10.35 m |    |
|      |               |                             |      |         |           |           |        |                            | 11 |
|      |               |                             |      |         |           |           |        |                            | 12 |
|      |               |                             |      |         |           |           |        |                            | 13 |
|      |               |                             |      |         |           |           |        |                            | 14 |
|      |               |                             |      |         |           |           |        |                            | 15 |
|      |               |                             |      |         |           |           |        |                            | 16 |
|      |               |                             |      |         |           |           |        |                            | 17 |
|      |               |                             |      |         |           |           |        |                            | 18 |
|      |               |                             |      |         |           |           |        |                            | 19 |
|      |               |                             |      |         |           |           |        |                            | 20 |

## Remarks

1) Hand dug pit 1.20m bgl for service clearance purposes. 2) Terminated at target depth. 3) No. groundwater ingress encountered.





# Borehole Log

Borehole No.

**WS1**

Sheet 1 of 1

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
WS

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 06/04/2021 -

Logged By  
ER

| Well | Water Strikes | Samples and In Situ Testing |           |                           | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                                 |    |
|------|---------------|-----------------------------|-----------|---------------------------|-----------|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               | Depth (m)                   | Type      | Results                   |           |           |        |                                                                                                                                                                                     |    |
|      |               | 0.28                        |           |                           | 0.28      |           |        | Dark brown, sandy, slightly gravelly, slightly clayey TOPSOIL. Sand is fine to coarse. Gravel is fine to medium, subangular to subrounded of sandstone, mudstone and quartz TOPSOIL |    |
|      |               | 1.20<br>1.20                | SPTL<br>S | N=7 (1,1/1,2,2,2)         |           |           |        | Medium to stiff, dark brown, slightly sandy, silty, gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of limestone, sandstone and coal         | 1  |
|      |               | 2.00<br>2.00                | SPTL<br>S | N=9 (1,1/3,2,2,2)         |           |           |        |                                                                                                                                                                                     | 2  |
|      |               | 3.00<br>3.00                | SPTL<br>S | N=40<br>(5,8/10,10,10,10) |           |           |        |                                                                                                                                                                                     | 3  |
|      |               | 4.00<br>4.00                | SPTL<br>S | N=50<br>(6,9/11,13,13,13) | 4.30      |           |        |                                                                                                                                                                                     | 4  |
|      |               |                             |           |                           |           |           |        | End of borehole at 4.30 m                                                                                                                                                           | 5  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                                     | 6  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                                     | 7  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                                     | 8  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                                     | 9  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                                     | 10 |

Remarks

1) Hand dug pit to 1.20m bgl 2) Terminated at refusal





# Borehole Log

Borehole No.

**WS2**

Sheet 1 of 1

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
WS

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 06/04/2021 -

Logged By  
ER

| Well | Water Strikes | Samples and In Situ Testing |           |                           | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                      |    |
|------|---------------|-----------------------------|-----------|---------------------------|-----------|-----------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               | Depth (m)                   | Type      | Results                   |           |           |        |                                                                                                                                                                          |    |
|      |               |                             |           |                           | 0.28      |           |        | Dark brown, sandy, slightly gravelly, clayey TOPSOIL. Sand is fine to coarse. Gravel is fine to medium, subangular to subrounded of coal, sandstone and mudstone TOPSOIL |    |
|      |               | 1.20<br>1.20                | SPTL<br>S | N=16 (3,3/3,4,4,5)        |           |           |        | Firm becoming stiff, dark brown, slightly gravelly CLAY. Gravel is fine to medium, angular to subrounded of coal, sandstone and mudstone                                 | 1  |
|      |               | 2.00<br>2.00                | SPTL<br>S | N=26 (3,4/5,5,7,9)        |           |           |        |                                                                                                                                                                          | 2  |
|      |               | 3.00<br>3.00                | SPTL<br>S | N=29 (4,5/7,7,7,8)        |           |           |        |                                                                                                                                                                          | 3  |
|      |               | 4.00<br>4.00                | SPTL<br>S | N=50<br>(7,7/10,13,13,14) | 4.45      |           |        |                                                                                                                                                                          | 4  |
|      |               |                             |           |                           |           |           |        | End of borehole at 4.45 m                                                                                                                                                | 5  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                          | 6  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                          | 7  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                          | 8  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                          | 9  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                          | 10 |

Remarks

1) Hand dug pit to 1.20m bgl 2) Terminated at target depth





# Borehole Log

Borehole No.

**WS3**

Sheet 1 of 1

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
WS

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 06/04/2021 -

Logged By  
ER

| Well | Water Strikes | Samples and In Situ Testing |      |                           | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                               |    |
|------|---------------|-----------------------------|------|---------------------------|-----------|-----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               | Depth (m)                   | Type | Results                   |           |           |        |                                                                                                                                                                                   |    |
|      |               | 0.20                        | ES   |                           | 0.30      |           |        | Dark brown, slightly sandy, slightly gravelly TOPSOIL. Sand is fine to medium. Gravel is fine to medium, subangular to rounded of quartz, mudstone, sandstone and coal TOPSOIL    |    |
|      |               | 0.85                        | ES   |                           |           |           |        | Firm becoming stiff, dark orange, slightly sandy, slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium, angular to subrounded of coal, sandstone and mudstone | 1  |
|      |               | 1.20                        | SPTL |                           |           |           |        |                                                                                                                                                                                   |    |
|      |               | 1.20                        | S    | N=13 (3,3/3,3,3,4)        |           |           |        |                                                                                                                                                                                   |    |
|      |               | 1.70                        | B    |                           |           |           |        |                                                                                                                                                                                   |    |
|      |               | 2.00                        | SPTL |                           |           |           |        |                                                                                                                                                                                   | 2  |
|      |               | 2.00                        | S    | N=23 (3,4/4,5,6,8)        |           |           |        |                                                                                                                                                                                   |    |
|      |               | 3.00                        | SPTL |                           |           |           |        |                                                                                                                                                                                   | 3  |
|      |               | 3.00                        | S    | N=54 (6,9/54 for 295mm)   |           |           |        |                                                                                                                                                                                   |    |
|      |               | 3.30                        | SPTL |                           | 3.50      |           |        | End of borehole at 3.50 m                                                                                                                                                         | 4  |
|      |               | 3.30                        | S    | N=56 (10,11/56 for 290mm) |           |           |        |                                                                                                                                                                                   | 5  |
|      |               |                             |      |                           |           |           |        |                                                                                                                                                                                   | 6  |
|      |               |                             |      |                           |           |           |        |                                                                                                                                                                                   | 7  |
|      |               |                             |      |                           |           |           |        |                                                                                                                                                                                   | 8  |
|      |               |                             |      |                           |           |           |        |                                                                                                                                                                                   | 9  |
|      |               |                             |      |                           |           |           |        |                                                                                                                                                                                   | 10 |

Remarks

1) Hand dug pit to 1.20m bgl 2) Terminated at refusal





# Borehole Log

Borehole No.

**WS4**

Sheet 1 of 1

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
WS

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 06/04/2021 -

Logged By  
ER

| Well | Water Strikes | Samples and In Situ Testing |           |                          | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                           |    |
|------|---------------|-----------------------------|-----------|--------------------------|-----------|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               | Depth (m)                   | Type      | Results                  |           |           |        |                                                                                                                                                                               |    |
|      |               |                             |           |                          | 0.37      |           |        | Dark brown, sandy, slightly gravelly, clayey TOPSOIL. Sand is fine to coarse. Gravel is fine to coarse, angular to subrounded of sandstone, mudstone and coal                 |    |
|      |               | 1.20<br>1.20                | SPTL<br>S | N=21 (3,4/4,5,6,6)       |           |           |        | TOPSOIL<br>Stiff, dark brown, slightly sandy, slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse, subangular to rounded of sandstone, coal and mudstone | 1  |
|      |               | 2.00<br>2.00                | SPTL<br>S | N=31 (3,4/5,7,9,10)      |           |           |        |                                                                                                                                                                               | 2  |
|      |               | 3.00<br>3.00                | SPTL<br>S | N=50 (7,10/50 for 290mm) | 3.35      |           |        |                                                                                                                                                                               | 3  |
|      |               |                             |           |                          |           |           |        | End of borehole at 3.35 m                                                                                                                                                     | 4  |
|      |               |                             |           |                          |           |           |        |                                                                                                                                                                               | 5  |
|      |               |                             |           |                          |           |           |        |                                                                                                                                                                               | 6  |
|      |               |                             |           |                          |           |           |        |                                                                                                                                                                               | 7  |
|      |               |                             |           |                          |           |           |        |                                                                                                                                                                               | 8  |
|      |               |                             |           |                          |           |           |        |                                                                                                                                                                               | 9  |
|      |               |                             |           |                          |           |           |        |                                                                                                                                                                               | 10 |

Remarks

1) Hand dug pit to 1.20m bgl 2) Terminated at refusal





# Borehole Log

Borehole No.

**WS6**

Sheet 1 of 1

Project Name: Net World Sports

Project No.  
TE1456

Co-ords: -

Hole Type  
WS

Location: Wrexham Industrial Estate

Level:

Scale  
1:50

Client: Tier Consult

Dates: 06/04/2021 -

Logged By  
ER

| Well | Water Strikes | Samples and In Situ Testing |           |                           | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                                                        |    |
|------|---------------|-----------------------------|-----------|---------------------------|-----------|-----------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               | Depth (m)                   | Type      | Results                   |           |           |        |                                                                                                                                                                                                            |    |
|      |               | 0.30                        |           |                           | 0.30      |           |        | Dark brown, slightly sandy, slightly gravelly, clayey TOPSOIL. Sand is fine to medium. Gravel is fine to medium, subangular to subrounded of sandstone and mudstone TOPSOIL                                |    |
|      |               | 1.20<br>1.20                | SPTL<br>S | N=17 (3,3/4,4,4,5)        |           |           |        | Firm to stiff, dark brown, slightly sandy, slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to medium, angular to subrounded of sandstone, coal, mudstone and infrequent igneous lithologies | 1  |
|      |               | 2.00<br>2.00                | SPTL<br>S | N=26 (3,3/5,6,7,8)        |           |           |        |                                                                                                                                                                                                            | 2  |
|      |               | 3.00<br>3.00                | SPTL<br>S | N=21 (3,3/4,4,5,8)        |           |           |        |                                                                                                                                                                                                            | 3  |
|      |               | 4.00<br>4.00                | SPTL<br>S | N=44<br>(5,7/10,11,12,11) |           |           |        |                                                                                                                                                                                                            | 4  |
|      |               | 5.00<br>5.00                | SPTL<br>S | N=42<br>(6,7/10,10,11,11) | 5.45      |           |        | End of borehole at 5.45 m                                                                                                                                                                                  | 5  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                                                            | 6  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                                                            | 7  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                                                            | 8  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                                                            | 9  |
|      |               |                             |           |                           |           |           |        |                                                                                                                                                                                                            | 10 |

Remarks

1) Hand dug pit to 1.20m bgl 2) Water strike at 4.60m bgl 3) Terminated at target depth



## **APPENDIX C - GEOENVIRONMENTAL SOIL LABORATORY RESULTS**

Tier Environmental  
Suite 513, Chadwick House  
Warrington Rd  
Birchwood  
Warrington  
WA3 6AE



|                                |                             |
|--------------------------------|-----------------------------|
| <b>Attention :</b>             | Adrian Read                 |
| <b>Date :</b>                  | 23rd April, 2021            |
| <b>Your reference :</b>        | TE1456                      |
| <b>Our reference :</b>         | Test Report 21/5291 Batch 2 |
| <b>Location :</b>              | Net World Sports, Wrexham   |
| <b>Date samples received :</b> | 14th April, 2021            |
| <b>Status :</b>                | Final report                |
| <b>Issue :</b>                 | 1                           |

Seventeen samples were received for analysis on 14th April, 2021 of which six were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

**Authorised By:**



**Phil Sommerton BSc**  
Senior Project Manager

Please include all sections of this report if it is reproduced

**Solids:** V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

## Element Materials Technology

**Client Name:** Tier Environmental  
**Reference:** TE1456  
**Location:** Net World Sports, Wrexham  
**Contact:** Adrian Read  
**EMT Job No:** 21/5291

**Report : Solid**

**Solids:** V=60g VOC jar, J=250g glass jar, T=plastic tub

| EMT Sample No.                                             | 46-48      | 52-54      | 58-59      | 63-65      | 69-71      | 84-86      |  |  |  |  | Please see attached notes for all abbreviations and acronyms |       |                        |
|------------------------------------------------------------|------------|------------|------------|------------|------------|------------|--|--|--|--|--------------------------------------------------------------|-------|------------------------|
| Sample ID                                                  | HDP1       | HDP2       | HDP4       | HDP6       | CP2        | CP3        |  |  |  |  |                                                              |       |                        |
| Depth                                                      | 0.05       | 0.10       | 0.15       | 0.60       | 1.40       | 2.90       |  |  |  |  |                                                              |       |                        |
| COC No / misc                                              |            |            |            |            |            |            |  |  |  |  |                                                              |       |                        |
| Containers                                                 | V J T      | V J T      | V T        | V J T      | V J T      | V J T      |  |  |  |  |                                                              |       |                        |
| Sample Date                                                | 10/04/2021 | 10/04/2021 | 10/04/2021 | 10/04/2021 | 09/04/2021 | 10/04/2021 |  |  |  |  |                                                              |       |                        |
| Sample Type                                                | Soil       | Soil       | Soil       | Soil       | Soil       | Soil       |  |  |  |  |                                                              |       |                        |
| Batch Number                                               | 2          | 2          | 2          | 2          | 2          | 2          |  |  |  |  | LOD/LOR                                                      | Units | Method No.             |
| Date of Receipt                                            | 14/04/2021 | 14/04/2021 | 14/04/2021 | 14/04/2021 | 14/04/2021 | 14/04/2021 |  |  |  |  |                                                              |       |                        |
| TPH CWG                                                    |            |            |            |            |            |            |  |  |  |  |                                                              |       |                        |
| <b>Aliphatics</b>                                          |            |            |            |            |            |            |  |  |  |  |                                                              |       |                        |
| >C5-C6 (HS_1D_AL) #                                        | <0.1       | <0.1       | <0.1       | -          | <0.1       | <0.1       |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >C6-C8 (HS_1D_AL) #                                        | <0.1       | <0.1       | <0.1       | -          | <0.1       | <0.1       |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >C8-C10 (HS_1D_AL)                                         | <0.1       | <0.1       | <0.1       | -          | <0.1       | <0.1       |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >C10-C12 (EH_CU_1D_AL) #                                   | <0.2       | <0.2       | <0.2       | -          | <0.2       | <0.2       |  |  |  |  | <0.2                                                         | mg/kg | TM5/PM8/PM16           |
| >C12-C16 (EH_CU_1D_AL) #                                   | <4         | <4         | <4         | -          | <4         | <4         |  |  |  |  | <4                                                           | mg/kg | TM5/PM8/PM16           |
| >C16-C21 (EH_CU_1D_AL) #                                   | <7         | <7         | <7         | -          | <7         | <7         |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| >C21-C35 (EH_CU_1D_AL) #                                   | <7         | <7         | <7         | -          | <7         | <7         |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| >C35-C40 (EH_1D_AL)                                        | <7         | <7         | <7         | -          | <7         | <7         |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| Total aliphatics C5-40 (EH+HS_1D_AL)                       | <26        | <26        | <26        | -          | <26        | <26        |  |  |  |  | <26                                                          | mg/kg | TM5/PM8/PM16/PM12/PM15 |
| <b>Aromatics</b>                                           |            |            |            |            |            |            |  |  |  |  |                                                              |       |                        |
| >C5-EC7 (HS_1D_AR) #                                       | <0.1       | <0.1       | <0.1       | -          | <0.1       | <0.1       |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >EC7-EC8 (HS_1D_AR) #                                      | <0.1       | <0.1       | <0.1       | -          | <0.1       | <0.1       |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >EC8-EC10 (HS_1D_AR) #                                     | <0.1       | <0.1       | <0.1       | -          | <0.1       | <0.1       |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >EC10-EC12 (EH_CU_1D_AR) #                                 | <0.2       | <0.2       | <0.2       | -          | <0.2       | <0.2       |  |  |  |  | <0.2                                                         | mg/kg | TM5/PM8/PM16           |
| >EC12-EC16 (EH_CU_1D_AR) #                                 | <4         | <4         | <4         | -          | <4         | <4         |  |  |  |  | <4                                                           | mg/kg | TM5/PM8/PM16           |
| >EC16-EC21 (EH_CU_1D_AR) #                                 | <7         | <7         | <7         | -          | <7         | <7         |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| >EC21-EC35 (EH_CU_1D_AR) #                                 | <7         | <7         | <7         | -          | <7         | <7         |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| >EC35-EC40 (EH_1D_AR)                                      | <7         | <7         | <7         | -          | <7         | <7         |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| Total aromatics C5-40 (EH+HS_1D_AR)                        | <26        | <26        | <26        | -          | <26        | <26        |  |  |  |  | <26                                                          | mg/kg | TM5/PM8/PM16/PM12/PM15 |
| Total aliphatics and aromatics (C5-40) (EH+HS_CU_1D_Total) | <52        | <52        | <52        | -          | <52        | <52        |  |  |  |  | <52                                                          | mg/kg | TM5/PM8/PM16/PM12/PM15 |
| MTBE #                                                     | <5         | <5         | <5         | -          | <5         | <5         |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| Benzene #                                                  | <5         | <5         | <5         | -          | <5         | <5         |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| Toluene #                                                  | <5         | <5         | <5         | -          | <5         | <5         |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| Ethylbenzene #                                             | <5         | <5         | <5         | -          | <5         | <5         |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| m/p-Xylene #                                               | <5         | <5         | <5         | -          | <5         | <5         |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| o-Xylene #                                                 | <5         | <5         | <5         | -          | <5         | <5         |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| PCB 28 #                                                   | -          | <5         | -          | -          | -          | -          |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| PCB 52 #                                                   | -          | <5         | -          | -          | -          | -          |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| PCB 101 #                                                  | -          | <5         | -          | -          | -          | -          |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| PCB 118 #                                                  | -          | <5         | -          | -          | -          | -          |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| PCB 138 #                                                  | -          | <5         | -          | -          | -          | -          |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| PCB 153 #                                                  | -          | <5         | -          | -          | -          | -          |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| PCB 180 #                                                  | -          | <5         | -          | -          | -          | -          |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| Total 7 PCBs #                                             | -          | <35        | -          | -          | -          | -          |  |  |  |  | <35                                                          | ug/kg | TM17/PM8               |
| Total Phenols HPLC                                         | <0.15      | <0.15      | <0.15      | <0.15      | <0.15      | <0.15      |  |  |  |  | <0.15                                                        | mg/kg | TM26/PM21B             |
| Natural Moisture Content                                   | 42.4       | 42.0       | 37.1       | 18.1       | 29.0       | 23.4       |  |  |  |  | <0.1                                                         | %     | PM4/PM0                |
| Ammoniacal Nitrogen as NH4                                 | <0.6       | -          | <0.6       | -          | -          | -          |  |  |  |  | <0.6                                                         | mg/kg | TM38/PM20              |



|                                   |                                   |                                              |                                                                                    |
|-----------------------------------|-----------------------------------|----------------------------------------------|------------------------------------------------------------------------------------|
| Mass of sample taken (kg)         | -                                 | Moisture Content Ratio (%) =                 | 21.5                                                                               |
| Mass of dry sample (kg) =         | 0.09                              | Dry Matter Content Ratio (%) =               | 82.3                                                                               |
| Particle Size <4mm =              | >95%                              |                                              |                                                                                    |
| EMT Job No                        | 21/5291                           | Landfill Waste Acceptance<br>Criteria Limits |                                                                                    |
| Sample No                         | 54                                |                                              |                                                                                    |
| Client Sample No                  | HDP2                              |                                              |                                                                                    |
| Depth/Other                       | 0.10                              |                                              |                                                                                    |
| Sample Date                       | 10/04/2021                        |                                              |                                                                                    |
| Batch No                          | 2                                 |                                              |                                                                                    |
| Solid Waste Analysis              |                                   | Inert<br>Waste<br>Landfill                   | Stable<br>Non-reactive<br>Hazardous<br>Waste in Non-<br>Hazardous<br>Landfill      |
| Total Organic Carbon (%)          | 2.86                              | 3                                            | 5                                                                                  |
| Loss on Ignition (%)              | 14.4                              | -                                            | 10                                                                                 |
| Sum of BTEX (mg/kg)               | <0.025                            | 6                                            | -                                                                                  |
| Sum of 7 PCBs (mg/kg)             | <0.035                            | 1                                            | -                                                                                  |
| Mineral Oil (mg/kg) (EH_CU_1D_AL) | <30                               | 500                                          | -                                                                                  |
| PAH Sum of 17(mg/kg)              | <0.64                             | 100                                          | -                                                                                  |
| pH (pH Units)                     | 6.49                              | -                                            | >6                                                                                 |
| ANC to pH 7 (mol/kg)              | NDP                               | -                                            | to be evaluated                                                                    |
| ANC to pH 4 (mol/kg)              | 0.04                              | -                                            | to be evaluated                                                                    |
| Eluate Analysis                   | 10:1 conc <sup>n</sup><br>leached |                                              | Limit values for compliance<br>leaching test using<br>BS EN 12457-2 at L/S 10 l/kg |
|                                   | C <sub>10</sub><br>mg/l           | A <sub>10</sub><br>mg/kg                     |                                                                                    |
| Arsenic                           | <0.0025                           | <0.025                                       | 0.5                                                                                |
| Barium                            | 0.004                             | 0.04                                         | 2                                                                                  |
| Cadmium                           | <0.0005                           | <0.005                                       | 100                                                                                |
| Chromium                          | <0.0015                           | <0.015                                       | 0.04                                                                               |
| Copper                            | <0.007                            | <0.07                                        | 1                                                                                  |
| Mercury                           | <0.001                            | <0.01                                        | 5                                                                                  |
| Molybdenum                        | <0.002                            | <0.02                                        | 0.5                                                                                |
| Nickel                            | 0.003                             | 0.03                                         | 10                                                                                 |
| Lead                              | <0.005                            | <0.05                                        | 0.4                                                                                |
| Antimony                          | <0.002                            | <0.02                                        | 10                                                                                 |
| Selenium                          | <0.003                            | <0.03                                        | 0.5                                                                                |
| Zinc                              | 0.003                             | 0.03                                         | 0.06                                                                               |
| Chloride                          | 3.6                               | 36                                           | 0.7                                                                                |
| Fluoride                          | 0.3                               | 3                                            | 0.1                                                                                |
| Sulphate as SO <sub>4</sub>       | 13.4                              | 134                                          | 0.5                                                                                |
| Total Dissolved Solids            | 41                                | 410                                          | 4                                                                                  |
| Phenol                            | <0.01                             | <0.1                                         | 50                                                                                 |
| Dissolved Organic Carbon          | 19                                | 190                                          | 800                                                                                |

**Note:**

Opinions, including ACM type and Asbestos level less than 0.1%, lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

| EMT Job No. | Batch | Sample ID | Depth | EMT Sample No. | Date Of Analysis | Analysis                            | Result      |
|-------------|-------|-----------|-------|----------------|------------------|-------------------------------------|-------------|
| 21/5291     | 2     | HDP1      | 0.05  | 48             | 19/04/2021       | General Description (Bulk Analysis) | soil/stones |
|             |       |           |       |                | 19/04/2021       | Asbestos Fibres                     | NAD         |
|             |       |           |       |                | 19/04/2021       | Asbestos ACM                        | NAD         |
|             |       |           |       |                | 19/04/2021       | Asbestos Type                       | NAD         |
|             |       |           |       |                | 19/04/2021       | Asbestos Level Screen               | NAD         |
|             |       |           |       |                |                  |                                     |             |
| 21/5291     | 2     | HDP2      | 0.10  | 53             | 19/04/2021       | General Description (Bulk Analysis) | Soil/Stone  |
|             |       |           |       |                | 19/04/2021       | Asbestos Fibres                     | NAD         |
|             |       |           |       |                | 19/04/2021       | Asbestos ACM                        | NAD         |
|             |       |           |       |                | 19/04/2021       | Asbestos Type                       | NAD         |
|             |       |           |       |                | 19/04/2021       | Asbestos Level Screen               | NAD         |
|             |       |           |       |                |                  |                                     |             |
| 21/5291     | 2     | HDP4      | 0.15  | 59             | 19/04/2021       | General Description (Bulk Analysis) | Soil/Stones |
|             |       |           |       |                | 19/04/2021       | Asbestos Fibres                     | NAD         |
|             |       |           |       |                | 19/04/2021       | Asbestos ACM                        | NAD         |
|             |       |           |       |                | 19/04/2021       | Asbestos Type                       | NAD         |
|             |       |           |       |                | 19/04/2021       | Asbestos Level Screen               | NAD         |
|             |       |           |       |                |                  |                                     |             |
|             |       |           |       |                |                  |                                     |             |

**Matrix : Solid**

[illegible]

**Client Name:** Tier Environmental

**Reference:** TE1456

**Location:** Net World Sports, Wrexham

**Contact:** Adrian Read

[illegible]

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

# NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 21/5291

## SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

## WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

## DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

## SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

## DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

## BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

## NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

**REPORTS FROM THE SOUTH AFRICA LABORATORY**

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

**Measurement Uncertainty**

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

**ABBREVIATIONS and ACRONYMS USED**

|         |                                                                                                                                                                     |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| #       | ISO17025 (UKAS Ref No. 4225) accredited - UK.                                                                                                                       |
| SA      | ISO17025 (SANAS Ref No.T0729) accredited - South Africa                                                                                                             |
| B       | Indicates analyte found in associated method blank.                                                                                                                 |
| DR      | Dilution required.                                                                                                                                                  |
| M       | MCERTS accredited.                                                                                                                                                  |
| NA      | Not applicable                                                                                                                                                      |
| NAD     | No Asbestos Detected.                                                                                                                                               |
| ND      | None Detected (usually refers to VOC and/SVOC TICs).                                                                                                                |
| NDP     | No Determination Possible                                                                                                                                           |
| SS      | Calibrated against a single substance                                                                                                                               |
| SV      | Surrogate recovery outside performance criteria. This may be due to a matrix effect.                                                                                |
| W       | Results expressed on as received basis.                                                                                                                             |
| +       | AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.                                                          |
| >>      | Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited. |
| *       | Analysis subcontracted to an Element Materials Technology approved laboratory.                                                                                      |
| AD      | Samples are dried at 35°C ±5°C                                                                                                                                      |
| CO      | Suspected carry over                                                                                                                                                |
| LOD/LOR | Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS                                                                                           |
| ME      | Matrix Effect                                                                                                                                                       |
| NFD     | No Fibres Detected                                                                                                                                                  |
| BS      | AQC Sample                                                                                                                                                          |
| LB      | Blank Sample                                                                                                                                                        |
| N       | Client Sample                                                                                                                                                       |
| TB      | Trip Blank Sample                                                                                                                                                   |
| OC      | Outside Calibration Range                                                                                                                                           |

## HWOL ACRONYMS AND OPERATORS USED

|       |                                                                      |
|-------|----------------------------------------------------------------------|
| HS    | Headspace Analysis.                                                  |
| EH    | Extractable Hydrocarbons - i.e. everything extracted by the solvent. |
| CU    | Clean-up - e.g. by florisil, silica gel.                             |
| 1D    | GC - Single coil gas chromatography.                                 |
| Total | Aliphatics & Aromatics.                                              |
| AL    | Aliphatics only.                                                     |
| AR    | Aromatics only.                                                      |
| 2D    | GC-GC - Double coil gas chromatography.                              |
| #1    | EH_Total but with humics mathematically subtracted                   |
| #2    | EU_Total but with fatty acids mathematically subtracted              |
| _     | Operator - underscore to separate acronyms (exception for +).        |
| +     | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total   |
| MS    | Mass Spectrometry.                                                   |

EMT Job No: 21/5291

| Test Method No. | Description                                                                                                                                                                                                                                                                                                                             | Prep Method No. (if appropriate) | Description                                                                                                                                                                                       | ISO 17025 (UKAS/ANAS) | MCERTS (UK soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|-------------------------------------------------|------------------------------|
| PM4             | Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.                                                                                                                                                                           | PM0                              | No preparation is required.                                                                                                                                                                       |                       |                        | AR                                              |                              |
| TM4             | Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.                                                                                                                                                                                                                                      | PM8                              | End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.                                                                             |                       |                        | AR                                              | Yes                          |
| TM4             | Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.                                                                                                                                                                                                                                      | PM8                              | End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.                                                                             | Yes                   |                        | AR                                              | Yes                          |
| TM5             | Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GC/FID. For waters the solvent extracts dissolved phase plus a sheen if present.                                                                                                                     | PM8/PM16                         | End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE. |                       |                        | AR                                              | Yes                          |
| TM5             | Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GC/FID. For waters the solvent extracts dissolved phase plus a sheen if present.                                                                                                                     | PM8/PM16                         | End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE. | Yes                   |                        | AR                                              | Yes                          |
| TM5/TM36        | please refer to TM5 and TM36 for method details                                                                                                                                                                                                                                                                                         | PM8/PM12/PM16                    | please refer to PM8/PM16 and PM12 for method details                                                                                                                                              |                       |                        | AR                                              | Yes                          |
| TM17            | Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.                                                                                                                                                                                                                            | PM8                              | End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.                                                                             | Yes                   |                        | AR                                              | Yes                          |
| TM20            | Modified BS 1377-3:1990/USEPA 160.1/3 (TDS/TS: 1971) Gravimetric determination of Total Dissolved Solids/Total Solids                                                                                                                                                                                                                   | PM0                              | No preparation is required.                                                                                                                                                                       |                       |                        | AR                                              | Yes                          |
| TM21            | Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO <sub>2</sub> generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4. | PM24                             | Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.                                              | Yes                   |                        | AD                                              | Yes                          |
| TM22            | Modified BS1377-3:1990 Gravimetric determination of Loss on Ignition by temperature controlled Muffle Furnace (35C-440C). On request modified ASTM D2974-00 LOI (105C-440C)                                                                                                                                                             | PM0                              | No preparation is required.                                                                                                                                                                       | Yes                   |                        | AD                                              | Yes                          |

EMT Job No: 21/5291

| Test Method No. | Description                                                                                                                                                                                                                                                                                                                      | Prep Method No. (if appropriate) | Description                                                                                                                                                                                                                                                                                                           | ISO 17025 (UKAS/ANAS) | MCERTS (UK soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|-------------------------------------------------|------------------------------|
| TM26            | Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.                                                                                                                                                                                                               | PM0                              | No preparation is required.                                                                                                                                                                                                                                                                                           |                       |                        | AR                                              | Yes                          |
| TM26            | Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.                                                                                                                                                                                                               | PM21B                            | As Received samples are extracted in Methanol: Water (60:40) by reciprocal shaker.                                                                                                                                                                                                                                    |                       |                        | AR                                              | Yes                          |
| TM30            | Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009; SOILS by Modified USEP                                                                  | PM15                             | Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.                                                                                                                                                                         |                       |                        | AD                                              | Yes                          |
| TM30            | Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009; SOILS by Modified USEP                                                                  | PM15                             | Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.                                                                                                                                                                         | Yes                   |                        | AD                                              | Yes                          |
| TM30            | Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009; SOILS by Modified USEP                                                                  | PM17                             | Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.                                                                                                                           | Yes                   |                        | AR                                              | Yes                          |
| TM30            | Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009; SOILS by Modified USEP                                                                  | PM20                             | Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker. |                       |                        | AD                                              | Yes                          |
| TM36            | Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GC/FID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested. | PM12                             | Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.                                                                                                                                                                                                              |                       |                        | AR                                              | Yes                          |
| TM36            | Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GC/FID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested. | PM12                             | Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.                                                                                                                                                                                                              | Yes                   |                        | AR                                              | Yes                          |
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013                            | PM0                              | No preparation is required.                                                                                                                                                                                                                                                                                           | Yes                   |                        | AR                                              | Yes                          |
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013                            | PM20                             | Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker. |                       |                        | AD                                              | Yes                          |

EMT Job No: 21/5291

| Test Method No. | Description                                                                                                                                                                                                                                                                                           | Prep Method No. (if appropriate) | Description                                                                                                                                                                                                                                                                                                           | ISO 17025 (UKAS/ANAS) | MCERTS (UK soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|-------------------------------------------------|------------------------------|
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013 | PM20                             | Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker. | Yes                   |                        | AD                                              | Yes                          |
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013 | PM20                             | Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker. |                       |                        | AR                                              | Yes                          |
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013 | PM20                             | Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker. | Yes                   |                        | AR                                              | Yes                          |
| TM50            | Acid soluble sulphate (Total Sulphate) analysed by ICP-OES                                                                                                                                                                                                                                            | PM29                             | A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.                                                                                                                                                                                                       |                       |                        | AD                                              | Yes                          |
| TM50            | Acid soluble sulphate (Total Sulphate) analysed by ICP-OES                                                                                                                                                                                                                                            | PM29                             | A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.                                                                                                                                                                                                       | Yes                   |                        | AD                                              | Yes                          |
| TM60            | TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060A (2002), APHA SMEWW 5310B:1999 22nd Edition, ASTM D 7573, and USEPA 415.1.                                                                          | PM0                              | No preparation is required.                                                                                                                                                                                                                                                                                           |                       |                        | AR                                              | Yes                          |
| TM65            | Asbestos Bulk Identification method based on HSG 248 First edition (2006)                                                                                                                                                                                                                             | PM42                             | Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition V1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.                                                                                                                            | Yes                   |                        | AR                                              |                              |
| TM73            | Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.                                                                                                                                                             | PM11                             | Extraction of as received solid samples using one part solid to 2.5 parts deionised water.                                                                                                                                                                                                                            | Yes                   |                        | AR                                              | No                           |
| TM77            | Modified DDCEN/TS method 15364:2006. Determination of Acid Neutralization Capacity by Metrohm automated probe analyser.                                                                                                                                                                               | PM0                              | No preparation is required.                                                                                                                                                                                                                                                                                           |                       |                        | AR                                              | No                           |
| TM173           | Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 9214 - 340.2 (EPA 1998)                                                                                                                                                                                               | PM0                              | No preparation is required.                                                                                                                                                                                                                                                                                           |                       |                        | AR                                              | Yes                          |

EMT Job No: 21/5291

| Test Method No. | Description    | Prep Method No. (if appropriate) | Description                                                                                                                                                   | ISO 17025 (UKAS/ANAS) | MCERTS (UK soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|-----------------|----------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|-------------------------------------------------|------------------------------|
| NONE            | No Method Code | PM4                              | Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990. |                       |                        | AR                                              |                              |
|                 |                |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |

Tier Environmental  
Suite 513, Chadwick House  
Warrington Rd  
Birchwood  
Warrington  
WA3 6AE



|                                |                             |
|--------------------------------|-----------------------------|
| <b>Attention :</b>             | Adrian Read                 |
| <b>Date :</b>                  | 28th April, 2021            |
| <b>Your reference :</b>        | TE1456                      |
| <b>Our reference :</b>         | Test Report 21/5291 Batch 1 |
| <b>Location :</b>              | Net World Sports, Wrexham   |
| <b>Date samples received :</b> | 10th April, 2021            |
| <b>Status :</b>                | Final report                |
| <b>Issue :</b>                 | 1                           |

Sixteen samples were received for analysis on 10th April, 2021 of which five were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

**Authorised By:**



**Phil Sommerton BSc**  
Senior Project Manager

Please include all sections of this report if it is reproduced

## Element Materials Technology

**Client Name:** Tier Environmental  
**Reference:** TE1456  
**Location:** Net World Sports, Wrexham  
**Contact:** Adrian Read  
**EMT Job No:** 21/5291

**Report : Solid**

**Solids:** V=60g VOC jar, J=250g glass jar, T=plastic tub

| EMT Sample No.                      | 1-3        | 18-20      | 21-23      | 31-33      | 43-45      |  |  |  |  |  | Please see attached notes for all abbreviations and acronyms |       |              |
|-------------------------------------|------------|------------|------------|------------|------------|--|--|--|--|--|--------------------------------------------------------------|-------|--------------|
| Sample ID                           | WS1        | WS4        | WS6        | CP1        | WS3        |  |  |  |  |  |                                                              |       |              |
| Depth                               | 0.20       | 1.80       | 0.10       | 0.80       | 0.20       |  |  |  |  |  |                                                              |       |              |
| COC No / misc                       |            |            |            |            |            |  |  |  |  |  |                                                              |       |              |
| Containers                          | V J T      | V J T      | V J T      | V J T      | V J T      |  |  |  |  |  |                                                              |       |              |
| Sample Date                         | 06/04/2021 | 06/04/2021 | 06/04/2021 | 09/04/2021 | 06/04/2021 |  |  |  |  |  |                                                              |       |              |
| Sample Type                         | Soil       | Soil       | Soil       | Soil       | Soil       |  |  |  |  |  |                                                              |       |              |
| Batch Number                        | 1          | 1          | 1          | 1          | 1          |  |  |  |  |  |                                                              |       |              |
| Date of Receipt                     | 10/04/2021 | 10/04/2021 | 10/04/2021 | 10/04/2021 | 10/04/2021 |  |  |  |  |  | LOD/LOR                                                      | Units | Method No.   |
| Arsenic #                           | 14.4       | 10.3       | 10.0       | 11.2       | 11.8       |  |  |  |  |  | <0.5                                                         | mg/kg | TM30/PM15    |
| Cadmium #                           | 0.4        | <0.1       | <0.1       | 0.1        | <0.1       |  |  |  |  |  | <0.1                                                         | mg/kg | TM30/PM15    |
| Chromium #                          | 69.1       | 46.2       | 47.4       | 54.0       | 53.3       |  |  |  |  |  | <0.5                                                         | mg/kg | TM30/PM15    |
| Copper #                            | 41         | 26         | 23         | 20         | 16         |  |  |  |  |  | <1                                                           | mg/kg | TM30/PM15    |
| Lead #                              | 55         | 19         | 14         | 37         | 39         |  |  |  |  |  | <5                                                           | mg/kg | TM30/PM15    |
| Mercury #                           | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |  |  |  |  |  | <0.1                                                         | mg/kg | TM30/PM15    |
| Nickel #                            | 52.8       | 38.8       | 39.4       | 35.8       | 31.8       |  |  |  |  |  | <0.7                                                         | mg/kg | TM30/PM15    |
| Selenium #                          | 1          | <1         | <1         | 1          | 1          |  |  |  |  |  | <1                                                           | mg/kg | TM30/PM15    |
| Sulphur as S                        | 0.03       | -          | -          | 0.04       | -          |  |  |  |  |  | <0.01                                                        | %     | TM30/PM15    |
| Total Sulphate as SO4 #             | 308        | 671        | 382        | 379        | 417        |  |  |  |  |  | <50                                                          | mg/kg | TM50/PM29    |
| Total Sulphate as SO4 BRE           | 0.03       | -          | -          | 0.04       | -          |  |  |  |  |  | <0.01                                                        | %     | TM50/PM29    |
| Zinc #                              | 213        | 70         | 66         | 70         | 77         |  |  |  |  |  | <5                                                           | mg/kg | TM30/PM15    |
| Magnesium                           | 0.0043     | -          | -          | 0.0151     | -          |  |  |  |  |  | <0.0001                                                      | g/l   | TM30/PM20    |
| PAH MS                              |            |            |            |            |            |  |  |  |  |  |                                                              |       |              |
| Naphthalene #                       | 0.05       | <0.04      | <0.04      | <0.04      | <0.04      |  |  |  |  |  | <0.04                                                        | mg/kg | TM4/PM8      |
| Acenaphthylene                      | 0.06       | <0.03      | <0.03      | <0.03      | <0.03      |  |  |  |  |  | <0.03                                                        | mg/kg | TM4/PM8      |
| Acenaphthene #                      | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |  |  |  |  |  | <0.05                                                        | mg/kg | TM4/PM8      |
| Fluorene #                          | 0.05       | <0.04      | <0.04      | <0.04      | <0.04      |  |  |  |  |  | <0.04                                                        | mg/kg | TM4/PM8      |
| Phenanthrene #                      | 0.72       | <0.03      | <0.03      | 0.10       | <0.03      |  |  |  |  |  | <0.03                                                        | mg/kg | TM4/PM8      |
| Anthracene #                        | 0.20       | <0.04      | <0.04      | <0.04      | <0.04      |  |  |  |  |  | <0.04                                                        | mg/kg | TM4/PM8      |
| Fluoranthene #                      | 2.42       | <0.03      | <0.03      | 0.17       | <0.03      |  |  |  |  |  | <0.03                                                        | mg/kg | TM4/PM8      |
| Pyrene #                            | 2.06       | <0.03      | <0.03      | 0.14       | <0.03      |  |  |  |  |  | <0.03                                                        | mg/kg | TM4/PM8      |
| Benzo(a)anthracene #                | 1.36       | <0.06      | <0.06      | 0.09       | <0.06      |  |  |  |  |  | <0.06                                                        | mg/kg | TM4/PM8      |
| Chrysene #                          | 1.41       | <0.02      | <0.02      | 0.08       | <0.02      |  |  |  |  |  | <0.02                                                        | mg/kg | TM4/PM8      |
| Benzo(bk)fluoranthene #             | 2.85       | <0.07      | <0.07      | 0.14       | <0.07      |  |  |  |  |  | <0.07                                                        | mg/kg | TM4/PM8      |
| Benzo(a)pyrene #                    | 1.56       | <0.04      | <0.04      | 0.08       | <0.04      |  |  |  |  |  | <0.04                                                        | mg/kg | TM4/PM8      |
| Indeno(123cd)pyrene #               | 1.12       | <0.04      | <0.04      | 0.05       | <0.04      |  |  |  |  |  | <0.04                                                        | mg/kg | TM4/PM8      |
| Dibenzo(ah)anthracene #             | 0.23       | <0.04      | <0.04      | <0.04      | <0.04      |  |  |  |  |  | <0.04                                                        | mg/kg | TM4/PM8      |
| Benzo(ghi)perylene #                | 1.05       | <0.04      | <0.04      | 0.05       | <0.04      |  |  |  |  |  | <0.04                                                        | mg/kg | TM4/PM8      |
| Coronene                            | -          | -          | -          | -          | <0.04      |  |  |  |  |  | <0.04                                                        | mg/kg | TM4/PM8      |
| PAH 16 Total                        | 15.1       | <0.6       | <0.6       | 0.9        | <0.6       |  |  |  |  |  | <0.6                                                         | mg/kg | TM4/PM8      |
| PAH 17 Total                        | -          | -          | -          | -          | <0.64      |  |  |  |  |  | <0.64                                                        | mg/kg | TM4/PM8      |
| Benzo(b)fluoranthene                | 2.05       | <0.05      | <0.05      | 0.10       | <0.05      |  |  |  |  |  | <0.05                                                        | mg/kg | TM4/PM8      |
| Benzo(k)fluoranthene                | 0.80       | <0.02      | <0.02      | 0.04       | <0.02      |  |  |  |  |  | <0.02                                                        | mg/kg | TM4/PM8      |
| PAH Surrogate % Recovery            | 88         | 70         | 77         | 75         | 87         |  |  |  |  |  | <0                                                           | %     | TM4/PM8      |
| Mineral Oil (C10-C40) (EH_CU_1D_AL) | -          | -          | -          | -          | <30        |  |  |  |  |  | <30                                                          | mg/kg | TM5/PM8/PM16 |

# Element Materials Technology

**Client Name:** Tier Environmental  
**Reference:** TE1456  
**Location:** Net World Sports, Wrexham  
**Contact:** Adrian Read  
**EMT Job No:** 21/5291

**Report : Solid**

**Solids:** V=60g VOC jar, J=250g glass jar, T=plastic tub

| EMT Sample No.                                             | 1-3        | 18-20      | 21-23      | 31-33      | 43-45      |  |  |  |  |  | Please see attached notes for all abbreviations and acronyms |       |                        |
|------------------------------------------------------------|------------|------------|------------|------------|------------|--|--|--|--|--|--------------------------------------------------------------|-------|------------------------|
| Sample ID                                                  | WS1        | WS4        | WS6        | CP1        | WS3        |  |  |  |  |  |                                                              |       |                        |
| Depth                                                      | 0.20       | 1.80       | 0.10       | 0.80       | 0.20       |  |  |  |  |  |                                                              |       |                        |
| COC No / misc                                              |            |            |            |            |            |  |  |  |  |  |                                                              |       |                        |
| Containers                                                 | V J T      | V J T      | V J T      | V J T      | V J T      |  |  |  |  |  |                                                              |       |                        |
| Sample Date                                                | 06/04/2021 | 06/04/2021 | 06/04/2021 | 09/04/2021 | 06/04/2021 |  |  |  |  |  |                                                              |       |                        |
| Sample Type                                                | Soil       | Soil       | Soil       | Soil       | Soil       |  |  |  |  |  |                                                              |       |                        |
| Batch Number                                               | 1          | 1          | 1          | 1          | 1          |  |  |  |  |  |                                                              |       |                        |
| Date of Receipt                                            | 10/04/2021 | 10/04/2021 | 10/04/2021 | 10/04/2021 | 10/04/2021 |  |  |  |  |  | LOD/LOR                                                      | Units | Method No.             |
| TPH CWG                                                    |            |            |            |            |            |  |  |  |  |  |                                                              |       |                        |
| <b>Aliphatics</b>                                          |            |            |            |            |            |  |  |  |  |  |                                                              |       |                        |
| >C5-C6 (HS_1D_AL) #                                        | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |  |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >C6-C8 (HS_1D_AL) #                                        | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |  |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >C8-C10 (HS_1D_AL)                                         | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |  |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >C10-C12 (EH_CU_1D_AL) #                                   | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |  |  |  |  |  | <0.2                                                         | mg/kg | TM5/PM8/PM16           |
| >C12-C16 (EH_CU_1D_AL) #                                   | <4         | <4         | <4         | <4         | <4         |  |  |  |  |  | <4                                                           | mg/kg | TM5/PM8/PM16           |
| >C16-C21 (EH_CU_1D_AL) #                                   | <7         | <7         | <7         | <7         | <7         |  |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| >C21-C35 (EH_CU_1D_AL) #                                   | <7         | <7         | <7         | <7         | <7         |  |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| >C35-C40 (EH_1D_AL)                                        | <7         | <7         | <7         | <7         | <7         |  |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| Total aliphatics C5-40 (EH+HS_1D_AL)                       | <26        | <26        | <26        | <26        | <26        |  |  |  |  |  | <26                                                          | mg/kg | TM5/PM8/PM16/PM12/PM10 |
| <b>Aromatics</b>                                           |            |            |            |            |            |  |  |  |  |  |                                                              |       |                        |
| >C5-EC7 (HS_1D_AR) #                                       | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |  |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >EC7-EC8 (HS_1D_AR) #                                      | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |  |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >EC8-EC10 (HS_1D_AR) #                                     | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |  |  |  |  |  | <0.1                                                         | mg/kg | TM36/PM12              |
| >EC10-EC12 (EH_CU_1D_AR) #                                 | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |  |  |  |  |  | <0.2                                                         | mg/kg | TM5/PM8/PM16           |
| >EC12-EC16 (EH_CU_1D_AR) #                                 | <4         | <4         | <4         | <4         | <4         |  |  |  |  |  | <4                                                           | mg/kg | TM5/PM8/PM16           |
| >EC16-EC21 (EH_CU_1D_AR) #                                 | <7         | <7         | <7         | <7         | <7         |  |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| >EC21-EC35 (EH_CU_1D_AR) #                                 | <7         | <7         | <7         | <7         | <7         |  |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| >EC35-EC40 (EH_1D_AR)                                      | <7         | <7         | <7         | <7         | <7         |  |  |  |  |  | <7                                                           | mg/kg | TM5/PM8/PM16           |
| Total aromatics C5-40 (EH+HS_1D_AR)                        | <26        | <26        | <26        | <26        | <26        |  |  |  |  |  | <26                                                          | mg/kg | TM5/PM8/PM16/PM12/PM10 |
| Total aliphatics and aromatics (C5-40) (EH+HS_CU_1D_Total) | <52        | <52        | <52        | <52        | <52        |  |  |  |  |  | <52                                                          | mg/kg | TM5/PM8/PM16/PM12/PM10 |
| <b>MTBE #</b>                                              | <5         | <5         | <5         | <5         | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| <b>Benzene #</b>                                           | <5         | <5         | <5         | <5         | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| <b>Toluene #</b>                                           | <5         | <5         | <5         | <5         | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| <b>Ethylbenzene #</b>                                      | <5         | <5         | <5         | <5         | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| <b>m/p-Xylene #</b>                                        | <5         | <5         | <5         | <5         | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| <b>o-Xylene #</b>                                          | <5         | <5         | <5         | <5         | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM36/PM12              |
| <b>PCB 28 #</b>                                            | -          | -          | -          | -          | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| <b>PCB 52 #</b>                                            | -          | -          | -          | -          | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| <b>PCB 101 #</b>                                           | -          | -          | -          | -          | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| <b>PCB 118 #</b>                                           | -          | -          | -          | -          | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| <b>PCB 138 #</b>                                           | -          | -          | -          | -          | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| <b>PCB 153 #</b>                                           | -          | -          | -          | -          | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| <b>PCB 180 #</b>                                           | -          | -          | -          | -          | <5         |  |  |  |  |  | <5                                                           | ug/kg | TM17/PM8               |
| <b>Total 7 PCBs #</b>                                      | -          | -          | -          | -          | <35        |  |  |  |  |  | <35                                                          | ug/kg | TM17/PM8               |
| <b>Total Phenols HPLC</b>                                  | <0.15      | <0.15      | <0.15      | <0.15      | <0.15      |  |  |  |  |  | <0.15                                                        | mg/kg | TM26/PM21B             |
| <b>Natural Moisture Content</b>                            | 26.1       | 18.1       | 18.0       | 27.1       | 27.8       |  |  |  |  |  | <0.1                                                         | %     | PM4/PM0                |
| <b>Ammoniacal Nitrogen as NH4</b>                          | <0.6       | -          | -          | <0.6       | -          |  |  |  |  |  | <0.6                                                         | mg/kg | TM38/PM20              |

## Element Materials Technology

**Client Name:** Tier Environmental  
**Reference:** TE1456  
**Location:** Net World Sports, Wrexham  
**Contact:** Adrian Read  
**EMT Job No:** 21/5291

**Report : Solid**

**Solids:** V=60g VOC jar, J=250g glass jar, T=plastic tub

| EMT Sample No.                                     | 1-3        | 18-20      | 21-23      | 31-33      | 43-45      |  |  |  |  |  | Please see attached notes for all abbreviations and acronyms |          |               |
|----------------------------------------------------|------------|------------|------------|------------|------------|--|--|--|--|--|--------------------------------------------------------------|----------|---------------|
| Sample ID                                          | WS1        | WS4        | WS6        | CP1        | WS3        |  |  |  |  |  |                                                              |          |               |
| Depth                                              | 0.20       | 1.80       | 0.10       | 0.80       | 0.20       |  |  |  |  |  |                                                              |          |               |
| COC No / misc                                      |            |            |            |            |            |  |  |  |  |  |                                                              |          |               |
| Containers                                         | V J T      | V J T      | V J T      | V J T      | V J T      |  |  |  |  |  |                                                              |          |               |
| Sample Date                                        | 06/04/2021 | 06/04/2021 | 06/04/2021 | 09/04/2021 | 06/04/2021 |  |  |  |  |  |                                                              |          |               |
| Sample Type                                        | Soil       | Soil       | Soil       | Soil       | Soil       |  |  |  |  |  |                                                              |          |               |
| Batch Number                                       | 1          | 1          | 1          | 1          | 1          |  |  |  |  |  |                                                              |          |               |
| Date of Receipt                                    | 10/04/2021 | 10/04/2021 | 10/04/2021 | 10/04/2021 | 10/04/2021 |  |  |  |  |  | LOD/LOR                                                      | Units    | Method No.    |
| Chloride (2:1 Ext BRE) #                           | 0.002      | -          | -          | 0.008      | -          |  |  |  |  |  | <0.002                                                       | g/l      | TM38/PM20     |
| Hexavalent Chromium #                              | <0.3       | <0.3       | <0.3       | <0.3       | <0.3       |  |  |  |  |  | <0.3                                                         | mg/kg    | TM38/PM20     |
| Nitrate as NO3 (2:1 Ext BRE)                       | 0.0047     | -          | -          | 0.0085     | -          |  |  |  |  |  | <0.0025                                                      | g/l      | TM38/PM20     |
| Sulphate as SO4 (2:1 Ext) #                        | 0.0171     | 0.1662     | 0.0797     | 0.0975     | 0.0114     |  |  |  |  |  | <0.0015                                                      | g/l      | TM38/PM20     |
| Total Organic Carbon #                             | 2.92       | 0.24       | 0.23       | 0.90       | 1.51       |  |  |  |  |  | <0.02                                                        | %        | TM21/PM24     |
| Nitrocellulose Colour*                             | -          | -          | -ve        | -          | -ve        |  |  |  |  |  | None                                                         |          | Subcontracted |
| Nitrocellulose Colourimetric*                      | -          | -          | <5000      | -          | <5000      |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| Cyclotetramethylene Tetranitramine (HMX)*          | -          | -          | <2         | -          | <2         |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| Cyclo-1,3,5-Trimethylene-2,4,6-Trinitramine (RDX)* | -          | -          | <2         | -          | <2         |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| Ethylene Glycol Dinitrate (EGDN)*                  | -          | -          | <1         | -          | <1         |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| 2,4,6-Trinitro-Phenylmethyl Nitramine (Tetryl)*    | -          | -          | <1         | -          | <1         |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| Glycerol Trinitrate (NG)*                          | -          | -          | <1         | -          | <1         |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| 2,4,6-Trinitrotoluene (TNT)*                       | -          | -          | <0.1       | -          | <0.1       |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| 2,6-Dinitrotoluene*                                | -          | -          | <1         | -          | <1         |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| 2,4-Dinitrotoluene*                                | -          | -          | <1         | -          | <1         |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| Hexanitro-Stilbene (HNS)*                          | -          | -          | <0.5       | -          | <0.5       |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| Pentaerythritol Tetranitrate (PETN)*               | -          | -          | <5         | -          | <5         |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| Nitroguanidine (Picrite)*                          | -          | -          | <0.25      | -          | <0.25      |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| 2,4,6-Trinitro Phenol (Picric Acid)*               | -          | -          | <0.1       | -          | <0.1       |  |  |  |  |  | mg/kg                                                        |          | Subcontracted |
| ANC at pH4                                         | -          | -          | -          | -          | 0.05       |  |  |  |  |  | <0.03                                                        | mol/kg   | TM77/PM0      |
| ANC at pH7                                         | -          | -          | -          | -          | NDP        |  |  |  |  |  | <0.03                                                        | mol/kg   | TM77/PM0      |
| Loss on Ignition #                                 | -          | -          | -          | -          | 6.8        |  |  |  |  |  | <1.0                                                         | %        | TM22/PM0      |
| pH #                                               | 7.75       | 8.65       | 8.76       | 8.07       | 7.11       |  |  |  |  |  | <0.01                                                        | pH units | TM73/PM11     |

|                                   |                                   |                                              |                                                                                    |
|-----------------------------------|-----------------------------------|----------------------------------------------|------------------------------------------------------------------------------------|
| Mass of sample taken (kg)         | -                                 | Moisture Content Ratio (%) =                 | 25.4                                                                               |
| Mass of dry sample (kg) =         | 0.09                              | Dry Matter Content Ratio (%) =               | 79.7                                                                               |
| Particle Size <4mm =              | >95%                              |                                              |                                                                                    |
| EMT Job No                        | 21/5291                           | Landfill Waste Acceptance<br>Criteria Limits |                                                                                    |
| Sample No                         | 45                                |                                              |                                                                                    |
| Client Sample No                  | WS3                               |                                              |                                                                                    |
| Depth/Other                       | 0.20                              |                                              |                                                                                    |
| Sample Date                       | 06/04/2021                        |                                              |                                                                                    |
| Batch No                          | 1                                 |                                              |                                                                                    |
| <b>Solid Waste Analysis</b>       |                                   | Inert<br>Waste<br>Landfill                   | Stable<br>Non-reactive<br>Hazardous<br>Waste in Non-<br>Hazardous<br>Landfill      |
| Total Organic Carbon (%)          | 1.51                              | 3                                            | 5                                                                                  |
| Loss on Ignition (%)              | 6.8                               | -                                            | 10                                                                                 |
| Sum of BTEX (mg/kg)               | <0.025                            | 6                                            | -                                                                                  |
| Sum of 7 PCBs (mg/kg)             | <0.035                            | 1                                            | -                                                                                  |
| Mineral Oil (mg/kg) (EH_CU_1D_AL) | <30                               | 500                                          | -                                                                                  |
| PAH Sum of 17(mg/kg)              | <0.64                             | 100                                          | -                                                                                  |
| pH (pH Units)                     | 7.11                              | -                                            | >6                                                                                 |
| ANC to pH 7 (mol/kg)              | NDP                               | -                                            | to be evaluated                                                                    |
| ANC to pH 4 (mol/kg)              | 0.05                              | -                                            | to be evaluated                                                                    |
| Eluate Analysis                   | 10:1 conc <sup>n</sup><br>leached |                                              | Limit values for compliance<br>leaching test using<br>BS EN 12457-2 at L/S 10 l/kg |
|                                   | C <sub>10</sub><br>mg/l           | A <sub>10</sub><br>mg/kg                     |                                                                                    |
| Arsenic                           | <0.0025                           | <0.025                                       | 0.5                                                                                |
| Barium                            | 0.013                             | 0.13                                         | 20                                                                                 |
| Cadmium                           | <0.0005                           | <0.005                                       | 0.04                                                                               |
| Chromium                          | <0.0015                           | <0.015                                       | 0.5                                                                                |
| Copper                            | 0.008                             | 0.08                                         | 2                                                                                  |
| Mercury                           | <0.001                            | <0.01                                        | 0.01                                                                               |
| Molybdenum                        | <0.002                            | <0.02                                        | 0.5                                                                                |
| Nickel                            | 0.003                             | 0.03                                         | 0.4                                                                                |
| Lead                              | 0.009                             | 0.09                                         | 0.5                                                                                |
| Antimony                          | <0.002                            | <0.02                                        | 0.06                                                                               |
| Selenium                          | <0.003                            | <0.03                                        | 0.1                                                                                |
| Zinc                              | 0.010                             | 0.10                                         | 4                                                                                  |
| Chloride                          | 2.8                               | 28                                           | 800                                                                                |
| Fluoride                          | 0.4                               | 4                                            | 10                                                                                 |
| Sulphate as SO <sub>4</sub>       | 10.0                              | 100                                          | 1000                                                                               |
| Total Dissolved Solids            | 90                                | 900                                          | 4000                                                                               |
| Phenol                            | <0.01                             | <0.1                                         | 1                                                                                  |
| Dissolved Organic Carbon          | 14                                | 140                                          | 500                                                                                |

**Note:**

Opinions, including ACM type and Asbestos level less than 0.1%, lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

QF-PM 3.1.15 v10

**Matrix : Solid**

7 of 15

**Client Name:** Tier Environmental

**Reference:** TE1456

**Location:** Net World Sports, Wrexham

**Contact:** Adrian Read

| EMT Job No.                                        | Batch | Sample ID | Depth | EMT Sample No. | Analysis | Reason |
|----------------------------------------------------|-------|-----------|-------|----------------|----------|--------|
| No deviating sample report results for job 21/5291 |       |           |       |                |          |        |

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

## NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 21/5291

### SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

### WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

### DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

### SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

### DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

### BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

### NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

Please include all sections of this report if it is reproduced

**REPORTS FROM THE SOUTH AFRICA LABORATORY**

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

**Measurement Uncertainty**

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

**ABBREVIATIONS and ACRONYMS USED**

|         |                                                                                                                                                                     |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| #       | ISO17025 (UKAS Ref No. 4225) accredited - UK.                                                                                                                       |
| SA      | ISO17025 (SANAS Ref No.T0729) accredited - South Africa                                                                                                             |
| B       | Indicates analyte found in associated method blank.                                                                                                                 |
| DR      | Dilution required.                                                                                                                                                  |
| M       | MCERTS accredited.                                                                                                                                                  |
| NA      | Not applicable                                                                                                                                                      |
| NAD     | No Asbestos Detected.                                                                                                                                               |
| ND      | None Detected (usually refers to VOC and/SVOC TICs).                                                                                                                |
| NDP     | No Determination Possible                                                                                                                                           |
| SS      | Calibrated against a single substance                                                                                                                               |
| SV      | Surrogate recovery outside performance criteria. This may be due to a matrix effect.                                                                                |
| W       | Results expressed on as received basis.                                                                                                                             |
| +       | AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.                                                          |
| >>      | Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited. |
| *       | Analysis subcontracted to an Element Materials Technology approved laboratory.                                                                                      |
| AD      | Samples are dried at 35°C ±5°C                                                                                                                                      |
| CO      | Suspected carry over                                                                                                                                                |
| LOD/LOR | Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS                                                                                           |
| ME      | Matrix Effect                                                                                                                                                       |
| NFD     | No Fibres Detected                                                                                                                                                  |
| BS      | AQC Sample                                                                                                                                                          |
| LB      | Blank Sample                                                                                                                                                        |
| N       | Client Sample                                                                                                                                                       |
| TB      | Trip Blank Sample                                                                                                                                                   |
| OC      | Outside Calibration Range                                                                                                                                           |

## HWOL ACRONYMS AND OPERATORS USED

|       |                                                                      |
|-------|----------------------------------------------------------------------|
| HS    | Headspace Analysis.                                                  |
| EH    | Extractable Hydrocarbons - i.e. everything extracted by the solvent. |
| CU    | Clean-up - e.g. by florisil, silica gel.                             |
| 1D    | GC - Single coil gas chromatography.                                 |
| Total | Aliphatics & Aromatics.                                              |
| AL    | Aliphatics only.                                                     |
| AR    | Aromatics only.                                                      |
| 2D    | GC-GC - Double coil gas chromatography.                              |
| #1    | EH_Total but with humics mathematically subtracted                   |
| #2    | EU_Total but with fatty acids mathematically subtracted              |
| _     | Operator - underscore to separate acronyms (exception for +).        |
| +     | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total   |
| MS    | Mass Spectrometry.                                                   |

EMT Job No: 21/5291

| Test Method No. | Description                                                                                                                                                                                                                                                                                                                 | Prep Method No. (if appropriate) | Description                                                                                                                                                                                       | ISO 17025 (UKAS/IS ANAS) | MCERTS (UK soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------|-------------------------------------------------|------------------------------|
| PM4             | Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.                                                                                                                                                               | PM0                              | No preparation is required.                                                                                                                                                                       |                          |                        | AR                                              |                              |
| TM4             | Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.                                                                                                                                                                                                                          | PM8                              | End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.                                                                             |                          |                        | AR                                              | Yes                          |
| TM4             | Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.                                                                                                                                                                                                                          | PM8                              | End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.                                                                             | Yes                      |                        | AR                                              | Yes                          |
| TM5             | Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GC/FID. For waters the solvent extracts dissolved phase plus a sheen if present.                                                                                                         | PM8/PM16                         | End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE. |                          |                        | AR                                              | Yes                          |
| TM5             | Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GC/FID. For waters the solvent extracts dissolved phase plus a sheen if present.                                                                                                         | PM8/PM16                         | End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE. | Yes                      |                        | AR                                              | Yes                          |
| TM5/TM36        | please refer to TM5 and TM36 for method details                                                                                                                                                                                                                                                                             | PM8/PM12/PM16                    | please refer to PM8/PM16 and PM12 for method details                                                                                                                                              |                          |                        | AR                                              | Yes                          |
| TM17            | Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.                                                                                                                                                                                                                | PM8                              | End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.                                                                             | Yes                      |                        | AR                                              | Yes                          |
| TM20            | Modified BS 1377-3:1990/USEPA 160.1/3 (TDS/TS: 1971) Gravimetric determination of Total Dissolved Solids/Total Solids                                                                                                                                                                                                       | PM0                              | No preparation is required.                                                                                                                                                                       |                          |                        | AR                                              | Yes                          |
| TM21            | Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4. | PM24                             | Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.                                              | Yes                      |                        | AD                                              | Yes                          |
| TM22            | Modified BS1377-3:1990 Gravimetric determination of Loss on Ignition by temperature controlled Muffle Furnace (35C-440C). On request modified ASTM D2974-00 LOI (105C-440C)                                                                                                                                                 | PM0                              | No preparation is required.                                                                                                                                                                       | Yes                      |                        | AD                                              | Yes                          |

EMT Job No: 21/5291

| Test Method No. | Description                                                                                                                                                                                                                                                                                                                      | Prep Method No. (if appropriate) | Description                                                                                                                                                                                                                                                                                                           | ISO 17025 (UKAS/IS ANAS) | MCERTS (UK soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------|-------------------------------------------------|------------------------------|
| TM26            | Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.                                                                                                                                                                                                               | PM0                              | No preparation is required.                                                                                                                                                                                                                                                                                           |                          |                        | AR                                              | Yes                          |
| TM26            | Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.                                                                                                                                                                                                               | PM21B                            | As Received samples are extracted in Methanol: Water (60:40) by reciprocal shaker.                                                                                                                                                                                                                                    |                          |                        | AR                                              | Yes                          |
| TM30            | Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry); WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009; SOILS by Modified USEP                                                                  | PM15                             | Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.                                                                                                                                                                         |                          |                        | AD                                              | Yes                          |
| TM30            | Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry); WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009; SOILS by Modified USEP                                                                  | PM15                             | Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.                                                                                                                                                                         | Yes                      |                        | AD                                              | Yes                          |
| TM30            | Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry); WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009; SOILS by Modified USEP                                                                  | PM17                             | Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.                                                                                                                           | Yes                      |                        | AR                                              | Yes                          |
| TM30            | Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry); WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009; SOILS by Modified USEP                                                                  | PM20                             | Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker. |                          |                        | AD                                              | Yes                          |
| TM36            | Modified US EPA method 8015B v2:1996, Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GC/FID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested. | PM12                             | Modified US EPA method 5021A v2:2014, Preparation of solid and liquid samples for GC headspace analysis.                                                                                                                                                                                                              |                          |                        | AR                                              | Yes                          |
| TM36            | Modified US EPA method 8015B v2:1996, Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GC/FID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested. | PM12                             | Modified US EPA method 5021A v2:2014, Preparation of solid and liquid samples for GC headspace analysis.                                                                                                                                                                                                              | Yes                      |                        | AR                                              | Yes                          |
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013                            | PM0                              | No preparation is required.                                                                                                                                                                                                                                                                                           | Yes                      |                        | AR                                              | Yes                          |
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013                            | PM20                             | Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker. |                          |                        | AD                                              | Yes                          |

EMT Job No: 21/5291

| Test Method No. | Description                                                                                                                                                                                                                                                                                           | Prep Method No. (if appropriate) | Description                                                                                                                                                                                                                                                                                                           | ISO 17025 (UKAS/IS ANAS) | MCERTS (UK soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------|-------------------------------------------------|------------------------------|
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013 | PM20                             | Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker. | Yes                      |                        | AD                                              | Yes                          |
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013 | PM20                             | Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker. |                          |                        | AR                                              | Yes                          |
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013 | PM20                             | Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker. | Yes                      |                        | AR                                              | Yes                          |
| TM50            | Acid soluble sulphate (Total Sulphate) analysed by ICP-OES                                                                                                                                                                                                                                            | PM29                             | A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.                                                                                                                                                                                                       |                          |                        | AD                                              | Yes                          |
| TM50            | Acid soluble sulphate (Total Sulphate) analysed by ICP-OES                                                                                                                                                                                                                                            | PM29                             | A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.                                                                                                                                                                                                       | Yes                      |                        | AD                                              | Yes                          |
| TM60            | TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060A (2002), APHA SMEWW 5310B:1999 22nd Edition, ASTM D 7573, and USEPA 415.1.                                                                          | PM0                              | No preparation is required.                                                                                                                                                                                                                                                                                           |                          |                        | AR                                              | Yes                          |
| TM65            | Asbestos Bulk Identification method based on HSG 248 First edition (2006)                                                                                                                                                                                                                             | PM42                             | Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.                                                                                                                            | Yes                      |                        | AR                                              |                              |
| TM73            | Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.                                                                                                                                                             | PM11                             | Extraction of as received solid samples using one part solid to 2.5 parts deionised water.                                                                                                                                                                                                                            | Yes                      |                        | AR                                              | No                           |
| TM77            | Modified DDCENT/TS method 15364:2006. Determination of Acid Neutralization Capacity by Metrohm automated probe analyser.                                                                                                                                                                              | PM0                              | No preparation is required.                                                                                                                                                                                                                                                                                           |                          |                        | AR                                              | No                           |
| TM173           | Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 9214 - 340.2 (EPA 1998)                                                                                                                                                                                               | PM0                              | No preparation is required.                                                                                                                                                                                                                                                                                           |                          |                        | AR                                              | Yes                          |

EMT Job No: 21/5291

| Test Method No. | Description                                                              | Prep Method No. (if appropriate) | Description                                                                                                                                                   | ISO 17025 (UKAS/ANAS) | MCERTS (UK soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|-----------------|--------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|-------------------------------------------------|------------------------------|
| NONE            | No Method Code                                                           | PM4                              | Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990. |                       |                        | AR                                              |                              |
| Subcontracted   | See attached subcontractor report for accreditation status and provider. |                                  |                                                                                                                                                               |                       |                        | AD                                              | Yes                          |
|                 |                                                                          |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                                                                          |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                                                                          |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                                                                          |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                                                                          |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                                                                          |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                                                                          |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |
|                 |                                                                          |                                  |                                                                                                                                                               |                       |                        |                                                 |                              |

# TEST CERTIFICATE

Certificate No: BC0029/21

Site : 21/5291

Ref : 43X10329

Client : Element Materials Technology

Date Received : 21/04/2021

Address : Unit 3  
Deeside Point  
Deeside Industrial Park  
Deeside

Date Completed : 27/04/2021

Date Of Report : 27/04/2021

CH5 2UA

Attention : Project Manager

Accreditation Key:

U = UKAS

M = UKAS & MCERTS

S = Subcontracted Tests

## Test Methods

Deviating Sample(s)

Standard Explosives Suite

This test certificate contains deviating samples: See Notes

using ESAL/QC/4 parts a, j, either k or LCMSsoils, HPLCsoils, NC by l or m

Approved :



Mr D.C. Poole

Laboratory manager

Mr P.D. Hart

Senior Analyst



1764

BAE SYSTEMS

# TABLE OF RESULTS

|                  |              |         |              |         |
|------------------|--------------|---------|--------------|---------|
| Lab Code         | 20210414     |         | 20210415     |         |
| Client Ref A     | 21/5291 - 22 |         | 21/5291 - 44 |         |
| Client Ref B     | 06/04/21     |         | 06/04/21     |         |
| Client Ref C     |              |         |              |         |
| Sample Type      | Soil         |         | Soil         |         |
| Soil Type        | Clay - Brown |         | Clay - Brown |         |
| NC Colour        | -ve          | U       | -ve          | U       |
| NC Colourimetric | <5000        | mg/kg U | <5000        | mg/kg U |
| HMX              | <2           | mg/kg M | <2           | mg/kg M |
| RDX              | <2           | mg/kg M | <2           | mg/kg M |
| EGDN             | <1           | mg/kg M | <1           | mg/kg M |
| Tetryl           | <1           | mg/kg M | <1           | mg/kg M |
| NG               | <1           | mg/kg M | <1           | mg/kg M |
| TNT              | <0.1         | mg/kg M | <0.1         | mg/kg M |
| 2,6-DNT          | <1           | mg/kg M | <1           | mg/kg M |
| 2,4-DNT          | <1           | mg/kg M | <1           | mg/kg M |
| PETN             | <5           | mg/kg M | <5           | mg/kg M |
| HNS              | <0.5         | mg/kg M | <0.5         | mg/kg M |
| Picrite          | <0.25        | mg/kg M | <0.25        | mg/kg M |
| Picric Acid      | <0.1         | mg/kg M | <0.1         | mg/kg M |

## COMMENTS AND DEPARTURES FROM STANDARD PROCEDURES

| Lab ID   | Client Descriptions |          | Notes                                                                                                                                                                                               |
|----------|---------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20210414 | 21/5291 - 22        | 06/04/21 | Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid. |
| 20210415 | 21/5291 - 44        | 06/04/21 | Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid. |

## NOTES

1. This test report shall not be reproduced except in full, without written approval of the laboratory.
2. All results for soil samples are reported based on dry weight of soil which has been air-dried in open, shallow trays at temperatures below 30°C and subsequently ground and sieved to pass through a nominal 710µm aperture sieve. Prior to grinding, any material which is retained on a sieve of mesh size 4.5mm is discarded. Analysis is carried out directly on these prepared soils with the exception of petrol range organic compounds. These analyses are carried out on the soil "As Received" and corrected for the dry weight (at 105 °C) prior to reporting.
3. BAE Systems does not correct results for analytical recoveries.
4. All samples were received in good condition unless otherwise stated. Results provided by the Laboratory are based on samples submitted by clients. The Laboratory cannot be held responsible for the storage, condition or preservation of samples prior to arrival.
5. Validation studies indicate that the concentration of nitrocellulose in high organic content soils may be overestimated.
6. Results stated in this test report relate only to the samples tested.
7. Soil descriptions are given in order to provide a log of sample matrices submitted and are not intended as full geological descriptions.
8. The initials or common names used for reporting explosives relate to the following compounds: Nitrocellulose(NC); Cyclotetramethylene Tetranitramine (HMX); Cyclo-1,3,5-Trimethylene-2,4,6-Trinitramine (RDX); Ethylene Glycol Dinitrate (EGDN); 2,4,6-Trinitro-Phenylmethyl Nitramine (Tetryl); Glycerol Trinitrate (NG); 2,4,6-Trinitrotoluene (TNT); Pentaerythritol Tetranitrate (PETN); Hexanitro-Stilbene (HNS); Nitroguanidine (Picrite); 2,4,6-Trinitro Phenol (Picric Acid); 2,4-Dinitrotoluene (2,4-DNT); 2,6-Dinitrotoluene (2,6-DNT), 2-Amino-4,6-Dinitrotoluene (2-Amino-4,6-DNT), 4-Amino-4,6-Dinitrotoluene (4-Amino-2,6-DNT).
9. Some reporting limits may be raised due to poor recovery of internal standard or dilution of highly contaminated samples.
10. In unacidified waters Tetryl, 1,3,5-TNB, 1,3-DNB and TNT are unstable decaying rapidly over a few days or less depending on the sample matrix. 2-Amino-4,6-DNT, 2,6-DNT and 2,4-DNT are generally more stable depending on the sample matrix, but are likely to show significant loss after three weeks. HMX, RDX, EGDN, PETN, NB, MNT isomers, 4-Amino-2,6-DNT, Picrite and Picric acid are relatively stable after three weeks in unpreserved water samples. These comments are based on laboratory in house trials in surface and ground waters and results from literature searches.
11. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

**End of Report BC0029/21**

# Waste Classification Report



3PYX3-H98JW-Q9TET

## Job name

EMT-21-5291-Batch-1-File-1

## Description/Comments

## Project

Net World Sports, Wrexham Industrial Estate

## Site

TE1456

## Related Documents

| # | Name                            | Description                       |
|---|---------------------------------|-----------------------------------|
| 1 | EMT-21-5291-Batch-1-File-1.HWOL | .hwol file used to create the Job |

## Waste Stream Template

Example waste stream template for contaminated soils

## Classified by

**Name:**  
**Jessica Rogers**  
**Date:**  
**28 Apr 2021 11:39 GMT**  
**Telephone:**  
**01925 818388**

**Company:**  
**Tier Environmental**  
**Chadwick house**  
**Warrington Road,**

HazWasteOnline™ Training Record:

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

## Report

Created by: Jessica Rogers  
Created date: 28 Apr 2021 11:39 GMT

## Job summary

| # | Sample Name          | Depth [m] | Classification Result | Hazard properties | Page |
|---|----------------------|-----------|-----------------------|-------------------|------|
| 1 | WS1-06/04/2021-0.20m |           | Non Hazardous         |                   | 2    |
| 2 | WS4-06/04/2021-1.80m |           | Non Hazardous         |                   | 4    |
| 3 | WS6-06/04/2021-0.10m |           | Non Hazardous         |                   | 6    |
| 4 | CP1-09/04/2021-0.80m |           | Non Hazardous         |                   | 8    |
| 5 | WS3-06/04/2021-0.20m |           | Non Hazardous         |                   | 10   |

| Appendices                                              | Page |
|---------------------------------------------------------|------|
| Appendix A: Classifier defined and non CLP determinands | 12   |
| Appendix B: Rationale for selection of metal species    | 13   |
| Appendix C: Version                                     | 14   |

## Classification of sample: WS1-06/04/2021-0.20m

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

## Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>WS1-06/04/2021-0.20m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>26.1%</b>                | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

Moisture content: 26.1% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |              |                |              |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 14.4 mg/kg        | 1.32         | 15.077 mg/kg   | 0.00151 %    |                      | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |              |                |              |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | 0.4 mg/kg         | 1.142        | 0.362 mg/kg    | 0.0000362 %  |                      | ✓          |                |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |              |                |              |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 69.1 mg/kg        | 1.462        | 80.09 mg/kg    | 0.00801 %    |                      | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |              |                |              |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3 mg/kg        | 2.27         | <0.681 mg/kg   | <0.0000681 % |                      |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |              |                |              |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 41 mg/kg          | 1.126        | 36.607 mg/kg   | 0.00366 %    |                      | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |              |                |              |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 55 mg/kg          | 1.56         | 68.033 mg/kg   | 0.00436 %    |                      | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |              |                |              |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1 mg/kg        | 1.353        | <0.135 mg/kg   | <0.0000135 % |                      |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |              |                |              |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 52.8 mg/kg        | 2.976        | 124.621 mg/kg  | 0.0125 %     |                      | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |              |                |              |                      |            |                |
| 9  | selenium { nickel selenate }                                                                                                                            |           |            |          | 1 mg/kg           | 2.554        | 2.025 mg/kg    | 0.000203 %   |                      | ✓          |                |
|    | 028-031-00-5                                                                                                                                            | 239-125-2 | 15060-62-5 |          |                   |              |                |              |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 213 mg/kg         | 2.774        | 468.591 mg/kg  | 0.0469 %     |                      | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |              |                |              |                      |            |                |
| 11 | 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  |          |                   |              |                |              |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |              |                |              |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |              |                |              |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |              |                |              |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 7.75 pH           |              | 7.75 pH        | 7.75 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | 0.05 mg/kg        |              | 0.0397 mg/kg   | 0.00000397 %         | ✓          |                |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | 0.06 mg/kg        |              | 0.0476 mg/kg   | 0.00000476 %         | ✓          |                |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | 0.05 mg/kg        |              | 0.0397 mg/kg   | 0.00000397 %         | ✓          |                |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | 0.72 mg/kg        |              | 0.571 mg/kg    | 0.0000571 %          | ✓          |                |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | 0.2 mg/kg         |              | 0.159 mg/kg    | 0.0000159 %          | ✓          |                |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | 2.42 mg/kg        |              | 1.919 mg/kg    | 0.000192 %           | ✓          |                |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | 2.06 mg/kg        |              | 1.634 mg/kg    | 0.000163 %           | ✓          |                |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | 1.36 mg/kg        |              | 1.079 mg/kg    | 0.000108 %           | ✓          |                |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | 1.41 mg/kg        |              | 1.118 mg/kg    | 0.000112 %           | ✓          |                |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | 2.05 mg/kg        |              | 1.626 mg/kg    | 0.000163 %           | ✓          |                |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | 0.8 mg/kg         |              | 0.634 mg/kg    | 0.0000634 %          | ✓          |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | 1.56 mg/kg        |              | 1.237 mg/kg    | 0.000124 %           | ✓          |                |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | 1.12 mg/kg        |              | 0.888 mg/kg    | 0.0000888 %          | ✓          |                |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | 0.23 mg/kg        |              | 0.182 mg/kg    | 0.0000182 %          | ✓          |                |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | 1.05 mg/kg        |              | 0.833 mg/kg    | 0.0000833 %          | ✓          |                |
| 33     | sulfur { sulphur dichloride }<br>016-013-00-X      | 234-129-0                                                        | 10545-99-0                                                   |          | 300 mg/kg         | 3.211        | 763.994 mg/kg  | 0.0764 %             | ✓          |                |
| 34     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.16 %               |            |                |

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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Classification of sample: WS4-06/04/2021-1.80m

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

## Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>WS4-06/04/2021-1.80m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>18.1%</b>                | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

Moisture content: 18.1% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |              |                |              |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 10.3 mg/kg        | 1.32         | 11.515 mg/kg   | 0.00115 %    |                      | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |              |                |              |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | <0.1 mg/kg        | 1.142        | <0.114 mg/kg   | <0.0000114 % |                      |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |              |                |              |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 46.2 mg/kg        | 1.462        | 57.175 mg/kg   | 0.00572 %    |                      | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |              |                |              |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3 mg/kg        | 2.27         | <0.681 mg/kg   | <0.0000681 % |                      |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |              |                |              |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 26 mg/kg          | 1.126        | 24.787 mg/kg   | 0.00248 %    |                      | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |              |                |              |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 19 mg/kg          | 1.56         | 25.094 mg/kg   | 0.00161 %    |                      | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |              |                |              |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1 mg/kg        | 1.353        | <0.135 mg/kg   | <0.0000135 % |                      |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |              |                |              |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 38.8 mg/kg        | 2.976        | 97.781 mg/kg   | 0.00978 %    |                      | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |              |                |              |                      |            |                |
| 9  | 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 |          |                   |              |                |              |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 70 mg/kg          | 2.774        | 164.429 mg/kg  | 0.0164 %     |                      | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |              |                |              |                      |            |                |
| 11 | 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  |          |                   |              |                |              |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |              |                |              |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |              |                |              |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |              |                |              |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 8.65 pH           |              | 8.65 pH        | 8.65 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 %          |            | <LOD           |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 33     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.0428 %             |            |                |

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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Classification of sample: WS6-06/04/2021-0.10m

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

## Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>WS6-06/04/2021-0.10m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>18%</b>                  | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

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

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |              |                |              |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 10 mg/kg          | 1.32         | 11.189 mg/kg   | 0.00112 %    |                      | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |              |                |              |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | <0.1 mg/kg        | 1.142        | <0.114 mg/kg   | <0.0000114 % |                      |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |              |                |              |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 47.4 mg/kg        | 1.462        | 58.71 mg/kg    | 0.00587 %    |                      | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |              |                |              |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3 mg/kg        | 2.27         | <0.681 mg/kg   | <0.0000681 % |                      |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |              |                |              |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 23 mg/kg          | 1.126        | 21.945 mg/kg   | 0.00219 %    |                      | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |              |                |              |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 14 mg/kg          | 1.56         | 18.506 mg/kg   | 0.00119 %    |                      | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |              |                |              |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1 mg/kg        | 1.353        | <0.135 mg/kg   | <0.0000135 % |                      |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |              |                |              |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 39.4 mg/kg        | 2.976        | 99.377 mg/kg   | 0.00994 %    |                      | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |              |                |              |                      |            |                |
| 9  | 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 |          |                   |              |                |              |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 66 mg/kg          | 2.774        | 155.164 mg/kg  | 0.0155 %     |                      | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |              |                |              |                      |            |                |
| 11 | 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  |          |                   |              |                |              |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |              |                |              |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |              |                |              |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |              |                |              |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 8.76 pH           |              | 8.76 pH        | 8.76 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 %          |            | <LOD           |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 33     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.0414 %             |            |                |

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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Classification of sample: CP1-09/04/2021-0.80m

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

## Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>CP1-09/04/2021-0.80m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>27.1%</b>                | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

Moisture content: 27.1% Dry Weight Moisture Correction applied (MC)

| #  |  | Determinand                                                                                                                                                     |           |            | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    |  | CLP index number                                                                                                                                                | EC Number | CAS Number |          |                   |       |              |                |       |                      |            |                |
| 1  |  | arsenic { <b>arsenic trioxide</b> }                                                                                                                             |           |            |          | 11.2              | mg/kg | 1.32         | 11.635         | mg/kg | 0.00116 %            | ✓          |                |
|    |  | 033-003-00-0                                                                                                                                                    | 215-481-4 | 1327-53-3  |          |                   |       |              |                |       |                      |            |                |
| 2  |  | cadmium { <b>cadmium oxide</b> }                                                                                                                                |           |            |          | 0.1               | mg/kg | 1.142        | 0.0899         | mg/kg | 0.00000899 %         | ✓          |                |
|    |  | 048-002-00-0                                                                                                                                                    | 215-146-2 | 1306-19-0  |          |                   |       |              |                |       |                      |            |                |
| 3  |  | chromium in chromium(III) compounds {<br><b>chromium(III) oxide (worst case)</b> }                                                                              |           |            |          | 54                | mg/kg | 1.462        | 62.096         | mg/kg | 0.00621 %            | ✓          |                |
|    |  |                                                                                                                                                                 | 215-160-9 | 1308-38-9  |          |                   |       |              |                |       |                      |            |                |
| 4  |  | chromium in chromium(VI) compounds { <b>chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex</b> } |           |            |          | <0.3              | mg/kg | 2.27         | <0.681         | mg/kg | <0.0000681 %         |            | <LOD           |
|    |  | 024-017-00-8                                                                                                                                                    |           |            |          |                   |       |              |                |       |                      |            |                |
| 5  |  | copper { <b>dicopper oxide; copper (I) oxide</b> }                                                                                                              |           |            |          | 20                | mg/kg | 1.126        | 17.717         | mg/kg | 0.00177 %            | ✓          |                |
|    |  | 029-002-00-X                                                                                                                                                    | 215-270-7 | 1317-39-1  |          |                   |       |              |                |       |                      |            |                |
| 6  |  | lead { <b>lead chromate</b> }                                                                                                                                   |           |            | 1        | 37                | mg/kg | 1.56         | 45.408         | mg/kg | 0.00291 %            | ✓          |                |
|    |  | 082-004-00-2                                                                                                                                                    | 231-846-0 | 7758-97-6  |          |                   |       |              |                |       |                      |            |                |
| 7  |  | mercury { <b>mercury dichloride</b> }                                                                                                                           |           |            |          | <0.1              | mg/kg | 1.353        | <0.135         | mg/kg | <0.0000135 %         |            | <LOD           |
|    |  | 080-010-00-X                                                                                                                                                    | 231-299-8 | 7487-94-7  |          |                   |       |              |                |       |                      |            |                |
| 8  |  | nickel { <b>nickel chromate</b> }                                                                                                                               |           |            |          | 35.8              | mg/kg | 2.976        | 83.832         | mg/kg | 0.00838 %            | ✓          |                |
|    |  | 028-035-00-7                                                                                                                                                    | 238-766-5 | 14721-18-7 |          |                   |       |              |                |       |                      |            |                |
| 9  |  | selenium { <b>nickel selenate</b> }                                                                                                                             |           |            |          | 1                 | mg/kg | 2.554        | 2.009          | mg/kg | 0.000201 %           | ✓          |                |
|    |  | 028-031-00-5                                                                                                                                                    | 239-125-2 | 15060-62-5 |          |                   |       |              |                |       |                      |            |                |
| 10 |  | zinc { <b>zinc chromate</b> }                                                                                                                                   |           |            |          | 70                | mg/kg | 2.774        | 152.785        | mg/kg | 0.0153 %             | ✓          |                |
|    |  | 024-007-00-3                                                                                                                                                    | 236-878-9 | 13530-65-9 |          |                   |       |              |                |       |                      |            |                |
| 11 |  | 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  |          |                   |       |              |                |       |                      |            |                |
| 12 |  | benzene                                                                                                                                                         |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    |  | 601-020-00-8                                                                                                                                                    | 200-753-7 | 71-43-2    |          |                   |       |              |                |       |                      |            |                |
| 13 |  | toluene                                                                                                                                                         |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    |  | 601-021-00-3                                                                                                                                                    | 203-625-9 | 108-88-3   |          |                   |       |              |                |       |                      |            |                |
| 14 |  | ethylbenzene                                                                                                                                                    |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    |  | 601-023-00-4                                                                                                                                                    | 202-849-4 | 100-41-4   |          |                   |       |              |                |       |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 8.07 pH           |              | 8.07 pH        | 8.07 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | 0.1 mg/kg         |              | 0.0787 mg/kg   | 0.00000787 %         | ✓          |                |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | 0.17 mg/kg        |              | 0.134 mg/kg    | 0.0000134 %          | ✓          |                |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | 0.14 mg/kg        |              | 0.11 mg/kg     | 0.000011 %           | ✓          |                |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | 0.09 mg/kg        |              | 0.0708 mg/kg   | 0.00000708 %         | ✓          |                |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | 0.08 mg/kg        |              | 0.0629 mg/kg   | 0.00000629 %         | ✓          |                |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | 0.1 mg/kg         |              | 0.0787 mg/kg   | 0.00000787 %         | ✓          |                |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | 0.04 mg/kg        |              | 0.0315 mg/kg   | 0.00000315 %         | ✓          |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | 0.08 mg/kg        |              | 0.0629 mg/kg   | 0.00000629 %         | ✓          |                |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | 0.05 mg/kg        |              | 0.0393 mg/kg   | 0.00000393 %         | ✓          |                |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | 0.05 mg/kg        |              | 0.0393 mg/kg   | 0.00000393 %         | ✓          |                |
| 33     | sulfur { sulphur dichloride }<br>016-013-00-X      | 234-129-0                                                        | 10545-99-0                                                   |          | 400 mg/kg         | 3.211        | 1010.644 mg/kg | 0.101 %              | ✓          |                |
| 34     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.142 %              |            |                |

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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Classification of sample: WS3-06/04/2021-0.20m

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

## Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>WS3-06/04/2021-0.20m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>27.8%</b>                | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

Moisture content: 27.8% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |              |                |              |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 11.8 mg/kg        | 1.32         | 12.191 mg/kg   | 0.00122 %    |                      | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |              |                |              |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | <0.1 mg/kg        | 1.142        | <0.114 mg/kg   | <0.0000114 % |                      |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |              |                |              |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 53.3 mg/kg        | 1.462        | 60.955 mg/kg   | 0.0061 %     |                      | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |              |                |              |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3 mg/kg        | 2.27         | <0.681 mg/kg   | <0.0000681 % |                      |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |              |                |              |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 16 mg/kg          | 1.126        | 14.096 mg/kg   | 0.00141 %    |                      | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |              |                |              |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 39 mg/kg          | 1.56         | 47.6 mg/kg     | 0.00305 %    |                      | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |              |                |              |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1 mg/kg        | 1.353        | <0.135 mg/kg   | <0.0000135 % |                      |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |              |                |              |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 31.8 mg/kg        | 2.976        | 74.057 mg/kg   | 0.00741 %    |                      | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |              |                |              |                      |            |                |
| 9  | selenium { nickel selenate }                                                                                                                            |           |            |          | 1 mg/kg           | 2.554        | 1.998 mg/kg    | 0.0002 %     |                      | ✓          |                |
|    | 028-031-00-5                                                                                                                                            | 239-125-2 | 15060-62-5 |          |                   |              |                |              |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 77 mg/kg          | 2.774        | 167.143 mg/kg  | 0.0167 %     |                      | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |              |                |              |                      |            |                |
| 11 | 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  |          |                   |              |                |              |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |              |                |              |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |              |                |              |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |              |                |              |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 7.11 pH           |              | 7.11 pH        | 7.11 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 %          |            | <LOD           |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 33     | polychlorobiphenyls; PCB<br>602-039-00-4           | 215-648-1                                                        | 1336-36-3                                                    |          | <0.035 mg/kg      |              | <0.035 mg/kg   | <0.0000035 %         |            | <LOD           |
| 34     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| 35     | coronene<br>205-881-7                              |                                                                  | 191-07-1                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.0415 %             |            |                |

#### 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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Appendix A: Classifier defined and non CLP 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

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

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

### • **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

 **Total TPH** (CAS Number: GTC05C40ALAR)

Description/Comments:

Data source:

Data source date: 24 Feb 2021

Hazard Statements: None.

▣ **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP index number: 602-039-00-4

Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans; POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 1A H350

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

▣ **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases;

SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>

Data source date: 16 Jun 2014

Hazard Statements: STOT SE 2 H371

## 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)

### 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) Worst 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)

#### 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 chromate}

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

#### sulfur {sulphur dichloride}

Assumed worst case compound

### Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**

HazWasteOnline Classification Engine Version: 2021.117.4756.9097 (27 Apr 2021)

HazWasteOnline Database: 2021.117.4756.9097 (27 Apr 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

# Waste Classification Report



3MK39-626J5-YG37E

## Job name

EMT-21-5291-Batch-1-File-2

## Description/Comments

## Project

TE1456

## Site

Net World Sports, Wrexham Industrial Estate

## Related Documents

| # | Name                            | Description                       |
|---|---------------------------------|-----------------------------------|
| 1 | EMT-21-5291-Batch-1-File-2.HWOL | .hwol file used to create the Job |

## Waste Stream Template

Example waste stream template for contaminated soils

## Classified by

Name:  
**Jessica Rogers**  
Date:  
**28 Apr 2021 11:44 GMT**  
Telephone:  
**01925 818388**

Company:  
**Tier Environmental**  
**Chadwick house**  
**Warrington Road,**

HazWasteOnline™ Training Record:

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

## Report

Created by: Jessica Rogers  
Created date: 28 Apr 2021 11:44 GMT

## Job summary

| # | Sample Name          | Depth [m] | Classification Result | Hazard properties | Page |
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| 1 | WS1-06/04/2021-0.20m |           | Non Hazardous         |                   | 2    |
| 2 | WS4-06/04/2021-1.80m |           | Non Hazardous         |                   | 4    |
| 3 | WS6-06/04/2021-0.10m |           | Non Hazardous         |                   | 6    |
| 4 | CP1-09/04/2021-0.80m |           | Non Hazardous         |                   | 9    |
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## Appendices

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**Classification of sample: WS1-06/04/2021-0.20m**

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

**Sample details**

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>WS1-06/04/2021-0.20m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>26.1%</b>                | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

**Hazard properties**

None identified

**Determinands**

Moisture content: 26.1% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |       |              |                |       |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 14.4              | mg/kg | 1.32         | 15.077         | mg/kg | 0.00151 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |       |              |                |       |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | 0.4               | mg/kg | 1.142        | 0.362          | mg/kg | 0.0000362 %          | ✓          |                |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |       |              |                |       |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 69.1              | mg/kg | 1.462        | 80.09          | mg/kg | 0.00801 %            | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |       |              |                |       |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3              | mg/kg | 2.27         | <0.681         | mg/kg | <0.0000681 %         |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |       |              |                |       |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 41                | mg/kg | 1.126        | 36.607         | mg/kg | 0.00366 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |       |              |                |       |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 55                | mg/kg | 1.56         | 68.033         | mg/kg | 0.00436 %            | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |       |              |                |       |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1              | mg/kg | 1.353        | <0.135         | mg/kg | <0.0000135 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |       |              |                |       |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 52.8              | mg/kg | 2.976        | 124.621        | mg/kg | 0.0125 %             | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |       |              |                |       |                      |            |                |
| 9  | selenium { nickel selenate }                                                                                                                            |           |            |          | 1                 | mg/kg | 2.554        | 2.025          | mg/kg | 0.000203 %           | ✓          |                |
|    | 028-031-00-5                                                                                                                                            | 239-125-2 | 15060-62-5 |          |                   |       |              |                |       |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 213               | mg/kg | 2.774        | 468.591        | mg/kg | 0.0469 %             | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |       |              |                |       |                      |            |                |
| 11 | 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  |          |                   |       |              |                |       |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |       |              |                |       |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |       |              |                |       |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |       |              |                |       |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 7.75 pH           |              | 7.75 pH        | 7.75 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | 0.05 mg/kg        |              | 0.0397 mg/kg   | 0.00000397 %         | ✓          |                |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | 0.06 mg/kg        |              | 0.0476 mg/kg   | 0.00000476 %         | ✓          |                |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | 0.05 mg/kg        |              | 0.0397 mg/kg   | 0.00000397 %         | ✓          |                |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | 0.72 mg/kg        |              | 0.571 mg/kg    | 0.0000571 %          | ✓          |                |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | 0.2 mg/kg         |              | 0.159 mg/kg    | 0.0000159 %          | ✓          |                |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | 2.42 mg/kg        |              | 1.919 mg/kg    | 0.000192 %           | ✓          |                |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | 2.06 mg/kg        |              | 1.634 mg/kg    | 0.000163 %           | ✓          |                |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | 1.36 mg/kg        |              | 1.079 mg/kg    | 0.000108 %           | ✓          |                |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | 1.41 mg/kg        |              | 1.118 mg/kg    | 0.000112 %           | ✓          |                |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | 2.05 mg/kg        |              | 1.626 mg/kg    | 0.000163 %           | ✓          |                |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | 0.8 mg/kg         |              | 0.634 mg/kg    | 0.0000634 %          | ✓          |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | 1.56 mg/kg        |              | 1.237 mg/kg    | 0.000124 %           | ✓          |                |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | 1.12 mg/kg        |              | 0.888 mg/kg    | 0.0000888 %          | ✓          |                |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | 0.23 mg/kg        |              | 0.182 mg/kg    | 0.0000182 %          | ✓          |                |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | 1.05 mg/kg        |              | 0.833 mg/kg    | 0.0000833 %          | ✓          |                |
| 33     | sulfur { sulphur dichloride }<br>016-013-00-X      | 234-129-0                                                        | 10545-99-0                                                   |          | 300 mg/kg         | 3.211        | 763.994 mg/kg  | 0.0764 %             | ✓          |                |
| 34     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.16 %               |            |                |

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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

**Classification of sample: WS4-06/04/2021-1.80m**

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

**Sample details**

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>WS4-06/04/2021-1.80m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>18.1%</b>                | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

**Hazard properties**

None identified

**Determinands**

Moisture content: 18.1% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |       |              |                |       |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 10.3              | mg/kg | 1.32         | 11.515         | mg/kg | 0.00115 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |       |              |                |       |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | <0.1              | mg/kg | 1.142        | <0.114         | mg/kg | <0.0000114 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |       |              |                |       |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 46.2              | mg/kg | 1.462        | 57.175         | mg/kg | 0.00572 %            | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |       |              |                |       |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3              | mg/kg | 2.27         | <0.681         | mg/kg | <0.0000681 %         |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |       |              |                |       |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 26                | mg/kg | 1.126        | 24.787         | mg/kg | 0.00248 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |       |              |                |       |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 19                | mg/kg | 1.56         | 25.094         | mg/kg | 0.00161 %            | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |       |              |                |       |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1              | mg/kg | 1.353        | <0.135         | mg/kg | <0.0000135 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |       |              |                |       |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 38.8              | mg/kg | 2.976        | 97.781         | mg/kg | 0.00978 %            | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |       |              |                |       |                      |            |                |
| 9  | 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 |          |                   |       |              |                |       |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 70                | mg/kg | 2.774        | 164.429        | mg/kg | 0.0164 %             | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |       |              |                |       |                      |            |                |
| 11 | 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  |          |                   |       |              |                |       |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |       |              |                |       |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |       |              |                |       |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |       |              |                |       |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 8.65 pH           |              | 8.65 pH        | 8.65 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 %          |            | <LOD           |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 33     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.0428 %             |            |                |

#### 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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Classification of sample: WS6-06/04/2021-0.10m

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

## Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>WS6-06/04/2021-0.10m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>18%</b>                  | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

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

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |              |                |              |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 10 mg/kg          | 1.32         | 11.189 mg/kg   | 0.00112 %    |                      | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |              |                |              |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | <0.1 mg/kg        | 1.142        | <0.114 mg/kg   | <0.0000114 % |                      |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |              |                |              |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 47.4 mg/kg        | 1.462        | 58.71 mg/kg    | 0.00587 %    |                      | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |              |                |              |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3 mg/kg        | 2.27         | <0.681 mg/kg   | <0.0000681 % |                      |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |              |                |              |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 23 mg/kg          | 1.126        | 21.945 mg/kg   | 0.00219 %    |                      | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |              |                |              |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 14 mg/kg          | 1.56         | 18.506 mg/kg   | 0.00119 %    |                      | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |              |                |              |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1 mg/kg        | 1.353        | <0.135 mg/kg   | <0.0000135 % |                      |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |              |                |              |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 39.4 mg/kg        | 2.976        | 99.377 mg/kg   | 0.00994 %    |                      | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |              |                |              |                      |            |                |
| 9  | 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 |          |                   |              |                |              |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 66 mg/kg          | 2.774        | 155.164 mg/kg  | 0.0155 %     |                      | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |              |                |              |                      |            |                |
| 11 | 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  |          |                   |              |                |              |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |              |                |              |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |              |                |              |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |              |                |              |                      |            |                |

| #      | Determinand                                                   |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|---------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                              | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                            |                                                                  | PH                                                           |          | 8.76 pH           |              | 8.76 pH        | 8.76 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                                   | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                                | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                                  | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                                      | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                                  | 201-581-5                                                        | 85-01-8                                                      |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 22     | anthracene                                                    | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                                  | 205-912-4                                                        | 206-44-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 24     | pyrene                                                        | 204-927-3                                                        | 129-00-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 25     | benzo[a]anthracene<br>601-033-00-9                            | 200-280-6                                                        | 56-55-3                                                      |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 %          |            | <LOD           |
| 26     | chrysene<br>601-048-00-0                                      | 205-923-4                                                        | 218-01-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 27     | benzo[b]fluoranthene<br>601-034-00-4                          | 205-911-9                                                        | 205-99-2                                                     |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 28     | benzo[k]fluoranthene<br>601-036-00-5                          | 205-916-6                                                        | 207-08-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3            | 200-028-5                                                        | 50-32-8                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 30     | indeno[123-cd]pyrene<br>205-893-2                             |                                                                  | 193-39-5                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2                         | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                               |                                                                  | 191-24-2                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 33     | Total TPH<br>GTC05C40ALAR                                     |                                                                  |                                                              |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| 34     | ethylene dinitrate; ethylene glycol dinitrate<br>603-032-00-9 | 211-063-0                                                        | 628-96-6                                                     |          | <                 |              | <              | <                    |            | ND             |
| 35     | N-methyl-N-2,4,6-tetranitroaniline; tetryl<br>612-017-00-6    | 207-531-9                                                        | 479-45-8                                                     |          | <                 |              | <              | <                    |            | ND             |
| 36     | glycerol trinitrate; nitroglycerine<br>603-034-00-X           | 200-240-8                                                        | 55-63-0                                                      |          | <                 |              | <              | <                    |            | ND             |
| 37     | 2,4,6-trinitrotoluene; TNT<br>609-008-00-4                    | 204-289-6                                                        | 118-96-7                                                     |          | <                 |              | <              | <                    |            | ND             |
| 38     | 2,6-dinitrotoluene<br>609-049-00-8                            | 210-106-0                                                        | 606-20-2                                                     |          | <                 |              | <              | <                    |            | ND             |
| 39     | 2,4-dinitrotoluene; [1] dinitrotoluene [2]<br>609-007-00-9    | 204-450-0 [1]<br>246-836-1 [2]                                   | 121-14-2 [1]<br>25321-14-6 [2]                               |          | <                 |              | <              | <                    |            | ND             |
| 40     | pentaerythritol tetranitrate; P.E.T.N.<br>603-035-00-5        | 201-084-3                                                        | 78-11-5                                                      |          | <                 |              | <              | <                    |            | ND             |
| 41     | 2,4,6-trinitrophenol; picric acid<br>609-009-00-X             | 201-865-9                                                        | 88-89-1                                                      |          | <                 |              | <              | <                    |            | ND             |
| Total: |                                                               |                                                                  |                                                              |          |                   |              |                | 0.0414 %             |            |                |



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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

Classification of sample: CP1-09/04/2021-0.80m

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

Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>CP1-09/04/2021-0.80m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>27.1%</b>                | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

Hazard properties

None identified

Determinands

Moisture content: 27.1% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                              |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                         | EC Number | CAS Number |          |                   |              |                |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                             |           |            |          | 11.2 mg/kg        | 1.32         | 11.635 mg/kg   | 0.00116 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4 | 1327-53-3  |          |                   |              |                |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                                |           |            |          | 0.1 mg/kg         | 1.142        | 0.0899 mg/kg   | 0.00000899 %         | ✓          |                |
|    | 048-002-00-0                                                                                                                                             | 215-146-2 | 1306-19-0  |          |                   |              |                |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |           |            |          | 54 mg/kg          | 1.462        | 62.096 mg/kg   | 0.00621 %            | ✓          |                |
|    |                                                                                                                                                          | 215-160-9 | 1308-38-9  |          |                   |              |                |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3 mg/kg        | 2.27         | <0.681 mg/kg   | <0.0000681 %         |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |           |            |          |                   |              |                |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |           |            |          | 20 mg/kg          | 1.126        | 17.717 mg/kg   | 0.00177 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7 | 1317-39-1  |          |                   |              |                |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                   |           |            | 1        | 37 mg/kg          | 1.56         | 45.408 mg/kg   | 0.00291 %            | ✓          |                |
|    | 082-004-00-2                                                                                                                                             | 231-846-0 | 7758-97-6  |          |                   |              |                |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                           |           |            |          | <0.1 mg/kg        | 1.353        | <0.135 mg/kg   | <0.0000135 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8 | 7487-94-7  |          |                   |              |                |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                               |           |            |          | 35.8 mg/kg        | 2.976        | 83.832 mg/kg   | 0.00838 %            | ✓          |                |
|    | 028-035-00-7                                                                                                                                             | 238-766-5 | 14721-18-7 |          |                   |              |                |                      |            |                |
| 9  | selenium { nickel selenate }                                                                                                                             |           |            |          | 1 mg/kg           | 2.554        | 2.009 mg/kg    | 0.000201 %           | ✓          |                |
|    | 028-031-00-5                                                                                                                                             | 239-125-2 | 15060-62-5 |          |                   |              |                |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                   |           |            |          | 70 mg/kg          | 2.774        | 152.785 mg/kg  | 0.0153 %             | ✓          |                |
|    | 024-007-00-3                                                                                                                                             | 236-878-9 | 13530-65-9 |          |                   |              |                |                      |            |                |
| 11 | 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  |          |                   |              |                |                      |            |                |
| 12 | benzene                                                                                                                                                  |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                             | 200-753-7 | 71-43-2    |          |                   |              |                |                      |            |                |
| 13 | toluene                                                                                                                                                  |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|    | 601-021-00-3                                                                                                                                             | 203-625-9 | 108-88-3   |          |                   |              |                |                      |            |                |
| 14 | ethylbenzene                                                                                                                                             |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|    | 601-023-00-4                                                                                                                                             | 202-849-4 | 100-41-4   |          |                   |              |                |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |       |              |                |       |                      |            |                |
| 15     | xylene<br>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] |          | <0.01             | mg/kg |              | <0.01          | mg/kg | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 8.07              | pH    |              | 8.07           | pH    | 8.07 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03             | mg/kg |              | <0.03          | mg/kg | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | 0.1               | mg/kg |              | 0.0787         | mg/kg | 0.00000787 %         | ✓          |                |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | 0.17              | mg/kg |              | 0.134          | mg/kg | 0.0000134 %          | ✓          |                |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | 0.14              | mg/kg |              | 0.11           | mg/kg | 0.000011 %           | ✓          |                |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | 0.09              | mg/kg |              | 0.0708         | mg/kg | 0.00000708 %         | ✓          |                |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | 0.08              | mg/kg |              | 0.0629         | mg/kg | 0.00000629 %         | ✓          |                |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | 0.1               | mg/kg |              | 0.0787         | mg/kg | 0.00000787 %         | ✓          |                |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | 0.04              | mg/kg |              | 0.0315         | mg/kg | 0.00000315 %         | ✓          |                |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | 0.08              | mg/kg |              | 0.0629         | mg/kg | 0.00000629 %         | ✓          |                |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  | 193-39-5                                                         |                                                              |          | 0.05              | mg/kg |              | 0.0393         | mg/kg | 0.00000393 %         | ✓          |                |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    | 191-24-2                                                         |                                                              |          | 0.05              | mg/kg |              | 0.0393         | mg/kg | 0.00000393 %         | ✓          |                |
| 33     | sulfur { sulphur dichloride }<br>016-013-00-X      | 234-129-0                                                        | 10545-99-0                                                   |          | 400               | mg/kg | 3.211        | 1010.644       | mg/kg | 0.101 %              | ✓          |                |
| 34     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52               | mg/kg |              | <52            | mg/kg | <0.0052 %            |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |       |              |                |       | 0.142 %              |            |                |

#### 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)
- Determinand defined by classifier (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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

## Classification of sample: WS3-06/04/2021-0.20m

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

## Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>WS3-06/04/2021-0.20m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>27.8%</b>                | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

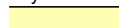
Moisture content: 27.8% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                              |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                         | EC Number | CAS Number |          |                   |              |                |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                             |           |            |          | 11.8 mg/kg        | 1.32         | 12.191 mg/kg   | 0.00122 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                             | 215-481-4 | 1327-53-3  |          |                   |              |                |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                                |           |            |          | <0.1 mg/kg        | 1.142        | <0.114 mg/kg   | <0.0000114 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                             | 215-146-2 | 1306-19-0  |          |                   |              |                |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                 |           |            |          | 53.3 mg/kg        | 1.462        | 60.955 mg/kg   | 0.0061 %             | ✓          |                |
|    |                                                                                                                                                          | 215-160-9 | 1308-38-9  |          |                   |              |                |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3 mg/kg        | 2.27         | <0.681 mg/kg   | <0.0000681 %         |            | <LOD           |
|    | 024-017-00-8                                                                                                                                             |           |            |          |                   |              |                |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                              |           |            |          | 16 mg/kg          | 1.126        | 14.096 mg/kg   | 0.00141 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                             | 215-270-7 | 1317-39-1  |          |                   |              |                |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                   |           |            | 1        | 39 mg/kg          | 1.56         | 47.6 mg/kg     | 0.00305 %            | ✓          |                |
|    | 082-004-00-2                                                                                                                                             | 231-846-0 | 7758-97-6  |          |                   |              |                |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                           |           |            |          | <0.1 mg/kg        | 1.353        | <0.135 mg/kg   | <0.0000135 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                             | 231-299-8 | 7487-94-7  |          |                   |              |                |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                               |           |            |          | 31.8 mg/kg        | 2.976        | 74.057 mg/kg   | 0.00741 %            | ✓          |                |
|    | 028-035-00-7                                                                                                                                             | 238-766-5 | 14721-18-7 |          |                   |              |                |                      |            |                |
| 9  | selenium { nickel selenate }                                                                                                                             |           |            |          | 1 mg/kg           | 2.554        | 1.998 mg/kg    | 0.0002 %             | ✓          |                |
|    | 028-031-00-5                                                                                                                                             | 239-125-2 | 15060-62-5 |          |                   |              |                |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                   |           |            |          | 77 mg/kg          | 2.774        | 167.143 mg/kg  | 0.0167 %             | ✓          |                |
|    | 024-007-00-3                                                                                                                                             | 236-878-9 | 13530-65-9 |          |                   |              |                |                      |            |                |
| 11 | 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  |          |                   |              |                |                      |            |                |
| 12 | benzene                                                                                                                                                  |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                             | 200-753-7 | 71-43-2    |          |                   |              |                |                      |            |                |
| 13 | toluene                                                                                                                                                  |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|    | 601-021-00-3                                                                                                                                             | 203-625-9 | 108-88-3   |          |                   |              |                |                      |            |                |
| 14 | ethylbenzene                                                                                                                                             |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 %         |            | <LOD           |
|    | 601-023-00-4                                                                                                                                             | 202-849-4 | 100-41-4   |          |                   |              |                |                      |            |                |

| #  | Determinand                                                   |                                                                  |                                                              | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | CLP index number                                              | EC Number                                                        | CAS Number                                                   |          |                   |       |              |                |       |                      |            |                |
| 15 | xylene<br>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] |          | <0.01             | mg/kg |              | <0.01          | mg/kg | <0.000001 %          |            | <LOD           |
| 16 | pH                                                            |                                                                  | PH                                                           |          | 7.11              | pH    |              | 7.11           | pH    | 7.11 pH              |            |                |
| 17 | naphthalene<br>601-052-00-2                                   | 202-049-5                                                        | 91-20-3                                                      |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 18 | acenaphthylene                                                | 205-917-1                                                        | 208-96-8                                                     |          | <0.03             | mg/kg |              | <0.03          | mg/kg | <0.000003 %          |            | <LOD           |
| 19 | acenaphthene                                                  | 201-469-6                                                        | 83-32-9                                                      |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
| 20 | fluorene                                                      | 201-695-5                                                        | 86-73-7                                                      |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 21 | phenanthrene                                                  | 201-581-5                                                        | 85-01-8                                                      |          | <0.03             | mg/kg |              | <0.03          | mg/kg | <0.000003 %          |            | <LOD           |
| 22 | anthracene                                                    | 204-371-1                                                        | 120-12-7                                                     |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 23 | fluoranthene                                                  | 205-912-4                                                        | 206-44-0                                                     |          | <0.03             | mg/kg |              | <0.03          | mg/kg | <0.000003 %          |            | <LOD           |
| 24 | pyrene                                                        | 204-927-3                                                        | 129-00-0                                                     |          | <0.03             | mg/kg |              | <0.03          | mg/kg | <0.000003 %          |            | <LOD           |
| 25 | benzo[a]anthracene<br>601-033-00-9                            | 200-280-6                                                        | 56-55-3                                                      |          | <0.06             | mg/kg |              | <0.06          | mg/kg | <0.000006 %          |            | <LOD           |
| 26 | chrysene<br>601-048-00-0                                      | 205-923-4                                                        | 218-01-9                                                     |          | <0.02             | mg/kg |              | <0.02          | mg/kg | <0.000002 %          |            | <LOD           |
| 27 | benzo[b]fluoranthene<br>601-034-00-4                          | 205-911-9                                                        | 205-99-2                                                     |          | <0.05             | mg/kg |              | <0.05          | mg/kg | <0.000005 %          |            | <LOD           |
| 28 | benzo[k]fluoranthene<br>601-036-00-5                          | 205-916-6                                                        | 207-08-9                                                     |          | <0.02             | mg/kg |              | <0.02          | mg/kg | <0.000002 %          |            | <LOD           |
| 29 | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3            | 200-028-5                                                        | 50-32-8                                                      |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 30 | indeno[123-cd]pyrene<br>205-893-2                             | 193-39-5                                                         |                                                              |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 31 | dibenz[a,h]anthracene<br>601-041-00-2                         | 200-181-8                                                        | 53-70-3                                                      |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 32 | benzo[ghi]perylene<br>205-883-8                               | 191-24-2                                                         |                                                              |          | <0.04             | mg/kg |              | <0.04          | mg/kg | <0.000004 %          |            | <LOD           |
| 33 | polychlorobiphenyls; PCB<br>602-039-00-4                      | 215-648-1                                                        | 1336-36-3                                                    |          | <0.035            | mg/kg |              | <0.035         | mg/kg | <0.0000035 %         |            | <LOD           |
| 34 | Total TPH<br>GTC05C40ALAR                                     |                                                                  |                                                              |          | <52               | mg/kg |              | <52            | mg/kg | <0.0052 %            |            | <LOD           |
| 35 | ethylene dinitrate; ethylene glycol dinitrate<br>603-032-00-9 | 211-063-0                                                        | 628-96-6                                                     |          | <                 |       |              | <              |       | <                    |            | ND             |
| 36 | N-methyl-N-2,4,6-tetranitroaniline; tetryl<br>612-017-00-6    | 207-531-9                                                        | 479-45-8                                                     |          | <                 |       |              | <              |       | <                    |            | ND             |
| 37 | glycerol trinitrate; nitroglycerine<br>603-034-00-X           | 200-240-8                                                        | 55-63-0                                                      |          | <                 |       |              | <              |       | <                    |            | ND             |
| 38 | 2,4,6-trinitrotoluene; TNT<br>609-008-00-4                    | 204-289-6                                                        | 118-96-7                                                     |          | <                 |       |              | <              |       | <                    |            | ND             |
| 39 | 2,6-dinitrotoluene<br>609-049-00-8                            | 210-106-0                                                        | 606-20-2                                                     |          | <                 |       |              | <              |       | <                    |            | ND             |
| 40 | 2,4-dinitrotoluene; [1] dinitrotoluene [2]<br>609-007-00-9    | 204-450-0 [1]<br>246-836-1 [2]                                   | 121-14-2 [1]<br>25321-14-6 [2]                               |          | <                 |       |              | <              |       | <                    |            | ND             |
| 41 | pentaerythritol tetranitrate; P.E.T.N.<br>603-035-00-5        | 201-084-3                                                        | 78-11-5                                                      |          | <                 |       |              | <              |       | <                    |            | ND             |
| 42 | 2,4,6-trinitrophenol; picric acid<br>609-009-00-X             | 201-865-9                                                        | 88-89-1                                                      |          | <                 |       |              | <              |       | <                    |            | ND             |

| #      | Determinand                                                                                |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|--------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                                                           | EC Number | CAS Number |          |                   |              |                |                      |            |                |
| 43     |  coronene |           |            |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
|        |                                                                                            | 205-881-7 | 191-07-1   |          |                   |              |                |                      |            |                |
| Total: |                                                                                            |           |            |          |                   |              |                | 0.0415 %             |            |                |

**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)                                                               |
|  | Determinand defined by classifier (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                                                                                                        |
| ND                                                                                | Not detected                                                                                                                    |
| CLP: Note 1                                                                       | Only the metal concentration has been used for classification                                                                   |

## Appendix A: Classifier defined and non CLP 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

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

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

### • **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

 **Total TPH** (CAS Number: GTC05C40ALAR)

Description/Comments:

Data source:

Data source date: 24 Feb 2021

Hazard Statements: None.

▣ **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP index number: 602-039-00-4

Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans; POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 1A H350

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

▣ **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases;

SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>

Data source date: 16 Jun 2014

Hazard Statements: STOT SE 2 H371

## 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)

### 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) Worst 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)

#### 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 chromate}

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

#### sulfur {sulphur dichloride}

Assumed worst case compound

### Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**

HazWasteOnline Classification Engine Version: 2021.117.4756.9097 (27 Apr 2021)

HazWasteOnline Database: 2021.117.4756.9097 (27 Apr 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## Waste Classification Report



MV7JC-DXNCV-73RZQ

### Job name

EMT-21-5291-Batch-2-File-2

### Description/Comments

### Project

TE1456

### Site

Net World Sports, Wrexham Industrial Estate

### Related Documents

| # | Name                            | Description                       |
|---|---------------------------------|-----------------------------------|
| 1 | EMT-21-5291-Batch-2-File-2.HWOL | .hwol file used to create the Job |

### Waste Stream Template

Example waste stream template for contaminated soils

### Classified by

Name:  
**Jessica Rogers**  
Date:  
**28 Apr 2021 11:45 GMT**  
Telephone:  
**01925 818388**

Company:  
**Tier Environmental**  
**Chadwick house**  
**Warrington Road,**

HazWasteOnline™ Training Record:

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

### Report

Created by: Jessica Rogers  
Created date: 28 Apr 2021 11:45 GMT

### Job summary

| # | Sample Name           | Depth [m] | Classification Result | Hazard properties | Page |
|---|-----------------------|-----------|-----------------------|-------------------|------|
| 1 | HDP1-10/04/2021-0.05m |           | Non Hazardous         |                   | 2    |
| 2 | HDP2-10/04/2021-0.10m |           | Non Hazardous         |                   | 4    |
| 3 | HDP4-10/04/2021-0.15m |           | Non Hazardous         |                   | 6    |
| 4 | HDP6-10/04/2021-0.60m |           | Non Hazardous         |                   | 8    |
| 5 | CP2-09/04/2021-1.40m  |           | Non Hazardous         |                   | 10   |
| 6 | CP3-10/04/2021-2.90m  |           | Non Hazardous         |                   | 12   |

### Appendices

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| Appendix B: Rationale for selection of metal species    | 15   |
| Appendix C: Version                                     | 16   |

## Classification of sample: HDP1-10/04/2021-0.05m

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

## Sample details

|                              |                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                 | LoW Code:                                                                                 |
| <b>HDP1-10/04/2021-0.05m</b> | Chapter:                                                                                  |
| Moisture content:            | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>42.4%</b>                 | Entry:                                                                                    |
| (dry weight correction)      | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

Moisture content: 42.4% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |       |              |                |       |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 11                | mg/kg | 1.32         | 10.199         | mg/kg | 0.00102 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |       |              |                |       |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | 0.2               | mg/kg | 1.142        | 0.16           | mg/kg | 0.000016 %           | ✓          |                |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |       |              |                |       |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 64.7              | mg/kg | 1.462        | 66.406         | mg/kg | 0.00664 %            | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |       |              |                |       |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3              | mg/kg | 2.27         | <0.681         | mg/kg | <0.0000681 %         |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |       |              |                |       |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 21                | mg/kg | 1.126        | 16.604         | mg/kg | 0.00166 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |       |              |                |       |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 65                | mg/kg | 1.56         | 71.199         | mg/kg | 0.00456 %            | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |       |              |                |       |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1              | mg/kg | 1.353        | <0.135         | mg/kg | <0.0000135 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |       |              |                |       |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 30.8              | mg/kg | 2.976        | 64.374         | mg/kg | 0.00644 %            | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |       |              |                |       |                      |            |                |
| 9  | 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 |          |                   |       |              |                |       |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 92                | mg/kg | 2.774        | 179.229        | mg/kg | 0.0179 %             | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |       |              |                |       |                      |            |                |
| 11 | 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  |          |                   |       |              |                |       |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |       |              |                |       |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |       |              |                |       |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |       |              |                |       |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. |             | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|-------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |             |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 % |                      |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 7.14 pH           |              | 7.14 pH        | 7.14 pH     |                      |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 % |                      |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 % |                      |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 % |                      |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 % |                      |            | <LOD           |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 % |                      |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 % |                      |            | <LOD           |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 % |                      |            | <LOD           |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 % |                      |            | <LOD           |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 % |                      |            | <LOD           |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 % |                      |            | <LOD           |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 % |                      |            | <LOD           |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 % |                      |            | <LOD           |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 % |                      |            | <LOD           |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 % |                      |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 % |                      |            | <LOD           |
| 33     | sulfur { sulphur dichloride }<br>016-013-00-X      | 234-129-0                                                        | 10545-99-0                                                   |          | 600 mg/kg         | 3.211        | 1353.085 mg/kg | 0.135 %     |                      | ✓          |                |
| 34     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %   |                      |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                |             | 0.179 %              |            |                |

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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Classification of sample: HDP2-10/04/2021-0.10m

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

## Sample details

|                              |                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                 | LoW Code:                                                                                 |
| <b>HDP2-10/04/2021-0.10m</b> | Chapter:                                                                                  |
| Moisture content:            | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>42%</b>                   | Entry:                                                                                    |
| (dry weight correction)      | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

Moisture content: 42% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |       |              |                |       |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 10.8              | mg/kg | 1.32         | 10.042         | mg/kg | 0.001 %              | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |       |              |                |       |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | 0.2               | mg/kg | 1.142        | 0.161          | mg/kg | 0.0000161 %          | ✓          |                |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |       |              |                |       |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 60                | mg/kg | 1.462        | 61.756         | mg/kg | 0.00618 %            | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |       |              |                |       |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3              | mg/kg | 2.27         | <0.681         | mg/kg | <0.0000681 %         |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |       |              |                |       |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 16                | mg/kg | 1.126        | 12.686         | mg/kg | 0.00127 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |       |              |                |       |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 71                | mg/kg | 1.56         | 77.991         | mg/kg | 0.005 %              | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |       |              |                |       |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1              | mg/kg | 1.353        | <0.135         | mg/kg | <0.0000135 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |       |              |                |       |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 29                | mg/kg | 2.976        | 60.783         | mg/kg | 0.00608 %            | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |       |              |                |       |                      |            |                |
| 9  | 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 |          |                   |       |              |                |       |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 86                | mg/kg | 2.774        | 168.012        | mg/kg | 0.0168 %             | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |       |              |                |       |                      |            |                |
| 11 | 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  |          |                   |       |              |                |       |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |       |              |                |       |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |       |              |                |       |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |       |              |                |       |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 6.49 pH           |              | 6.49 pH        | 6.49 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 %          |            | <LOD           |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 33     | polychlorobiphenyls; PCB<br>602-039-00-4           | 215-648-1                                                        | 1336-36-3                                                    |          | <0.035 mg/kg      |              | <0.035 mg/kg   | <0.0000035 %         |            | <LOD           |
| 34     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| 35     | coronene<br>205-881-7                              |                                                                  | 191-07-1                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.042 %              |            |                |

#### 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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Classification of sample: HDP4-10/04/2021-0.15m

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

## Sample details

|                              |                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                 | LoW Code:                                                                                 |
| <b>HDP4-10/04/2021-0.15m</b> | Chapter:                                                                                  |
| Moisture content:            | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>37.1%</b>                 | Entry:                                                                                    |
| (dry weight correction)      | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

Moisture content: 37.1% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |              |                |              |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 10.4 mg/kg        | 1.32         | 10.016 mg/kg   | 0.001 %      |                      | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |              |                |              |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | 0.2 mg/kg         | 1.142        | 0.167 mg/kg    | 0.0000167 %  |                      | ✓          |                |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |              |                |              |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 55.4 mg/kg        | 1.462        | 59.059 mg/kg   | 0.00591 %    |                      | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |              |                |              |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3 mg/kg        | 2.27         | <0.681 mg/kg   | <0.0000681 % |                      |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |              |                |              |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 17 mg/kg          | 1.126        | 13.961 mg/kg   | 0.0014 %     |                      | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |              |                |              |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 71 mg/kg          | 1.56         | 80.778 mg/kg   | 0.00518 %    |                      | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |              |                |              |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1 mg/kg        | 1.353        | <0.135 mg/kg   | <0.0000135 % |                      |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |              |                |              |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 29.6 mg/kg        | 2.976        | 64.258 mg/kg   | 0.00643 %    |                      | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |              |                |              |                      |            |                |
| 9  | selenium { nickel selenate }                                                                                                                            |           |            |          | 1 mg/kg           | 2.554        | 1.863 mg/kg    | 0.000186 %   |                      | ✓          |                |
|    | 028-031-00-5                                                                                                                                            | 239-125-2 | 15060-62-5 |          |                   |              |                |              |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 88 mg/kg          | 2.774        | 178.063 mg/kg  | 0.0178 %     |                      | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |              |                |              |                      |            |                |
| 11 | 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  |          |                   |              |                |              |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |              |                |              |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |              |                |              |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |              |                |              |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 5.97 pH           |              | 5.97 pH        | 5.97 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 %          |            | <LOD           |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 33     | sulfur { sulphur dichloride }<br>016-013-00-X      | 234-129-0                                                        | 10545-99-0                                                   |          | 600 mg/kg         | 3.211        | 1405.392 mg/kg | 0.141 %              | ✓          |                |
| 34     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.184 %              |            |                |

**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)
- Determinand defined by classifier (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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

## Classification of sample: HDP6-10/04/2021-0.60m

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

## Sample details

|                              |                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                 | LoW Code:                                                                                 |
| <b>HDP6-10/04/2021-0.60m</b> | Chapter:                                                                                  |
| Moisture content:            | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>18.1%</b>                 | Entry:                                                                                    |
| (dry weight correction)      | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

Moisture content: 18.1% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |              |                |              |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 8.6 mg/kg         | 1.32         | 9.615 mg/kg    | 0.000961 %   |                      | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |              |                |              |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | <0.1 mg/kg        | 1.142        | <0.114 mg/kg   | <0.0000114 % |                      |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |              |                |              |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 45 mg/kg          | 1.462        | 55.69 mg/kg    | 0.00557 %    |                      | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |              |                |              |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3 mg/kg        | 2.27         | <0.681 mg/kg   | <0.0000681 % |                      |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |              |                |              |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 25 mg/kg          | 1.126        | 23.833 mg/kg   | 0.00238 %    |                      | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |              |                |              |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 31 mg/kg          | 1.56         | 40.943 mg/kg   | 0.00262 %    |                      | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |              |                |              |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1 mg/kg        | 1.353        | <0.135 mg/kg   | <0.0000135 % |                      |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |              |                |              |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 43.6 mg/kg        | 2.976        | 109.877 mg/kg  | 0.011 %      |                      | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |              |                |              |                      |            |                |
| 9  | 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 |          |                   |              |                |              |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 78 mg/kg          | 2.774        | 183.221 mg/kg  | 0.0183 %     |                      | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |              |                |              |                      |            |                |
| 11 | pH                                                                                                                                                      |           |            |          | 8.36 pH           |              | 8.36 pH        | 8.36 pH      |                      |            |                |
|    |                                                                                                                                                         |           | PH         |          |                   |              |                |              |                      |            |                |
| 12 | naphthalene                                                                                                                                             |           |            |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %  |                      |            | <LOD           |
|    | 601-052-00-2                                                                                                                                            | 202-049-5 | 91-20-3    |          |                   |              |                |              |                      |            |                |
| 13 | acenaphthylene                                                                                                                                          |           |            |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %  |                      |            | <LOD           |
|    |                                                                                                                                                         | 205-917-1 | 208-96-8   |          |                   |              |                |              |                      |            |                |
| 14 | acenaphthene                                                                                                                                            |           |            |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %  |                      |            | <LOD           |
|    |                                                                                                                                                         | 201-469-6 | 83-32-9    |          |                   |              |                |              |                      |            |                |
| 15 | fluorene                                                                                                                                                |           |            |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %  |                      |            | <LOD           |
|    |                                                                                                                                                         | 201-695-5 | 86-73-7    |          |                   |              |                |              |                      |            |                |

| #      | Determinand                        |              |            | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|------------------------------------|--------------|------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                   | EC Number    | CAS Number |          |                   |              |                |                      |            |                |
| 16     | phenanthrene                       | 201-581-5    | 85-01-8    |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 17     | anthracene                         | 204-371-1    | 120-12-7   |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | fluoranthene                       | 205-912-4    | 206-44-0   |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | pyrene                             | 204-927-3    | 129-00-0   |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 20     | benzo[a]anthracene                 | 601-033-00-9 | 200-280-6  |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 %          |            | <LOD           |
| 21     | chrysene                           | 601-048-00-0 | 205-923-4  |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 22     | benzo[b]fluoranthene               | 601-034-00-4 | 205-911-9  |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 23     | benzo[k]fluoranthene               | 601-036-00-5 | 205-916-6  |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 24     | benzo[a]pyrene; benzo[def]chrysene | 601-032-00-3 | 200-028-5  |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 25     | indeno[123-cd]pyrene               | 205-893-2    | 193-39-5   |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 26     | dibenz[a,h]anthracene              | 601-041-00-2 | 200-181-8  |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 27     | benzo[ghi]perylene                 | 205-883-8    | 191-24-2   |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| Total: |                                    |              |            |          |                   |              |                | 0.0413 %             |            |                |

**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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Classification of sample: CP2-09/04/2021-1.40m

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

## Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>CP2-09/04/2021-1.40m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>29%</b>                  | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

Moisture content: 29% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data |       | Conv. Factor | Compound conc. |       | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|-------|--------------|----------------|-------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |       |              |                |       |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 10.4              | mg/kg | 1.32         | 10.644         | mg/kg | 0.00106 %            | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |       |              |                |       |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | <0.1              | mg/kg | 1.142        | <0.114         | mg/kg | <0.0000114 %         |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |       |              |                |       |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 48.2              | mg/kg | 1.462        | 54.61          | mg/kg | 0.00546 %            | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |       |              |                |       |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3              | mg/kg | 2.27         | <0.681         | mg/kg | <0.0000681 %         |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |       |              |                |       |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 26                | mg/kg | 1.126        | 22.692         | mg/kg | 0.00227 %            | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |       |              |                |       |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 27                | mg/kg | 1.56         | 32.647         | mg/kg | 0.00209 %            | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |       |              |                |       |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1              | mg/kg | 1.353        | <0.135         | mg/kg | <0.0000135 %         |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |       |              |                |       |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 42.8              | mg/kg | 2.976        | 98.747         | mg/kg | 0.00987 %            | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |       |              |                |       |                      |            |                |
| 9  | 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 |          |                   |       |              |                |       |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 76                | mg/kg | 2.774        | 163.438        | mg/kg | 0.0163 %             | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |       |              |                |       |                      |            |                |
| 11 | 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  |          |                   |       |              |                |       |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |       |              |                |       |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |       |              |                |       |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005            | mg/kg |              | <0.005         | mg/kg | <0.0000005 %         |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |       |              |                |       |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 8.76 pH           |              | 8.76 pH        | 8.76 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 %          |            | <LOD           |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 33     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.0427 %             |            |                |

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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Classification of sample: CP3-10/04/2021-2.90m

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

## Sample details

|                             |                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------|
| Sample Name:                | LoW Code:                                                                                 |
| <b>CP3-10/04/2021-2.90m</b> | Chapter:                                                                                  |
| Moisture content:           | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>23.4%</b>                | Entry:                                                                                    |
| (dry weight correction)     | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |

## Hazard properties

None identified

## Determinands

Moisture content: 23.4% Dry Weight Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                             |           |            | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|    | CLP index number                                                                                                                                        | EC Number | CAS Number |          |                   |              |                |              |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                            |           |            |          | 8.5 mg/kg         | 1.32         | 9.095 mg/kg    | 0.000909 %   |                      | ✓          |                |
|    | 033-003-00-0                                                                                                                                            | 215-481-4 | 1327-53-3  |          |                   |              |                |              |                      |            |                |
| 2  | cadmium { cadmium oxide }                                                                                                                               |           |            |          | <0.1 mg/kg        | 1.142        | <0.114 mg/kg   | <0.0000114 % |                      |            | <LOD           |
|    | 048-002-00-0                                                                                                                                            | 215-146-2 | 1306-19-0  |          |                   |              |                |              |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                |           |            |          | 44.6 mg/kg        | 1.462        | 52.824 mg/kg   | 0.00528 %    |                      | ✓          |                |
|    |                                                                                                                                                         | 215-160-9 | 1308-38-9  |          |                   |              |                |              |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } |           |            |          | <0.3 mg/kg        | 2.27         | <0.681 mg/kg   | <0.0000681 % |                      |            | <LOD           |
|    | 024-017-00-8                                                                                                                                            |           |            |          |                   |              |                |              |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                             |           |            |          | 22 mg/kg          | 1.126        | 20.073 mg/kg   | 0.00201 %    |                      | ✓          |                |
|    | 029-002-00-X                                                                                                                                            | 215-270-7 | 1317-39-1  |          |                   |              |                |              |                      |            |                |
| 6  | lead { lead chromate }                                                                                                                                  |           |            | 1        | 33 mg/kg          | 1.56         | 41.713 mg/kg   | 0.00267 %    |                      | ✓          |                |
|    | 082-004-00-2                                                                                                                                            | 231-846-0 | 7758-97-6  |          |                   |              |                |              |                      |            |                |
| 7  | mercury { mercury dichloride }                                                                                                                          |           |            |          | <0.1 mg/kg        | 1.353        | <0.135 mg/kg   | <0.0000135 % |                      |            | <LOD           |
|    | 080-010-00-X                                                                                                                                            | 231-299-8 | 7487-94-7  |          |                   |              |                |              |                      |            |                |
| 8  | nickel { nickel chromate }                                                                                                                              |           |            |          | 39.1 mg/kg        | 2.976        | 94.305 mg/kg   | 0.00943 %    |                      | ✓          |                |
|    | 028-035-00-7                                                                                                                                            | 238-766-5 | 14721-18-7 |          |                   |              |                |              |                      |            |                |
| 9  | 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 |          |                   |              |                |              |                      |            |                |
| 10 | zinc { zinc chromate }                                                                                                                                  |           |            |          | 76 mg/kg          | 2.774        | 170.855 mg/kg  | 0.0171 %     |                      | ✓          |                |
|    | 024-007-00-3                                                                                                                                            | 236-878-9 | 13530-65-9 |          |                   |              |                |              |                      |            |                |
| 11 | 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  |          |                   |              |                |              |                      |            |                |
| 12 | benzene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-020-00-8                                                                                                                                            | 200-753-7 | 71-43-2    |          |                   |              |                |              |                      |            |                |
| 13 | toluene                                                                                                                                                 |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-021-00-3                                                                                                                                            | 203-625-9 | 108-88-3   |          |                   |              |                |              |                      |            |                |
| 14 | ethylbenzene                                                                                                                                            |           |            |          | <0.005 mg/kg      |              | <0.005 mg/kg   | <0.0000005 % |                      |            | <LOD           |
|    | 601-023-00-4                                                                                                                                            | 202-849-4 | 100-41-4   |          |                   |              |                |              |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                              | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | CLP index number                                   | EC Number                                                        | CAS Number                                                   |          |                   |              |                |                      |            |                |
| 15     | xylene<br>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] |          | <0.01 mg/kg       |              | <0.01 mg/kg    | <0.000001 %          |            | <LOD           |
| 16     | pH                                                 |                                                                  | PH                                                           |          | 8.13 pH           |              | 8.13 pH        | 8.13 pH              |            |                |
| 17     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 18     | acenaphthylene                                     | 205-917-1                                                        | 208-96-8                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 19     | acenaphthene                                       | 201-469-6                                                        | 83-32-9                                                      |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 20     | fluorene                                           | 201-695-5                                                        | 86-73-7                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 21     | phenanthrene                                       | 201-581-5                                                        | 85-01-8                                                      |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 22     | anthracene                                         | 204-371-1                                                        | 120-12-7                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 23     | fluoranthene                                       | 205-912-4                                                        | 206-44-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 24     | pyrene                                             | 204-927-3                                                        | 129-00-0                                                     |          | <0.03 mg/kg       |              | <0.03 mg/kg    | <0.000003 %          |            | <LOD           |
| 25     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                      |          | <0.06 mg/kg       |              | <0.06 mg/kg    | <0.000006 %          |            | <LOD           |
| 26     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 27     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                     |          | <0.05 mg/kg       |              | <0.05 mg/kg    | <0.000005 %          |            | <LOD           |
| 28     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                     |          | <0.02 mg/kg       |              | <0.02 mg/kg    | <0.000002 %          |            | <LOD           |
| 29     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 30     | indeno[123-cd]pyrene<br>205-893-2                  |                                                                  | 193-39-5                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 31     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                      |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 32     | benzo[ghi]perylene<br>205-883-8                    |                                                                  | 191-24-2                                                     |          | <0.04 mg/kg       |              | <0.04 mg/kg    | <0.000004 %          |            | <LOD           |
| 33     | Total TPH                                          |                                                                  | GTC05C40ALAR                                                 |          | <52 mg/kg         |              | <52 mg/kg      | <0.0052 %            |            | <LOD           |
| Total: |                                                    |                                                                  |                                                              |          |                   |              |                | 0.043 %              |            |                |

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)                                                               |
|             | Determinand defined by classifier (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                                                                                                        |
| ND          | Not detected                                                                                                                    |
| CLP: Note 1 | Only the metal concentration has been used for classification                                                                   |

## Appendix A: Classifier defined and non CLP 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

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

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

### • **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

 **Total TPH** (CAS Number: GTC05C40ALAR)

Description/Comments:

Data source: 

Data source date: 24 Feb 2021

Hazard Statements: None.

▣ **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP index number: 602-039-00-4

Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans; POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 1A H350

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

▣ **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases;

SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>

Data source date: 16 Jun 2014

Hazard Statements: STOT SE 2 H371

## 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)

### 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) Worst 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)

**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 chromate}**

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

**sulfur {sulphur dichloride}**

Assumed worst case compound

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**Appendix C: Version**

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**

HazWasteOnline Classification Engine Version: 2021.117.4756.9097 (27 Apr 2021)

HazWasteOnline Database: 2021.117.4756.9097 (27 Apr 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019