ACS Testing Ltd Unit 14 Blackhill Road West Holton Heath Trading Park Poole Dorset BH16 6LE



Certificate of Analysis Landfill Waste Acceptance Criteria (WAC) (10:1)

Certificate Number : 18-09563-Issue 1-Page: 1

| Report Fao: | GEO RESULTS |
|--------------------|-----------------------------|
| Site Address: | Poole Park Minature Railway |
| Customer Order No: | 18-97284 |
| Date of Sampling: | 01/10/2018 |
| Date Received: | 15/10/2018 |
| Report Date: | 26/10/2018 |

Please find your certificates of test attached for your samples received in the laboratory on 15/10/2018 under our laboratory reference 18-09563.

Remarks:

None

Results reviewed by:

Eoin Byrne Technical Superv

Results approved by:

David Redfern Technical Supervisor

Any opinions or interpretations indicated are outside the scope of our UKAS accreditation. This certificate should not be reproduced, except in full, without the express permission of the laboratory. The results included within the report are representative of the samples submitted for analysis. Excel copies of reports are valid only when accompanied by this PDF certificate. Client's Sample Description / ACS Material Description are noted for reference only.

Head Office

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Blackhill Road West Holton Heath Trading Park Poole Dorset BH16 6LE ACS Environmental Testing Limited Registered in England and Wales No. 6000065

Quality Testing & Materials Consultancy to the Construction Industry



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Site Address

TEGT VALUES

Poole Park Minature Railway

| ACSE Sample Number | 38167 |
|----------------------------------|----------|
| Sample ID | 426801 |
| Clients Sample Ref. | TP01 |
| Material Source | In Situ |
| Location / Sample Depth (m) | 0.23-0.4 |
| Time Sampled | |
| Date Sampled | 01/10/2 |
| Sample Deviating Codes | ef |
| Client's Sample Description | |
| ACS Testing Material Description | Brown |
| Principal Matrix (as received) | GRAVE |

38167 426801 - 18-97284 TP01 In Situ 0.23-0.42m 01/10/2018

Brown sandy GRAVEL GRAVEL



LANDFILL WASTE ACCEPTANCE CRITERIA (WAC)

| TEST VALUES | | | | | |
|-----------------------------------|------|---|-------------------------------|-------|--------|
| Mass of Undried Test Portion (Mw) | 93.3 | g | Volume of Leachant Used (L10) | 0.897 | litres |
| Mass of Dried Test Portion (Mp) | 90.0 | g | | | |
| Moisture Content Ratio (MC) | 3.6 | % | Volume of Eluate (VE10) | 0.853 | litres |
| Dry Matter Content (DR) | 96.5 | % | | | |

| SOLIDS ANALYSIS | | | | | LANDFILL WASTE | ACCEPTANCE CRITE | RIA SPECIFICATION | |
|---------------------------------|--------------|-----|----------------------------------|----------|----------------|---|-------------------------------------|--|
| Analyte | Method | AS | Sample Condition for Analysis | Results | Inert Waste | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste | |
| Total Organic Carbon (%) | MT/ACSE/102 | * | As received | 1.55 | 3 % | 5 % | 6 % | |
| Loss on ignition (%) | MT/ACSE/302 | *f | Air dried at 30℃ | 2.1 | | | 10 % | |
| BTEX (mg/kg) | MT/ACSE/101 | *ef | As received | < 0.60 | 6 | | | |
| PCBs (7 congeners) (mg/kg) | MT/ACSE/104 | * | Air dried at 30℃ | < 1.00 | 1 | | | |
| Mineral oil (C10 - C40) (mg/kg) | MT/ACSE/105 | * | As received | 363 | 500 | | | |
| PAHs (mg/kg) | MT/ACSE/106 | *f | Air dried at 30℃ | 33.3 | 100 | | | |
| pH (units) | MT/ACSE/301 | *ef | Air dried at 30℃ | 10.6 | | >6 | | |
| ELUATE ANALYSIS | | | | | | | | |
| Analyte | Method | AS | Concentration in | Amount | LANDFILL WASTE | ACCEPTANCE CRITE | RIA SPECIFICATION | |
| Eluate Prenaration | I P/ACSE/104 | | (mg/l) | (mg/kg) | BS EN 12457-2 | 2-2002 LIMIT VALUES | 2002 LIMIT VALUES (mg/kg) at L/S 10 | |
| Liquid : Solid Batio (L/S) | LP/ACSE/101 | * | L/S 10 | L/S 10 | Inert Waste | Stable | Hazardous | |
| pH (units) | MT/ACSE/301 | * | 11.0 | | | non-reactive | waste | |
| Temperature (°C) | MT/ACSE/301 | | 20 | | | in non-hazardous | | |
| Conductivity (mS/m) | MT/ACSE/303 | * | 52.20 | | | landfill | | |
| Arsenic | MT/ACSE/205 | * | < 0.003 | < 0.0300 | 0.5 | 2 | 25 | |
| Barium | MT/ACSE/205 | * | 0.0909 | 0.909 | 20 | 100 | 300 | |
| Cadmium | MT/ACSE/205 | * | < 0.0008 | < 0.008 | 0.04 | 1 | 5 | |
| Chromium (total) | MT/ACSE/205 | * | 0.021 | 0.207 | 0.5 | 10 | 70 | |
| Copper | MT/ACSE/205 | * | 0.050 | 0.499 | 2 | 50 | 100 | |
| Mercury | MT/ACSE/202 | * | < 0.0001 | < 0.0010 | 0.01 | 0.2 | 2 | |
| Molybdenum | MT/ACSE/205 | * | 0.0017 | 0.017 | 0.5 | 10 | 30 | |
| Nickel | MT/ACSE/205 | * | 0.0030 | 0.030 | 0.4 | 10 | 40 | |
| Lead | MT/ACSE/205 | * | < 0.004 | < 0.040 | 0.5 | 10 | 50 | |
| Antimony | MT/ACSE/205 | * | < 0.003 | < 0.030 | 0.06 | 0.7 | 5 | |
| Selenium | MT/ACSE/205 | * | < 0.006 | < 0.060 | 0.1 | 0.5 | 7 | |
| Zinc | MT/ACSE/205 | * | < 0.002 | < 0.020 | 4 | 50 | 200 | |
| Chloride | MT/ACSE/204 | * | 8.59 | 85.92 | 800 | 15000 | 25000 | |
| Fluoride | MT/ACSE/204 | * | < 0.01 | < 0.050 | 10 | 150 | 500 | |
| Sulphate | MT/ACSE/204 | * | 8.03 | 80.26 | 1000 | 20000 | 50000 | |
| Total dissolved solids | MT/ACSE/304 | * | 170 | 1700 | 4000 | 60000 | 100000 | |

Comments: (comments are beyond the scope of UKAS accreditation)

MT/ACSE/107

MT/ACSE/103

Key (at clients request):

Dissolved organic carbon

Phenol index

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

The landfill waste acceptance criteria limits are provided for guidance only. Eluates prepared in accordance with BS EN 12457-3:2002*

< 0.05

7.81

< 0.50

78.10

500

800

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Site Address

| ACSE Sample Number | 38169 |
|----------------------------------|--------------------|
| Sample ID | 426803 - 18-97284 |
| Clients Sample Ref. | TP02 |
| Material Source | In Situ |
| Location / Sample Depth (m) | 0.21-0.63m |
| Time Sampled | |
| Date Sampled | 01/10/2018 |
| Sample Deviating Codes | ef |
| Client's Sample Description | |
| ACS Testing Material Description | Brown sandy GRAVEL |
| Principal Matrix (as received) | GRAVEL |
| | |

Poole Park Minature Railway

| 38169 |
|-------------------|
| 426803 - 18-97284 |
| TP02 |
| In Situ |
| 0.21-0.63m |
| |
| 01/10/2018 |
| ef |



LANDFILL WASTE ACCEPTANCE CRITERIA (WAC)

| TEST VALUES | | | | | |
|-----------------------------------|------|---|-------------------------------|-------|--------|
| Mass of Undried Test Portion (Mw) | 93.8 | g | Volume of Leachant Used (L10) | 0.896 | litres |
| Mass of Dried Test Portion (Mp) | 90.0 | g | | | |
| Moisture Content Ratio (MC) | 4.2 | % | Volume of Eluate (VE10) | 0.847 | litres |
| Dry Matter Content (DR) | 96.0 | % | | | |

| SOLIDS ANALYSIS | | | | | LANDFILL WASTE | ACCEPTANCE CRITE | RIA SPECIFICATION | |
|---------------------------------|-------------|-----|----------------------------------|-------------------|----------------|---|--------------------|--|
| Analyte | Method | AS | Sample Condition for Analysis | Results | Inert Waste | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste | |
| Total Organic Carbon (%) | MT/ACSE/102 | * | As received | 1.82 | 3 % | 5 % | 6 % | |
| Loss on ignition (%) | MT/ACSE/302 | *f | Air dried at 30℃ | 2.7 | | | 10 % | |
| BTEX (mg/kg) | MT/ACSE/101 | *ef | As received | < 0.60 | 6 | | | |
| PCBs (7 congeners) (mg/kg) | MT/ACSE/104 | * | Air dried at 30℃ | < 1.00 | 1 | | | |
| Mineral oil (C10 - C40) (mg/kg) | MT/ACSE/105 | * | As received | 1000 | 500 | | | |
| PAHs (mg/kg) | MT/ACSE/106 | *f | Air dried at 30 °C | 59.0 | 100 | | | |
| pH (units) | MT/ACSE/301 | *ef | Air dried at 30℃ | 10.6 | | >6 | | |
| ELUATE ANALYSIS | | | | | | | | |
| Analyte | Method | AS | Concentration in Eluate | Amount Leached | LANDFILL WASTE | ACCEPTANCE CRITE | RIA SPECIFICATION | |
| Elucto Droporation | | | (mg/l) | (mg/l) (mg/kg) | | BS EN 12457-2-2002 LIMIT VALUES (mg/kg) at | | |
| Liquid - Solid Datio (L/S) | | * | L/C 10 | L/C 10 | Iport Wooto | Stabla | Hazardaya | |
| Liquid : Solid Ratio (L/S) | | * | L/S 10 | L/5 10 | inert waste | non-reactive | waste | |
| Tomporaturo (%) | MT/ACSE/301 | | 20 | | | hazardous waste | | |
| Conductivity (mS/m) | MT/ACSE/303 | * | 20 | | | landfill | | |
| Arsenic | MT/ACSE/205 | * | 0.006 | 0.0590 | 0.5 | 2 | 25 | |
| Barium | MT/ACSE/205 | * | 0.000 | 1 083 | 20 | 100 | 300 | |
| Cadmium | MT/ACSE/205 | * | < 0.0008 | < 0.008 | 0.04 | 1 | 5 | |
| Chromium (total) | MT/ACSE/205 | * | 0.007 | 0.068 | 0.5 | 10 | 70 | |
| Copper | MT/ACSE/205 | * | 0.035 | 0.351 | 2 | 50 | 100 | |
| Mercury | MT/ACSE/202 | * | < 0.0001 | < 0.0010 | 0.01 | 0.2 | 2 | |
| Molybdenum | MT/ACSE/205 | * | 0.0037 | 0.037 | 0.5 | 10 | 30 | |
| Nickel | MT/ACSE/205 | * | 0.0053 | 0.053 | 0.4 | 10 | 40 | |
| Lead | MT/ACSE/205 | * | < 0.004 | < 0.040 | 0.5 | 10 | 50 | |
| Antimony | MT/ACSE/205 | * | < 0.003 | < 0.030 | 0.06 | 0.7 | 5 | |
| Selenium | MT/ACSE/205 | * | < 0.006 | < 0.060 | 0.1 | 0.5 | 7 | |
| Zinc | MT/ACSE/205 | * | < 0.002 | < 0.020 | 4 | 50 | 200 | |
| Chloride | MT/ACSE/204 | * | 7.78 | 77.80 | 800 | 15000 | 25000 | |
| Fluoride | MT/ACSE/204 | * | < 0.01 | < 0.050 | 10 | 150 | 500 | |
| Sulphate | MT/ACSE/204 | * | 15.69 | 156.9 | 1000 | 20000 | 50000 | |
| Total dissolved solids | MT/ACSE/304 | * | 165 | 1650 | 4000 | 60000 | 100000 | |

Comments: (comments are beyond the scope of UKAS accreditation)

MT/ACSE/107

MT/ACSE/103

Key (at clients request):

Dissolved organic carbon

Phenol index

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

The landfill waste acceptance criteria limits are provided for guidance only. Eluates prepared in accordance with BS EN 12457-3:2002*

< 0.05

19.8

< 0.50

197.9

500

800

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Site Address

TEGT VALUES

| Poole | Park | Minature | Railway |
|-------|------|----------|---------|
| 201 | 71 | | |

| ACSE Sample Number | 38171 |
|----------------------------------|---------------------------|
| Sample ID | 426805 - 18-97284 |
| Clients Sample Ref. | WS05 |
| Material Source | In Situ |
| Location / Sample Depth (m) | 0.00-0.66m |
| Time Sampled | |
| Date Sampled | 01/10/2018 |
| Sample Deviating Codes | ef |
| Client's Sample Description | |
| ACS Testing Material Description | Brown gravelly silty SAND |
| Principal Matrix (as received) | SILT |
| | |



150

20000

60000

800

10

1000

4000

1

500

500

50000

100000

1000

| WASTE ACCEF | PTANCE (| (WAC) | |
|-------------|----------|-------|--|
| | | | |

| ILSI VALULS | | | | | |
|-----------------------------------|------|---|-------------------------------|-------|--------|
| Mass of Undried Test Portion (Mw) | 96.5 | g | Volume of Leachant Used (L10) | 0.894 | litres |
| Mass of Dried Test Portion (Mp) | 90.0 | g | | | |
| Moisture Content Ratio (MC) | 7.2 | % | Volume of Eluate (VE10) | 0.861 | litres |
| Dry Matter Content (DR) | 93.3 | % | | | |

| SOLIDS ANALYSIS | | | | | | ACCEPTANCE CRITE | RIA SPECIFICATION |
|---------------------------------|-------------|-----|----------------------------------|-------------------|---|---|--------------------|
| Analyte | Method | AS | Sample Condition for Analysis | Results | Inert Waste | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste |
| Total Organic Carbon (%) | MT/ACSE/102 | * | As received | 1.49 | 3 % | 5 % | 6 % |
| Loss on ignition (%) | MT/ACSE/302 | *f | Air dried at 30℃ | 3.2 | | | 10 % |
| BTEX (mg/kg) | MT/ACSE/101 | *ef | As received | < 0.60 | 6 | | |
| PCBs (7 congeners) (mg/kg) | MT/ACSE/104 | * | Air dried at 30 °C | < 1.00 | 1 | | |
| Mineral oil (C10 - C40) (mg/kg) | MT/ACSE/105 | *# | As received | 256 | 500 | | |
| PAHs (mg/kg) | MT/ACSE/106 | *#f | Air dried at 30 °C | 134 | 100 | | |
| pH (units) | MT/ACSE/301 | *ef | Air dried at 30 °C | 7.3 | | >6 | |
| ELUATE ANALYSIS | | | | | | | |
| Analyte | Method | AS | Concentration in Eluate | Amount Leached | LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICAT | | |
| Eluate Preparation | LP/ACSE/104 | | (mg/l) | (mg/kg) | BS EN 12457-2-2002 LIMIT VALUES (mg/kg) | | (mg/kg) at L/S 10 |
| Liquid : Solid Ratio (L/S) | LP/ACSE/101 | * | L/S 10 | L/S 10 | Inert Waste | Stable | Hazardous |
| pH (units) | MT/ACSE/301 | * | 9.2 | | | non-reactive | waste |
| Temperature (℃) | MT/ACSE/301 | | 20 | | | in non-hazardous | |
| Conductivity (mS/m) | MT/ACSE/303 | * | 6.59 | | | landfill | |
| Arsenic | MT/ACSE/205 | * | < 0.003 | < 0.0300 | 0.5 | 2 | 25 |
| Barium | MT/ACSE/205 | * | 0.0800 | 0.800 | 20 | 100 | 300 |
| Cadmium | MT/ACSE/205 | * | < 0.0008 | < 0.008 | 0.04 | 1 | 5 |
| Chromium (total) | MT/ACSE/205 | * | 0.002 | 0.024 | 0.5 | 10 | 70 |
| Copper | MT/ACSE/205 | * | 0.022 | 0.219 | 2 | 50 | 100 |
| Mercury | MT/ACSE/202 | * | < 0.0001 | < 0.0010 | 0.01 | 0.2 | 2 |
| Molybdenum | MT/ACSE/205 | * | < 0.0010 | < 0.010 | 0.5 | 10 | 30 |
| Nickel | MT/ACSE/205 | * | < 0.0008 | < 0.008 | 0.4 | 10 | 40 |
| Lead | MT/ACSE/205 | * | < 0.004 | < 0.040 | 0.5 | 10 | 50 |
| Antimony | MT/ACSE/205 | * | < 0.003 | < 0.030 | 0.06 | 0.7 | 5 |
| Selenium | MT/ACSE/205 | * | 0.007 | 0.071 | 0.1 | 0.5 | 7 |
| Zinc | MT/ACSE/205 | * | 0.020 | 0.200 | 4 | 50 | 200 |
| Chloride | MT/ACSE/204 | * | < 3.00 | < 30.00 | 800 | 15000 | 25000 |

Comments: (comments are beyond the scope of UKAS accreditation)

MT/ACSE/204

MT/ACSE/204

MT/ACSE/304

MT/ACSE/107

MT/ACSE/103

Key (at clients request):

Dissolved organic carbon

Total dissolved solids

Fluoride

Sulphate

Phenol index

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

*

*

*

*

*

The landfill waste acceptance criteria limits are provided for guidance only. Eluates prepared in accordance with BS EN 12457-3:2002*

0.22

4.66

70

< 0.05

13.9

2.172

46.62

700.0

< 0.50

139.2

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Site Address

TEGT VALUES

| ACSE Sample Number | 38173 |
|----------------------------------|---------------------|
| Sample ID | 426807 - 18-97284 |
| Clients Sample Ref. | WS07 |
| Material Source | In Situ |
| Location / Sample Depth (m) | 0.08-0.32m |
| Time Sampled | |
| Date Sampled | 01/10/2018 |
| Sample Deviating Codes | ef |
| Client's Sample Description | |
| ACS Testing Material Description | Brown gravelly SAND |
| Principal Matrix (as received) | SAND |

Poole Park Minature Railway

| 38173 |
|-------------------|
| 426807 - 18-97284 |
| WS07 |
| In Situ |
| 0.08-0.32m |
| 01/10/2018 ef |



LANDFILL WASTE ACCEPTANCE CRITERIA (WAC)

| ILSI VALULS | | | | | |
|-----------------------------------|------|---|-------------------------------|-------|--------|
| Mass of Undried Test Portion (Mw) | 93.4 | g | Volume of Leachant Used (L10) | 0.897 | litres |
| Mass of Dried Test Portion (Mp) | 90.0 | g | | | |
| Moisture Content Ratio (MC) | 3.7 | % | Volume of Eluate (VE10) | 0.851 | litres |
| Dry Matter Content (DR) | 96.4 | % | | | |

| SOLIDS ANALYSIS | | | | | LANDFILL WAST | E ACCEPTANCE CRITE | RIA SPECIFICATION |
|---------------------------------|-------------|------------------|----------------------------------|----------|--|---|--------------------|
| Analyte | Method | AS | Sample Condition for Analysis | Results | Inert Waste | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste |
| Total Organic Carbon (%) | MT/ACSE/102 | * | As received | 0.95 | 3 % | 5 % | 6 % |
| Loss on ignition (%) | MT/ACSE/302 | *f | Air dried at 30 °C | 2.2 | | | 10 % |
| BTEX (mg/kg) | MT/ACSE/101 | *ef | As received | < 0.60 | 6 | | |
| PCBs (7 congeners) (mg/kg) | IHP-GCMS | | Air dried at 30 °C | < 1.00 | 1 | | |
| Mineral oil (C10 - C40) (mg/kg) | MT/ACSE/105 | *# | As received | 384 | 500 | | |
| PAHs (mg/kg) | MT/ACSE/106 | *#f | Air dried at 30 °C | 19.6 | 100 | | |
| pH (units) | MT/ACSE/301 | *ef | Air dried at 30℃ | 6.7 | | >6 | |
| ELUATE ANALYSIS | | | | | | | |
| Analyte | Method | AS Concentration | | Amount | LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATION | | |
| | | | (mg/l) | (mg/kg) | BS EN 12457-2-2002 LIMIT VALUES (mg/kg) at | | (mg/kg) at L/S 10 |
| Eluate Preparation | LP/ACSE/104 | | | | | | |
| Liquid : Solid Ratio (L/S) | LP/ACSE/101 | * | L/S 10 | L/S 10 | Inert Waste | Stable non-reactive | Hazardous waste |
| pH (units) | MT/ACSE/301 | * | 8.7 | | | hazardous waste | |
| Temperature (℃) | MT/ACSE/301 | | 20 | | | in non-hazardous | |
| Conductivity (mS/m) | MT/ACSE/303 | * | 14.54 | | | landini | |
| Arsenic | MT/ACSE/205 | * | < 0.003 | < 0.0300 | 0.5 | 2 | 25 |
| Barium | MT/ACSE/205 | * | 0.102 | 1.021 | 20 | 100 | 300 |
| Cadmium | MT/ACSE/205 | * | < 0.0008 | < 0.008 | 0.04 | 1 | 5 |
| Chromium (total) | MT/ACSE/205 | * | 0.003 | 0.035 | 0.5 | 10 | 70 |
| Copper | MT/ACSE/205 | * | < 0.008 | < 0.080 | 2 | 50 | 100 |
| Mercury | MT/ACSE/202 | * | < 0.0001 | < 0.0010 | 0.01 | 0.2 | 2 |
| Molybdenum | MT/ACSE/205 | * | 0.0012 | 0.012 | 0.5 | 10 | 30 |
| Nickel | MT/ACSE/205 | * | 0.0019 | 0.019 | 0.4 | 10 | 40 |
| Lead | MT/ACSE/205 | * | < 0.004 | < 0.040 | 0.5 | 10 | 50 |
| Antimony | MT/ACSE/205 | * | < 0.003 | < 0.030 | 0.06 | 0.7 | 5 |
| Selenium | MT/ACSE/205 | * | < 0.006 | < 0.060 | 0.1 | 0.5 | 7 |
| | | | | | | | |

Comments: (comments are beyond the scope of UKAS accreditation)

MT/ACSE/205

MT/ACSE/204

MT/ACSE/204

MT/ACSE/204

MT/ACSE/304

MT/ACSE/107

MT/ACSE/103

Key (at clients request):

Dissolved organic carbon

Total dissolved solids

Zinc

Chloride

Fluoride

Sulphate

Phenol index

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

*

*

*

*

*

*

The landfill waste acceptance criteria limits are provided for guidance only. Eluates prepared in accordance with BS EN 12457-3:2002*

< 0.002

< 3.00

0.19

17.97

130

< 0.05

7.99

< 0.020

< 30.00

1.897

179.7

1300

< 0.50

79.90

4

800

10

1000

4000

1

500

50

15000

150

20000

60000

800

200

25000

500

50000

100000

Certificate No. Site Address

TEGT VALUES

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Poole Park Minature Railway

| ACSE Sample Number | 38174 |
|----------------------------------|--------|
| Sample ID | 42680 |
| Clients Sample Ref. | WS07 |
| Material Source | In Sit |
| Location / Sample Depth (m) | 0.47-0 |
| Time Sampled | |
| Date Sampled | 01/10 |
| Sample Deviating Codes | ef |
| Client's Sample Description | |
| ACS Testing Material Description | Dark |
| Principal Matrix (as received) | PEAT |
| | |

38174 426808 - 18-97284 WS07 In Situ 0.47-0.74m 01/10/2018 ef

Dark brown mottled dark grey sandy PEAT



LANDFILL WASTE ACCEPTANCE CRITERIA (WAC)

| ILSI VALULS | | | | | |
|-----------------------------------|-------|---|-------------------------------|-------|--------|
| Mass of Undried Test Portion (Mw) | 182.3 | g | Volume of Leachant Used (L10) | 0.808 | litres |
| Mass of Dried Test Portion (Mp) | 90.0 | g | | | |
| Moisture Content Ratio (MC) | 103 | % | Volume of Eluate (VE10) | 0.795 | litres |
| Dry Matter Content (DR) | 49.4 | % | | | |

| SOLIDS ANALYSIS | | | | | | LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATION | | |
|---------------------------------|--------------|-----------------------------------|----------------------------------|-------------------|---|---|--------------------|--|
| Analyte | Method | AS | Sample Condition for Analysis | Results | Inert Waste | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste | |
| Total Organic Carbon (%) | MT/ACSE/102 | * | As received | 4.34 | 3 % | 5 % | 6 % | |
| Loss on ignition (%) | MT/ACSE/302 | *f | Air dried at 30 ℃ | 22 | | | 10 % | |
| BTEX (mg/kg) | MT/ACSE/101 | *ef | As received | < 0.60 | 6 | | | |
| PCBs (7 congeners) (mg/kg) | IHP-GCMS | | Air dried at 30℃ | < 1.00 | 1 | | | |
| Mineral oil (C10 - C40) (mg/kg) | MT/ACSE/105 | * | As received | 114 | 500 | | | |
| PAHs (mg/kg) | MT/ACSE/106 | *f | Air dried at 30 ℃ | 5.63 | 100 | | | |
| pH (units) | MT/ACSE/301 | *ef | Air dried at 30 ℃ | 5.7 | | >6 | | |
| ELUATE ANALYSIS | | | | | | | | |
| Analyte | Method | Method AS Concentration in Amount | | Amount Leached | LANDFILL WASTE | ACCEPTANCE CRITE | RIA SPECIFICATION | |
| Eluate Preparation | I P/ACSE/104 | | (mg/l) (mg/kg) | | BS EN 12457-2-2002 LIMIT VALUES (mg/kg) at L/S 10 | | | |
| Liquid : Solid Batio (L/S) | L P/ACSE/101 | * | L/S 10 | L/S 10 | Inert Waste | Stable | Hazardous | |
| pH (units) | MT/ACSE/301 | * | 8.5 | | | non-reactive | waste | |
| Temperature (°C) | MT/ACSE/301 | | 20 | | | in non-hazardous | | |
| Conductivity (mS/m) | MT/ACSE/303 | * | 32.60 | | | landfill | | |
| Arsenic | MT/ACSE/205 | * | < 0.003 | < 0.0300 | 0.5 | 2 | 25 | |
| Barium | MT/ACSE/205 | * | 0.446 | 4.459 | 20 | 100 | 300 | |
| Cadmium | MT/ACSE/205 | * | < 0.0008 | < 0.008 | 0.04 | 1 | 5 | |
| Chromium (total) | MT/ACSE/205 | * | 0.004 | 0.044 | 0.5 | 10 | 70 | |
| Copper | MT/ACSE/205 | * | < 0.008 | < 0.080 | 2 | 50 | 100 | |
| Mercury | MT/ACSE/202 | * | < 0.0001 | < 0.0010 | 0.01 | 0.2 | 2 | |
| Molybdenum | MT/ACSE/205 | * | < 0.0010 | < 0.010 | 0.5 | 10 | 30 | |
| Nickel | MT/ACSE/205 | * | 0.0016 | 0.016 | 0.4 | 10 | 40 | |
| Lead | MT/ACSE/205 | * | < 0.004 | < 0.040 | 0.5 | 10 | 50 | |
| Antimony | MT/ACSE/205 | * | < 0.003 | < 0.030 | 0.06 | 0.7 | 5 | |
| Selenium | MT/ACSE/205 | * | 0.016 | 0.161 | 0.1 | 0.5 | 7 | |
| Zinc | MT/ACSE/205 | * | 0.055 | 0.548 | 4 | 50 | 200 | |
| Chloride | MT/ACSE/204 | * | 9.96 | 99.58 | 800 | 15000 | 25000 | |
| Fluoride | MT/ACSE/204 | * | 0.18 | 1.810 | 10 | 150 | 500 | |

Comments: (comments are beyond the scope of UKAS accreditation)

MT/ACSE/204

MT/ACSE/304

MT/ACSE/107

MT/ACSE/103

Key (at clients request):

Dissolved organic carbon

Total dissolved solids

Sulphate

Phenol index

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

*

*

*

The landfill waste acceptance criteria limits are provided for guidance only. Eluates prepared in accordance with BS EN 12457-3:2002*

137.9

220

< 0.05

18.5

1000

4000

1

500

1379

2200

< 0.50

185.0

20000

60000

800

50000

100000

Certificate No. Site Address

TECT VALUES

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Poole Park Minature Railway

| ACSE Sample Number | 38176 |
|----------------------------------|---------------------------|
| Sample ID | 426810 - 18-97284 |
| Clients Sample Ref. | TP09 |
| Material Source | In Situ |
| Location / Sample Depth (m) | 0.00-0.39m |
| Time Sampled | |
| Date Sampled | 01/10/2018 |
| Sample Deviating Codes | ef |
| Client's Sample Description | |
| ACS Testing Material Description | Brown gravelly silty SAND |
| Principal Matrix (as received) | SILT |

ACS

150

20000

60000

800

10

1000

4000

1

500

1.173

108.8

450.0

< 0.50

108.2

500

50000

100000

1000

| IDFILL WASTE ACCEPTANCE CRITERIA (WAC |) |
|---------------------------------------|---|
|---------------------------------------|---|

| TEST VALUES | | | | | |
|-----------------------------------|------|---|-------------------------------|-------|--------|
| Mass of Undried Test Portion (Mw) | 93.2 | g | Volume of Leachant Used (L10) | 0.897 | litres |
| Mass of Dried Test Portion (Mp) | 90.0 | g | | | |
| Moisture Content Ratio (MC) | 3.6 | % | Volume of Eluate (VE10) | 0.843 | litres |
| Dry Matter Content (DR) | 96.6 | % | | | |

| SOLIDS ANALYSIS | LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATION | | | | | | |
|---------------------------------|--|--------|----------------------------------|----------|---|---|--------------------|
| Analyte | Method | AS | Sample Condition for Analysis | Results | Inert Waste | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste |
| Total Organic Carbon (%) | MT/ACSE/102 | * | As received | 2.03 | 3 % | 5 % | 6 % |
| Loss on ignition (%) | MT/ACSE/302 | *f | Air dried at 30℃ | 7.2 | | | 10 % |
| BTEX (mg/kg) | MT/ACSE/101 | *ef | As received | < 0.60 | 6 | | |
| PCBs (7 congeners) (mg/kg) | MT/ACSE/104 | * | Air dried at 30 °C | < 1.00 | 1 | | |
| Mineral oil (C10 - C40) (mg/kg) | MT/ACSE/105 | *# | As received | < 50.0 | 500 | | |
| PAHs (mg/kg) | MT/ACSE/106 | *#f | Air dried at 30 °C | 11.4 | 100 | | |
| pH (units) | MT/ACSE/301 | *ef | Air dried at 30℃ | 6.6 | | >6 | |
| ELUATE ANALYSIS | | | | | | | |
| Analyte | Method | AS | Concentration in | Amount | LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFIC | | |
| Flucts Decembra | | | (mg/l) | (mg/kg) | BS EN 12457-2-2002 LIMIT VALUES (mg/kg) at | | (mg/kg) at L/S 10 |
| Liquide Preparation | | * | 1/0.40 | 1 /0 40 | | Otabla | Lissandaus |
| Liquid : Solid Ratio (L/S) | | | L/S 10 | L/S 10 | inert waste | non-reactive | waste |
| | MT/ACSE/301 | | 8.7 | | | hazardous waste | |
| Complexiture (°C) | MT/ACSE/301 | * | 20 | | | landfill | |
| | MT/ACSE/303 | * | 6.85 | 0.0000 | 0.5 | | 05 |
| Arsenic | MT/ACSE/205 | * | < 0.003 | < 0.0300 | 0.5 | 2 | 25 |
| Barium | MT/ACSE/205 | * | 0.0970 | 0.970 | 20 | 100 | 300 |
| | MT/ACSE/205 | * | < 0.0008 | < 0.008 | 0.04 | 1 | 5 |
| Chromium (total) | MT/ACSE/205 | * | 0.003 | 0.030 | 0.5 | 10 | 70 |
| Copper | MT/ACSE/205 | * | 0.026 | 0.257 | 2 | 50 | 100 |
| Mercury | MT/ACSE/202 | ^ + | < 0.0001 | < 0.0010 | 0.01 | 0.2 | 2 |
| Molybdenum | MT/ACSE/205 | | 0.0021 | 0.021 | 0.5 | 10 | 30 |
| | MT/ACSE/205 | | 0.0021 | 0.021 | 0.4 | 10 | 40 |
| Lead | MT/ACSE/205 | * | 0.014 | 0.137 | 0.5 | 10 | 50 |
| Antimony | MT/ACSE/205 | * | < 0.003 | < 0.030 | 0.06 | 0.7 | 5 |
| | MT/ACSE/205 | * | < 0.006 | < 0.060 | 0.1 | 0.5 | 7 |
| ∠inc | MT/ACSE/205 | * | 0.010 | 0.095 | 4 | 50 | 200 |
| Chloride | MT/ACSE/204 | * | 3.83 | 38.28 | 800 | 15000 | 25000 |

Comments: (comments are beyond the scope of UKAS accreditation)

MT/ACSE/204

MT/ACSE/204

MT/ACSE/304

MT/ACSE/107

MT/ACSE/103

Key (at clients request):

Dissolved organic carbon

Total dissolved solids

Fluoride

Sulphate

Phenol index

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

*

*

*

*

*

The landfill waste acceptance criteria limits are provided for guidance only. Eluates prepared in accordance with BS EN 12457-3:2002*

0.12

10.88

45

< 0.05

10.8

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Site Address

Poole Park Minature Railway

| ACSE Sample Number | 38178 |
|----------------------------------|---------------------------|
| Sample ID | 426812 - 18-97284 |
| Clients Sample Ref. | TP11 |
| Material Source | In Situ |
| Location / Sample Depth (m) | 0.00-0.21m |
| Time Sampled | |
| Date Sampled | 01/10/2018 |
| Sample Deviating Codes | ef |
| Client's Sample Description | |
| ACS Testing Material Description | Brown sandy gravelly SILT |
| Principal Matrix (as received) | SILT |



LANDFILL WASTE ACCEPTANCE CRITERIA (WAC)

| TEST VALUES | | | | | |
|-----------------------------------|-------|---|-------------------------------|-------|--------|
| Mass of Undried Test Portion (Mw) | 102.2 | g | Volume of Leachant Used (L10) | 0.888 | litres |
| Mass of Dried Test Portion (Mp) | 90.0 | g | | | |
| Moisture Content Ratio (MC) | 13.6 | % | Volume of Eluate (VE10) | 0.835 | litres |
| Dry Matter Content (DR) | 88.0 | % | | | |

| SOLIDS ANALYSIS | | | | | LANDFILL WASTE | ACCEPTANCE CRITE | RIA SPECIFICATION | |
|---------------------------------|-------------|--------|----------------------------------|-------------------|--|---|--------------------|--|
| Analyte | Method | AS | Sample Condition for Analysis | Results | Inert Waste | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste | |
| Total Organic Carbon (%) | MT/ACSE/102 | * | As received | 6.55 | 3 % | 5 % | 6 % | |
| Loss on ignition (%) | MT/ACSE/302 | *f | Air dried at 30℃ | 8.9 | | | 10 % | |
| BTEX (mg/kg) | MT/ACSE/101 | *ef | As received | < 0.60 | 6 | | | |
| PCBs (7 congeners) (mg/kg) | MT/ACSE/104 | * | Air dried at 30 °C | < 1.00 | 1 | | | |
| Mineral oil (C10 - C40) (mg/kg) | MT/ACSE/105 | *# | As received | 410 | 500 | | | |
| PAHs (mg/kg) | MT/ACSE/106 | *#f | Air dried at 30℃ | 18.2 | 100 | | | |
| pH (units) | MT/ACSE/301 | *ef | Air dried at 30℃ | 6.9 | | >6 | | |
| ELUATE ANALYSIS | | | | | | | | |
| Analyte | Method | AS | Concentration in Eluate | Amount Leached | LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATIO | | | |
| | | | (mg/l) | (mg/kg) | (g) BS EN 12457-2-2002 LIMIT VALUES (mg/kg) at L/S | | | |
| Eluate Preparation | LP/ACSE/104 | | 1/0.40 | 1 (0.40 | 1 | 01.11 | | |
| Liquid : Solid Ratio (L/S) | | * | L/S 10 | L/S 10 | inert waste | non-reactive | waste | |
| | MT/ACSE/301 | | 8.4 | | | hazardous waste | | |
| Constructivity (%C) | MT/ACSE/301 | * | 20 | | | landfill | | |
| Conductivity (mS/m) | MT/ACSE/303 | ^ + | 11.02 | | 0.5 | | | |
| Arsenic | MT/ACSE/205 | ^ + | < 0.003 | < 0.0300 | 0.5 | 2 | 25 | |
| Barium | MT/ACSE/205 | ^ + | 0.170 | 1.702 | 20 | 100 | 300 | |
| | MT/ACSE/205 | ^ + | < 0.0008 | < 0.008 | 0.04 | 1 | 5 | |
| Chromium (total) | MT/ACSE/205 | ^ + | 0.003 | 0.031 | 0.5 | 10 | /0 | |
| Copper | MT/ACSE/205 | ^ + | 0.036 | 0.365 | 2 | 50 | 100 | |
| Mercury | MT/ACSE/202 | ^ | < 0.0001 | < 0.0010 | 0.01 | 0.2 | 2 | |
| Molybdenum | MT/ACSE/205 | * | 0.0014 | 0.014 | 0.5 | 10 | 30 | |
| Nickel | MT/ACSE/205 | * | 0.0058 | 0.058 | 0.4 | 10 | 40 | |
| Lead | MT/ACSE/205 | * | < 0.004 | < 0.040 | 0.5 | 10 | 50 | |
| Antimony | MT/ACSE/205 | * | < 0.003 | < 0.030 | 0.06 | 0.7 | 5 | |
| Selenium | MT/ACSE/205 | * | 0.010 | 0.096 | 0.1 | 0.5 | 7 | |

Comments: (comments are beyond the scope of UKAS accreditation)

MT/ACSE/205

MT/ACSE/204

MT/ACSE/204

MT/ACSE/204

MT/ACSE/304

MT/ACSE/107

MT/ACSE/103

Key (at clients request):

Dissolved organic carbon

Total dissolved solids

Zinc

Chloride

Fluoride

Sulphate

Phenol index

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

*

*

*

*

*

*

*

The landfill waste acceptance criteria limits are provided for guidance only. Eluates prepared in accordance with BS EN 12457-3:2002*

0.028

9.12

0.61

4.61

65

< 0.05

17.2

0.276

91.23

6.124

46.07

650.0

< 0.50

172.1

4

800

10

1000

4000

1

500

50

15000

150

20000

60000

800

200

25000

500

50000

100000

Certificate No. Site Address

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Poole Park Minature Railway

| ACSE Sample Number | 38180 |
|----------------------------------|-----------------------------|
| Sample ID | 426814 - 18-97284 |
| Clients Sample Ref. | TP13 |
| Material Source | In Situ |
| Location / Sample Depth (m) | 0.00-0.64m |
| Time Sampled | |
| Date Sampled | 01/10/2018 |
| Sample Deviating Codes | ef |
| Client's Sample Description | |
| ACS Testing Material Description | Multicoloured gravelly SAND |
| Principal Matrix (as received) | SAND |



LANDFILL WASTE ACCEPTANCE CRITERIA (WAC)

| TEST VALUES | | | | | |
|-----------------------------------|------|---|-------------------------------|-------|--------|
| Mass of Undried Test Portion (Mw) | 90.0 | g | Volume of Leachant Used (L10) | 0.900 | litres |
| Mass of Dried Test Portion (Mp) | 90.0 | g | | | |
| Moisture Content Ratio (MC) | 0.0 | % | Volume of Eluate (VE10) | 0.846 | litres |
| Dry Matter Content (DR) | 100 | % | | | |

| SOLIDS ANALYSIS | | LANDFILL WASTE | ACCEPTANCE CRITE | RIA SPECIFICATION | | | | |
|---------------------------------|-------------|----------------|----------------------------------|---|-------------|---|--------------------|--|
| Analyte | Method | AS | Sample Condition for Analysis | Results | Inert Waste | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste | |
| Total Organic Carbon (%) | MT/ACSE/102 | * | As received | 2.55 | 3 % | 5 % | 6 % | |
| Loss on ignition (%) | MT/ACSE/302 | *f | Air dried at 30℃ | 2.1 | | | 10 % | |
| BTEX (mg/kg) | MT/ACSE/101 | *ef | As received | < 0.60 | 6 | | | |
| PCBs (7 congeners) (mg/kg) | MT/ACSE/104 | * | Air dried at 30 ℃ | < 1.00 | 1 | | | |
| Mineral oil (C10 - C40) (mg/kg) | MT/ACSE/105 | *# | As received | 423 | 500 | | | |
| PAHs (mg/kg) | MT/ACSE/106 | *#f | Air dried at 30 ℃ | 19.8 | 100 | | | |
| pH (units) | MT/ACSE/301 | *ef | Air dried at 30 ℃ | 7.0 | | >6 | | |
| ELUATE ANALYSIS | | | | | | | | |
| Analyte | Method | AS | Concentration in Eluate | ntration in Amount | | LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICA | | |
| Eluate Preparation | LP/ACSE/104 | | (mg/l) | -2-2002 EINIT VALUES (Hig/kg) at E/S TO | | | | |
| Liquid : Solid Ratio (L/S) | LP/ACSE/101 | * | L/S 10 | L/S 10 | Inert Waste | Stable | Hazardous | |
| pH (units) | MT/ACSE/301 | * | 8.7 | | | non-reactive | waste | |
| Temperature (℃) | MT/ACSE/301 | | 20 | | | in non-hazardous | | |
| Conductivity (mS/m) | MT/ACSE/303 | * | 4.34 | | | landfill | | |
| Arsenic | MT/ACSE/205 | * | < 0.003 | < 0.0300 | 0.5 | 2 | 25 | |
| Barium | MT/ACSE/205 | * | 0.0715 | 0.715 | 20 | 100 | 300 | |
| Cadmium | MT/ACSE/205 | * | < 0.0008 | < 0.008 | 0.04 | 1 | 5 | |
| Chromium (total) | MT/ACSE/205 | * | 0.002 | 0.023 | 0.5 | 10 | 70 | |
| Copper | MT/ACSE/205 | * | 0.015 | 0.145 | 2 | 50 | 100 | |
| Mercury | MT/ACSE/202 | * | < 0.0001 | < 0.0010 | 0.01 | 0.2 | 2 | |
| Molybdenum | MT/ACSE/205 | * | 0.0024 | 0.024 | 0.5 | 10 | 30 | |
| Nickel | MT/ACSE/205 | * | 0.0020 | 0.020 | 0.4 | 10 | 40 | |
| Lead | MT/ACSE/205 | * | < 0.004 | < 0.040 | 0.5 | 10 | 50 | |

< 0.003

< 0.006

< 0.002

< 3.00

0.52

< 3.00

< 25

< 0.05

7.31

0.06

0.1

4

800

10

1000

4000

1

500

< 0.030

< 0.060

< 0.020

< 30.00

5.173

< 30.00

< 100.0

< 0.50

73.10

0.7

0.5

50

15000

150

20000

60000

800

5

7

200

25000

500

50000

100000

1000

Comments: (comments are beyond the scope of UKAS accreditation)

MT/ACSE/205

MT/ACSE/205

MT/ACSE/205

MT/ACSE/204

MT/ACSE/204

MT/ACSE/204

MT/ACSE/304

MT/ACSE/107

MT/ACSE/103

Key (at clients request):

Dissolved organic carbon

Total dissolved solids

Antimony

Selenium

Chloride

Fluoride

Sulphate

Phenol index

Zinc

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

*

*

*

*

*

*

*

*

*

The landfill waste acceptance criteria limits are provided for guidance only. Eluates prepared in accordance with BS EN 12457-3:2002*

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Site Address

Poole Park Minature Railway

| ACSE Sample Number | 38182 |
|----------------------------------|-------------------|
| Sample ID | 426816 - 18-97284 |
| Clients Sample Ref. | TP14 |
| Material Source | In Situ |
| Location / Sample Depth (m) | 0.15-0.60m |
| Time Sampled | |
| Date Sampled | 01/10/2018 |
| Sample Deviating Codes | ef |
| Client's Sample Description | |
| ACS Testing Material Description | Grey sandy GRAVEL |
| Principal Matrix (as received) | SAND |
| | |

| SING |
|------|
| |

| WASTE | ACCEPTANCE | CRITERIA | (WAC) |
|-------|------------|----------|-------|

| TEST VALUES | | | | | |
|-----------------------------------|------|---|-------------------------------|-------|--------|
| Mass of Undried Test Portion (Mw) | 90.7 | g | Volume of Leachant Used (L10) | 0.899 | litres |
| Mass of Dried Test Portion (Mp) | 90.0 | g | | | |
| Moisture Content Ratio (MC) | 0.8 | % | Volume of Eluate (VE10) | 0.868 | litres |
| Dry Matter Content (DR) | 99.2 | % | | | |

| SOLIDS ANALYSIS | | | | | LANDFILL WASTE | ACCEPTANCE CRITE | RIA SPECIFICATION | |
|---------------------------------|-------------|-----|----------------------------------|-------------------|----------------|---|--------------------|--|
| Analyte | Method | AS | Sample Condition for Analysis | Results | Inert Waste | Stable non-reactive hazardous waste in non-hazardous landfill | Hazardous waste | |
| Total Organic Carbon (%) | MT/ACSE/102 | * | As received | 15.4 | 3 % | 5 % | 6 % | |
| Loss on ignition (%) | MT/ACSE/302 | *f | Air dried at 30 ℃ | 2.9 | | | 10 % | |
| BTEX (mg/kg) | MT/ACSE/101 | *ef | As received | < 0.60 | 6 | | | |
| PCBs (7 congeners) (mg/kg) | MT/ACSE/104 | * | Air dried at 30℃ | < 1.00 | 1 | | | |
| Mineral oil (C10 - C40) (mg/kg) | MT/ACSE/105 | *# | As received | 152 | 500 | | | |
| PAHs (mg/kg) | MT/ACSE/106 | *#f | Air dried at 30 ℃ | 36.2 | 100 | | | |
| pH (units) | MT/ACSE/301 | *ef | Air dried at 30℃ | 7.2 | | >6 | | |
| ELUATE ANALYSIS | | | | | | | | |
| Analyte | Method | AS | Concentration in Eluate | Amount Leached | LANDFILL WASTE | LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATION | | |
| Eluate Preparation | LP/ACSE/104 | | (mg/l) | (mg/l) (mg/kg) | | 20 EN 12437-2-2002 EINIT VALUES (INJ/KJ) at L/3 10 | | |
| Liquid : Solid Ratio (L/S) | LP/ACSE/101 | * | L/S 10 | L/S 10 | Inert Waste | Stable | Hazardous | |
| pH (units) | MT/ACSE/301 | * | 8.5 | | | non-reactive | waste | |
| Temperature (℃) | MT/ACSE/301 | | 20 | | | in non-hazardous | | |
| Conductivity (mS/m) | MT/ACSE/303 | * | 5.10 | | | landfill | | |
| Arsenic | MT/ACSE/205 | * | < 0.003 | < 0.0300 | 0.5 | 2 | 25 | |
| Barium | MT/ACSE/205 | * | 0.0730 | 0.730 | 20 | 100 | 300 | |
| Cadmium | MT/ACSE/205 | * | < 0.0008 | < 0.008 | 0.04 | 1 | 5 | |
| Chromium (total) | MT/ACSE/205 | * | 0.003 | 0.027 | 0.5 | 10 | 70 | |
| Copper | MT/ACSE/205 | * | 0.023 | 0.233 | 2 | 50 | 100 | |
| Mercury | MT/ACSE/202 | * | < 0.0001 | < 0.0010 | 0.01 | 0.2 | 2 | |
| Molybdenum | MT/ACSE/205 | * | 0.0023 | 0.023 | 0.5 | 10 | 30 | |
| Nickel | MT/ACSE/205 | * | 0.0020 | 0.020 | 0.4 | 10 | 40 | |
| Lead | MT/ACSE/205 | * | < 0.004 | < 0.040 | 0.5 | 10 | 50 | |
| Antimony | MT/ACSE/205 | * | < 0.003 | < 0.030 | 0.06 | 0.7 | 5 | |
| Selenium | MT/ACSE/205 | * | < 0.006 | < 0.060 | 0.1 | 0.5 | 7 | |
| Zinc | MT/ACSE/205 | * | < 0.002 | < 0.020 | 4 | 50 | 200 | |

Comments: (comments are beyond the scope of UKAS accreditation)

MT/ACSE/204

MT/ACSE/204

MT/ACSE/204

MT/ACSE/304

MT/ACSE/107

MT/ACSE/103

Key (at clients request):

Dissolved organic carbon

Total dissolved solids

Chloride

Fluoride

Sulphate

Phenol index

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

*

*

*

*

*

*

The landfill waste acceptance criteria limits are provided for guidance only. Eluates prepared in accordance with BS EN 12457-3:2002*

< 3.00

0.61

< 3.00

60

< 0.05

4.54

< 30.00

6.137

< 30.00

600.0

< 0.50

45.40

800

10

1000

4000

1

500

15000

150

20000

60000

800

25000

5<u>00</u>

50000

100000



Technical Information for Analytical Results

Analysis

* - denotes analysis covered by our UKAS accreditation

- denoted analysis covered by our MCERTS certification

AD = Sample tested in air dried condition.

AR = Sample tested in as-received condition.

D = Sample tested in dry condition. L = Laboratory prepared leachate

SC = sub contracted

All MCERTS certified test values reported on a dry weight basis.

UKAS uncertainty available on request.

Where results are less than the limit of detection, the value of 0 is used in calculations.

For Phenol index, m- and p- cresol are reported as mixed isomers, calibrated with reference to a p-cresol reference solution. The individual concentrations of m- and p- cresol cannot be quantified using this method, however, the result reported for the mixed isomers will be an over estimation of the true result in samples where m-cresol is present.

Deviating Codes

Deviating Samples

The use of any of the following symbols indicates that the sample was deviating and it is possible therefore that the results provided may not be representative of the sample taken.

- a The date and /or time of sampling has not been provided, therefore it is not known if the time lapse between sampling and analysis has exceeded the acceptable holding time(s)*.
- b The test item was received in a container which has not been recommended*.
- c On receipt, the temperature of the sample received was found to fall outside the recommendations of BS ISO 18512:2007, Soil Quality. Guidance on long and short term storage of soil samples*.
- d The sample was received in a container that had not been filled as recommended*.
- e The delay between sampling and sample receipt is greater than the recommended holding time for the analyte of interest in this matrix*.
- f The delay between sampling and analysis is greater than the recommended holding time for the analyte of interest in this matrix*.

*In accordance with the requirements of Technical Policy Statement TPS 63; UKAS Policy on Deviating Samples, all UKAS accredited testing laboratories are required to notify their clients that calibration or test results may be invalid where samples are found to be deviating. It is the opinion of ACSE that the term invalid should be interpreted as 'not fully representative of the sample taken at source'.

The following Additional Deviating Sample Codes may also be used.

- I/S Insufficient sample mass/volume received for accurate quantification of this analyte.
- U/S The sample received was deemed unsuitable for accurate determination of this analyte using the Test Methods available.

Head Office

Unit 14B Blackhill Road West Holton Heath Trading Park Poole Dorset BH16 6LE

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Unit 14B

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Quality Testing & Materials Consultancy to the Construction Industry