



APPENDIX 9 - Plate Load Test Results



Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 10746-1

Report Date: 07/11/2023

Client: Groundtech Consulting Ltd
 Address: First Floor, Lloyd House
 Orford Court
 Leigh
 WN7 3XJ

Site: Co-op Food, Mafon Road, Caerphilly, Nelson, Treharris, CF46 6PE

Test Details

Test Location: 1

Date of Test: 07/11/2023

Description: Grey Sandy CLAY

Reaction Load: 9 Tonne JCB

Material Class: Formation

Weather: Sunny

Layer: -500mm

Plate Diameter (mm): 604

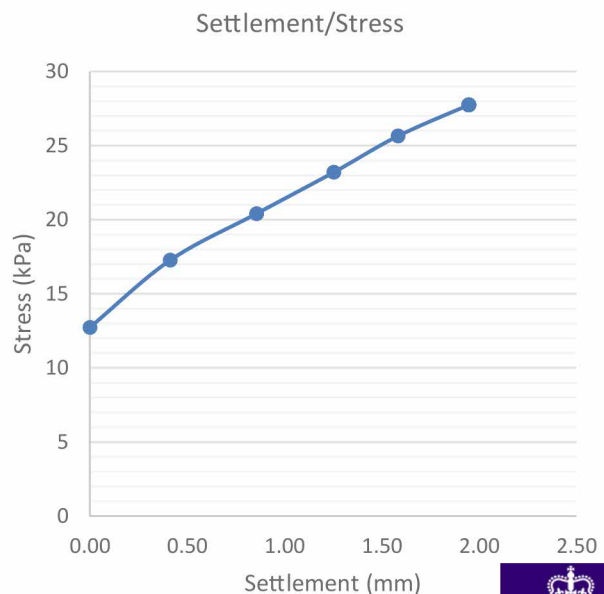
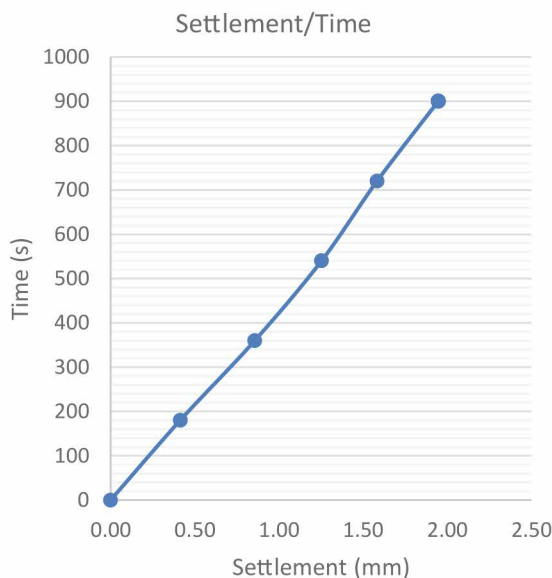
Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	13
180	0.41	17
360	0.86	20
540	1.25	23
720	1.58	26
900	1.95	28

Maximum Applied Stress (kPa):	28
Maximum Settlement (mm):	1.95
Equivalent CBR Value (%):	1
Modulus of Subgrade Reaction, k_{762} (MN/m²/m):	15

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)



For and on behalf of Hixtra Ltd



Kevin Shorthouse
 Authorised signatory



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HU-SOI-01E Issue 3



Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 10746-2

Report Date: 07/11/2023

Client: Groundtech Consulting Ltd
 Address: First Floor, Lloyd House
 Orford Court
 Leigh
 WN7 3XJ

Site: Co-op Food, Mafon Road, Caerphilly, Nelson, Treharris, CF46 6PE

Test Details

Test Location: 2

Date of Test: 07/11/2023

Description: Crushed ROCK

Reaction Load: 9 Tonne JCB

Material Class: Subbase

Weather: Sunny

Layer: -200mm

Plate Diameter (mm): 604

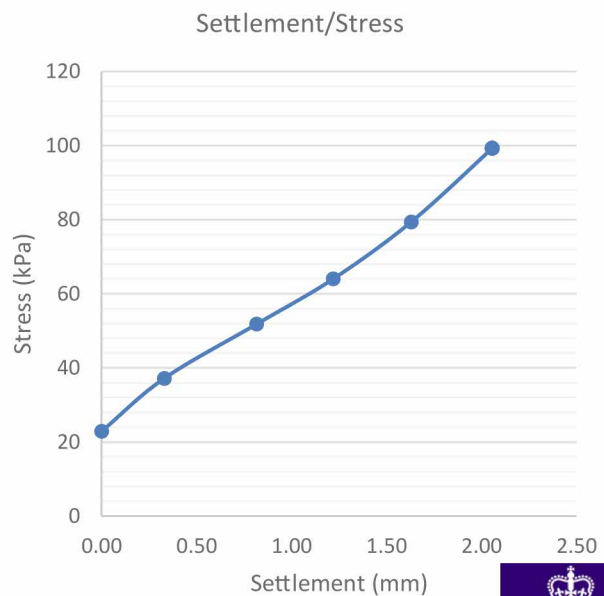
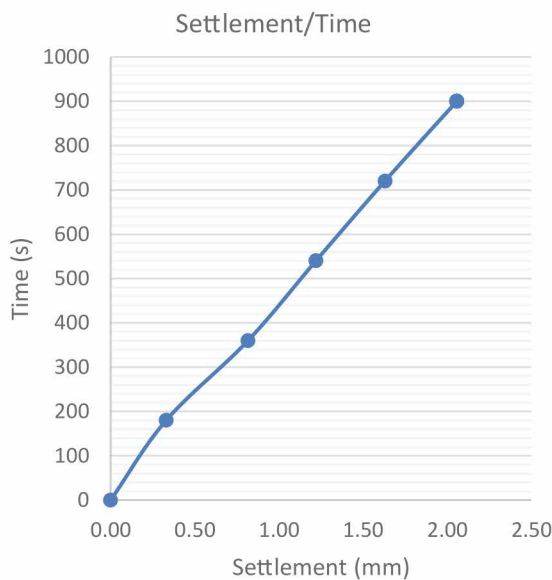
Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	23
180	0.33	37
360	0.82	52
540	1.22	64
720	1.63	79
900	2.06	99

Maximum Applied Stress (kPa):	99
Maximum Settlement (mm):	2.06
Equivalent CBR Value (%):	6
Modulus of Subgrade Reaction, k_{762} (MN/m²/m):	42

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)



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HU-SOI-01E Issue 3



Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 10746-3

Report Date: 07/11/2023

Client: Groundtech Consulting Ltd
 Address: First Floor, Lloyd House
 Orford Court
 Leigh
 WN7 3XJ

Site: Co-op Food, Mafon Road, Caerphilly, Nelson, Treharris, CF46 6PE

Test Details

Test Location: 3

Date of Test: 07/11/2023

Description: Crushed ROCK

Reaction Load: 9 Tonne JCB

Material Class: Subbase

Weather: Sunny

Layer: -200mm

Plate Diameter (mm): 604

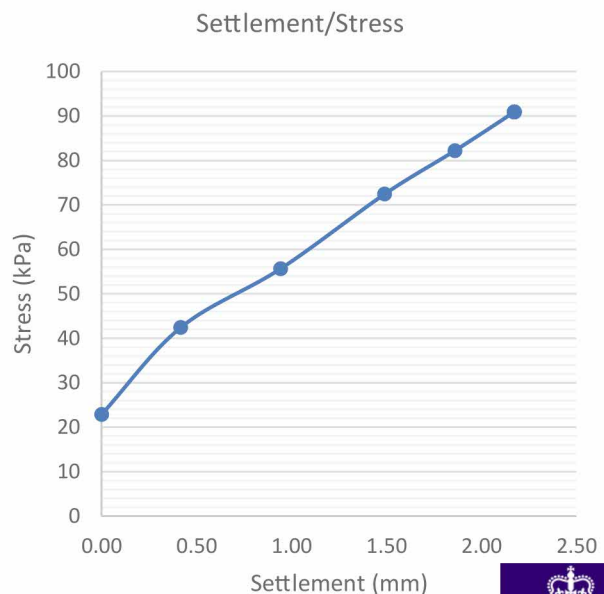
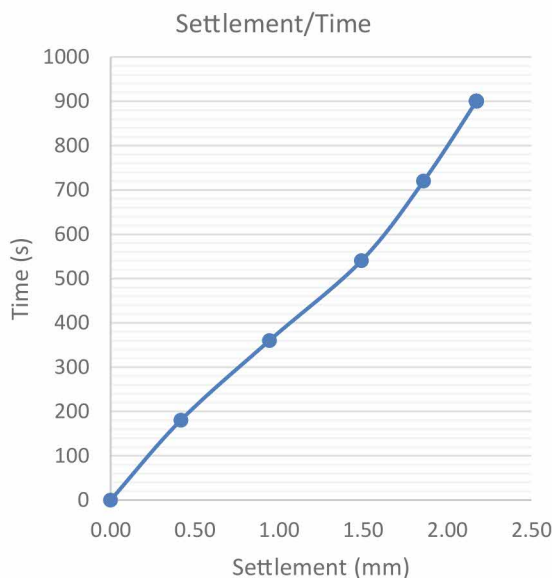
Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	23
180	0.42	42
360	0.94	56
540	1.49	72
720	1.86	82
900	2.17	91

Maximum Applied Stress (kPa):	91
Maximum Settlement (mm):	2.17
Equivalent CBR Value (%):	6
Modulus of Subgrade Reaction, k_{762} (MN/m²/m):	42

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)



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Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 10746-4

Report Date: 07/11/2023

Client: Groundtech Consulting Ltd
 Address: First Floor, Lloyd House
 Orford Court
 Leigh
 WN7 3XJ

Site: Co-op Food, Mafon Road, Caerphilly, Nelson, Treharris, CF46 6PE

Test Details

Test Location: 4

Date of Test: 07/11/2023

Description: Crushed ROCK

Reaction Load: 9 Tonne JCB

Material Class: Subbase

Weather: Sunny

Layer: -200mm

Plate Diameter (mm): 604

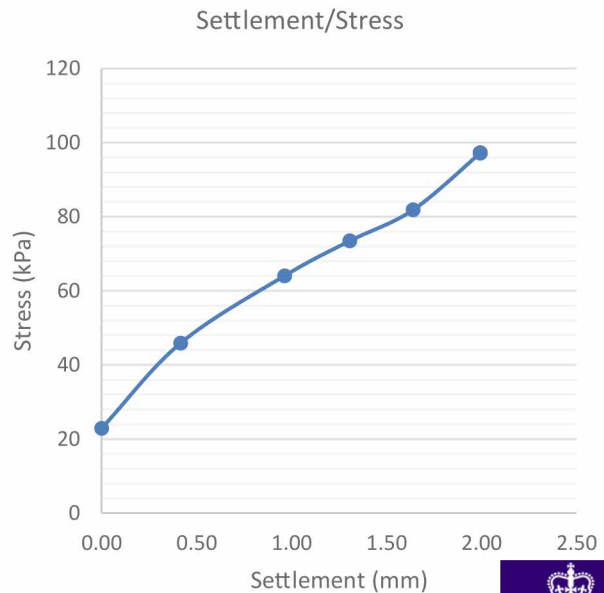
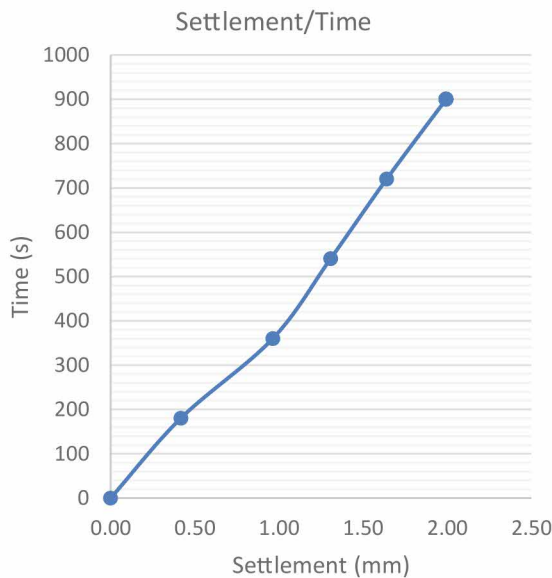
Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	23
180	0.42	46
360	0.96	64
540	1.31	73
720	1.64	82
900	1.99	97

Maximum Applied Stress (kPa):	97
Maximum Settlement (mm):	1.99
Equivalent CBR Value (%):	7
Modulus of Subgrade Reaction, k_{762} (MN/m²/m):	47

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)



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Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 10746-5

Report Date: 07/11/2023

Client: Groundtech Consulting Ltd
 Address: First Floor, Lloyd House
 Orford Court
 Leigh
 WN7 3XJ

Site: Co-op Food, Mafon Road, Caerphilly, Nelson, Treharris, CF46 6PE

Test Details

Test Location: 5

Date of Test: 07/11/2023

Description: Crushed ROCK

Reaction Load: 9 Tonne JCB

Material Class: Subbase

Weather: Sunny

Layer: -200mm

Plate Diameter (mm): 604

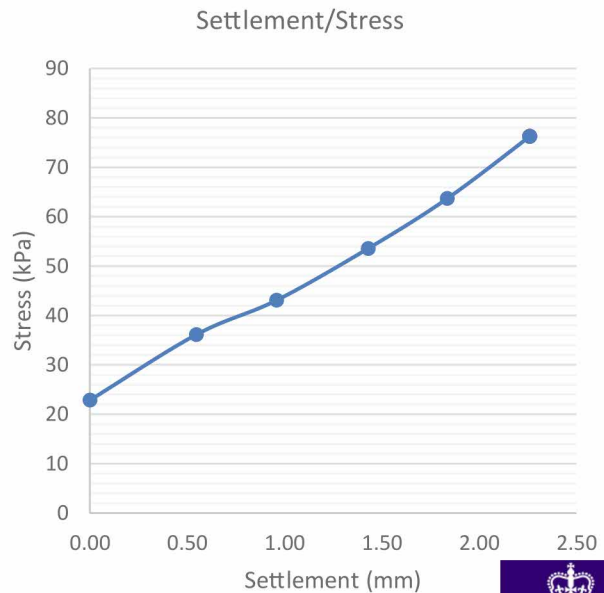
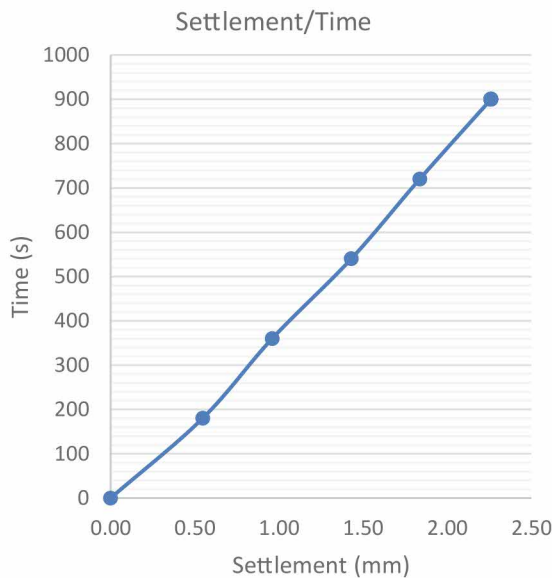
Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	23
180	0.55	36
360	0.96	43
540	1.43	54
720	1.84	64
900	2.26	76

Maximum Applied Stress (kPa):	76
Maximum Settlement (mm):	2.26
Equivalent CBR Value (%):	4
Modulus of Subgrade Reaction, k_{762} (MN/m²/m):	32

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)



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Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 10746-6

Report Date: 07/11/2023

Client: Groundtech Consulting Ltd
 Address: First Floor, Lloyd House
 Orford Court
 Leigh
 WN7 3XJ

Site: Co-op Food, Mafon Road, Caerphilly, Nelson, Treharris, CF46 6PE

Test Details

Test Location: 6
 Description: Crushed ROCK
 Material Class: Subbase
 Layer: -300mm
 Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

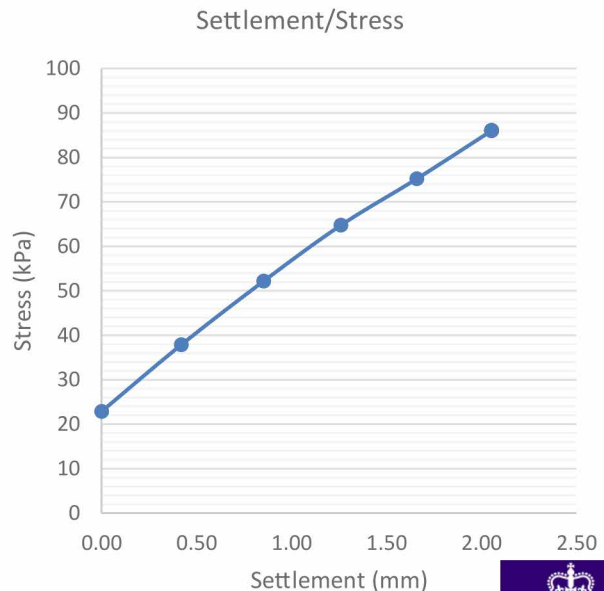
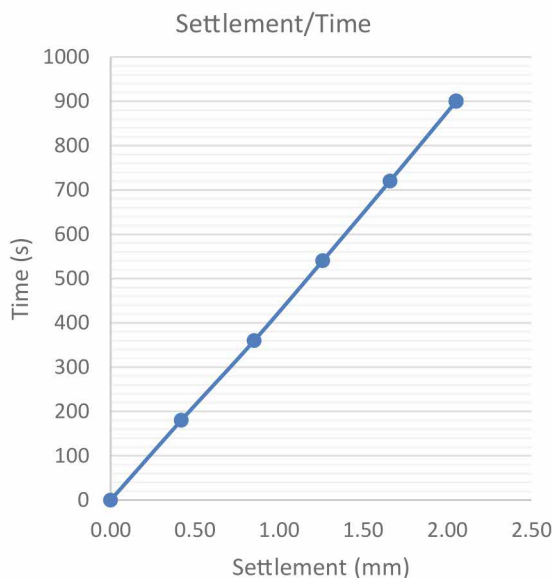
Date of Test: 07/11/2023
 Reaction Load: 9 Tonne JCB
 Weather: Sunny
 Plate Diameter (mm): 604

Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	23
180	0.42	38
360	0.85	52
540	1.26	65
720	1.66	75
900	2.05	86

Maximum Applied Stress (kPa):	86
Maximum Settlement (mm):	2.05
Equivalent CBR Value (%):	6
Modulus of Subgrade Reaction, k_{762} (MN/m²/m):	42

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)



For and on behalf of Hixtra Ltd



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 Authorised signatory



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HU-SOI-01E Issue 3



APPENDIX 10 - Soil Percolation Test Results

SOIL PERCOLATION TEST



Sheet 1 of 2

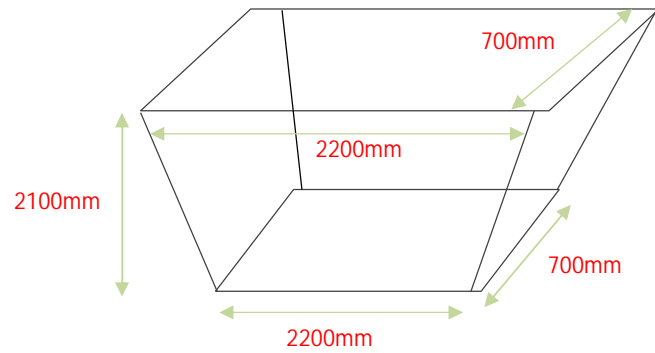
Date of Test: 22/08/2019

POSITION: SuDS1
 TEST 1

Weather: Sunny, clear

Engineer: S Flaherty
 Checked: R Wyatt

Trial Pit Measurements



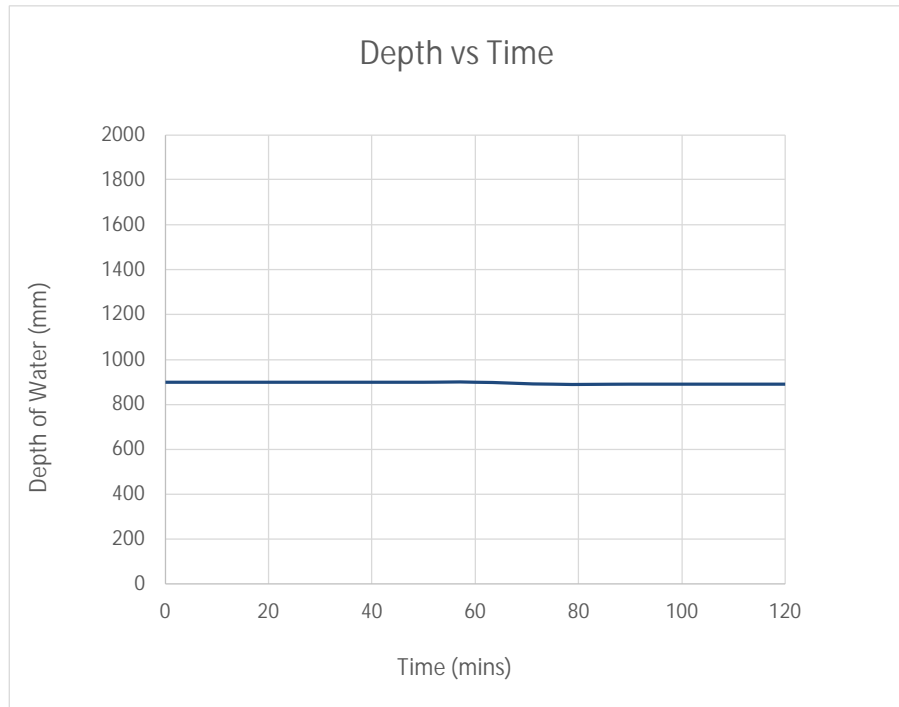
Pit Depth (mm):	2100
Pit Details:	Open with no stone filling
Groundwater Level:	NGW

Test Data

Time Elapsed (mins)	Depth to Water Level (mm)
0	1200
1	1200
2	1200
3	1200
5	1200
6	1200
10	1200
15	1200
20	1200
30	1200
40	1200
50	1200
60	1200
75	1210
90	1210
105	1210
120	1210

SOIL PERCOLATION TEST

POSITION: SuDS1
 TEST 1



Volume of Pit (m ³)	3.234
Void Ratio of Infill	1
Volume of Infill (m ³)	N/A
Volume of Water in Pit (m ³)	1.386

Compliance Check:

Water Level at 75% effective depth (mm)	675
Water Level at 25% effective depth (mm)	225

Test not BRE 365 compliant with BRE 365 - insufficient time to drain past 25% effective depth

Soil Infiltration Rate Calculation

Water Level 1	900
Water Level 2	890
Time to Drain from Level 1 to Level 2 (mins)	120
Volume of water discharged (m ³)	0.0154

Discharge Area (m ²)	6.731
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Soil Infiltration Rate (m/min)	1.9066E-05
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Soil Infiltration Rate (m/sec)	3.18E-07
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SOIL PERCOLATION TEST



Sheet 1 of 2

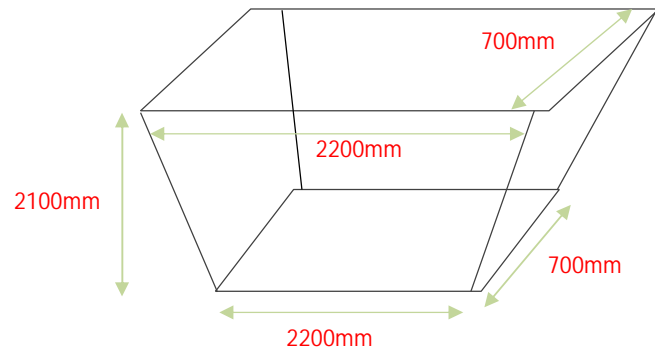
Date of Test: 22/08/2019

POSITION: SuDS1
 TEST 2

Weather: Sunny, clear

Engineer: AJ
 Checked: RR

Trial Pit Measurements



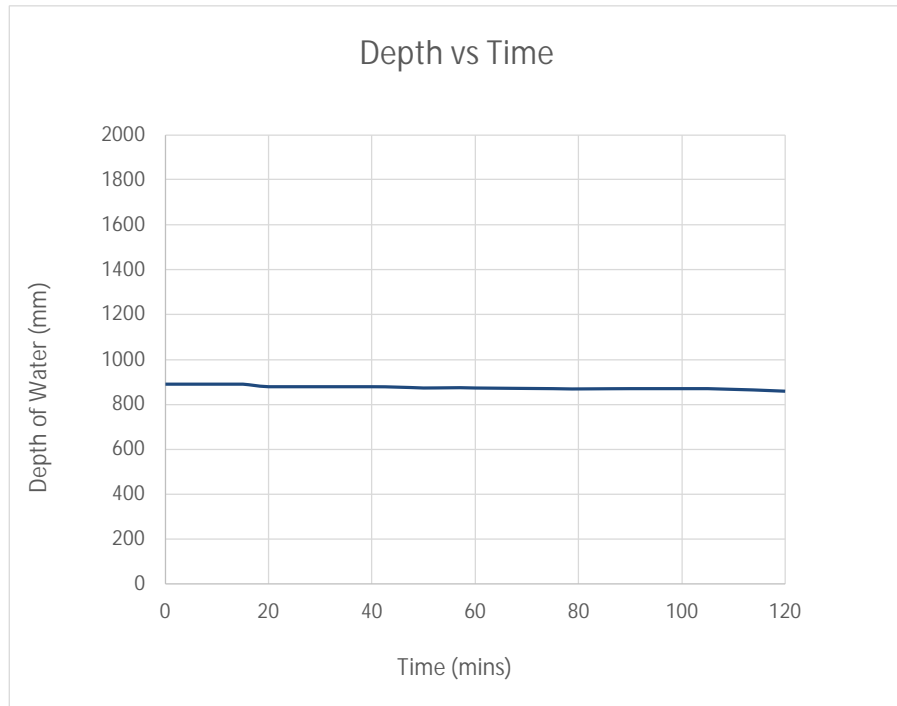
Pit Depth (mm):	2100
Pit Details:	Open with no stone filling
Groundwater Level:	NGW

Test Data

Time Elapsed (mins)	Depth to Water Level (mm)
0	1210
1	1210
2	1210
3	1210
5	1210
6	1210
10	1210
15	1210
20	1220
30	1220
40	1220
50	1225
60	1225
75	1230
90	1230
105	1230
120	1240

SOIL PERCOLATION TEST

POSITION: SuDS1
 TEST 2



Volume of Pit (m ³)	3.234
Void Ratio of Infill	1
Volume of Infill (m ³)	N/A
Volume of Water in Pit (m ³)	1.3706

Compliance Check:

Water Level at 75% effective depth (mm)	667.5
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Water Level at 25% effective depth (mm)	222.5
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Test not BRE 365 compliant with BRE 365 - insufficient time to drain past 25% effective depth

Soil Infiltration Rate Calculation

Water Level 1	890
Water Level 2	860
Time to Drain from Level 1 to Level 2 (mins)	120
Volume of water discharged (m ³)	0.0462

Discharge Area (m ²)	6.615
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Soil Infiltration Rate (m/min)	5.82E-05
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Soil Infiltration Rate (m/sec)	9.70E-07
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SOIL PERCOLATION TEST



Sheet 1 of 2

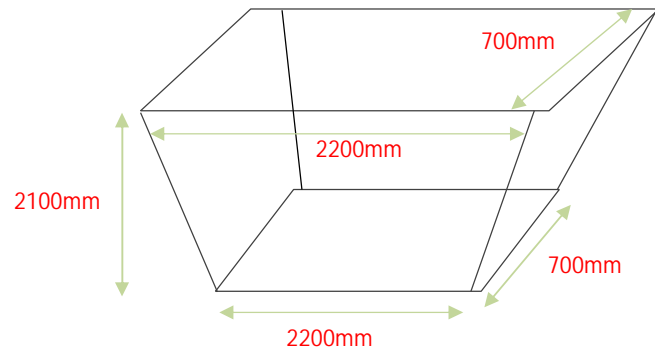
Date of Test: 22/08/2019

POSITION: SuDS1
 TEST 3

Weather: Sunny, clear

Engineer: AJ
 Checked: RR

Trial Pit Measurements



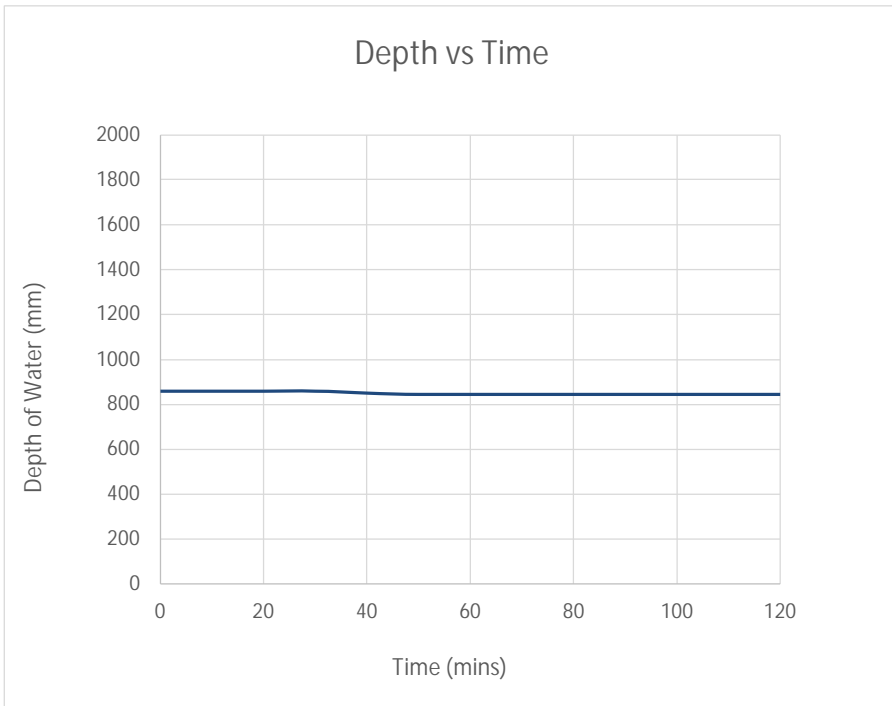
Pit Depth (mm):	2100
Pit Details:	Open with no stone filling
Groundwater Level:	NGW

Test Data

Time Elapsed (mins)	Depth to Water Level (mm)
0	1240
1	1240
2	1240
3	1240
5	1240
6	1240
10	1240
15	1240
20	1240
30	1240
40	1250
50	1255
60	1255
75	1255
90	1255
105	1255
120	1255

SOIL PERCOLATION TEST

POSITION: SuDS1
 TEST 3



Volume of Pit (m ³)	3.234
Void Ratio of Infill	1
Volume of Infill (m ³)	N/A
Volume of Water in Pit (m ³)	1.3244

Compliance Check:

Water Level at 75% effective depth (mm)	645
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Water Level at 25% effective depth (mm)	215
---	-----

Test not BRE 365 compliant with BRE 365 - insufficient time to drain past 25% effective depth

Soil Infiltration Rate Calculation

Water Level 1	860
Water Level 2	845
Time to Drain from Level 1 to Level 2 (mins)	120
Volume of water discharged (m ³)	0.0231

Discharge Area (m ²)	6.4845
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Soil Infiltration Rate (m/min)	2.969E-05
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Soil Infiltration Rate (m/sec)	4.95E-07
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SOIL PERCOLATION TEST



Sheet 1 of 2

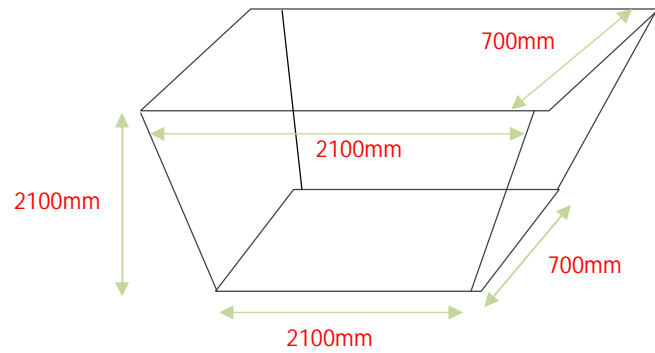
Date of Test: 22/08/2019

POSITION: SuDS2
TEST 1

Weather: Sunny, clear

Engineer: S Flaherty
Checked: R Wyatt

Trial Pit Measurements



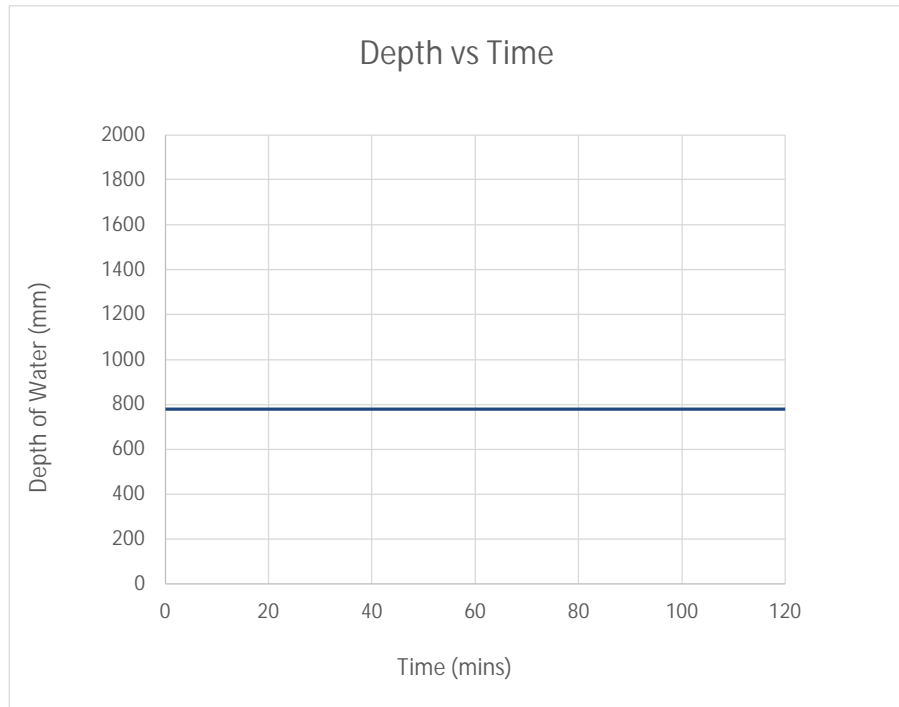
Pit Depth (mm):	2100
Pit Details:	Open with no stone filling
Groundwater Level:	NGW

Test Data

Time Elapsed (mins)	Depth to Water Level (mm)
0	1320
1	1320
2	1320
3	1320
5	1320
6	1320
10	1320
15	1320
20	1320
30	1320
40	1320
50	1320
60	1320
75	1320
90	1320
105	1320
120	1320

SOIL PERCOLATION TEST

POSITION: SuDS2
 TEST 1



Volume of Pit (m ³)	3.087
Void Ratio of Infill	1
Volume of Infill (m ³)	N/A
Volume of Water in Pit (m ³)	1.1466

Compliance Check:

Water Level at 75% effective depth (mm)	585
---	-----

Water Level at 25% effective depth (mm)	195
---	-----

Test not BRE 365 compliant with BRE 365 - insufficient time to drain past 25% effective depth

Soil Infiltration Rate Calculation

Water Level 1	780
Water Level 2	780
Time to Drain from Level 1 to Level 2 (mins)	120
Volume of water discharged (m ³)	0

Discharge Area (m ²)	5.838
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Soil Infiltration Rate (m/min)	0
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Soil Infiltration Rate (m/sec)	0.00E+00
--------------------------------	----------

SOIL PERCOLATION TEST



Sheet 1 of 2

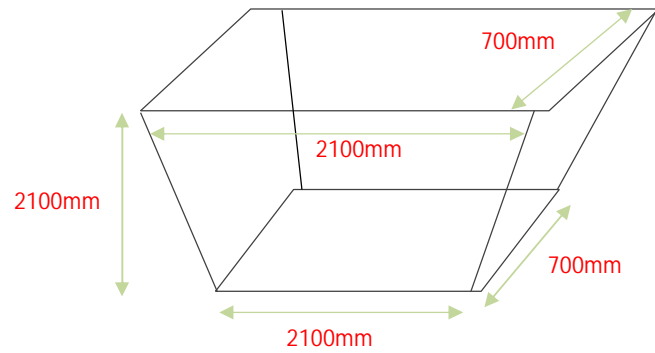
Date of Test: 22/08/2019

POSITION: SuDS2
 TEST 2

Weather: Sunny, clear

Engineer: S Flaherty
 Checked: R Wyatt

Trial Pit Measurements



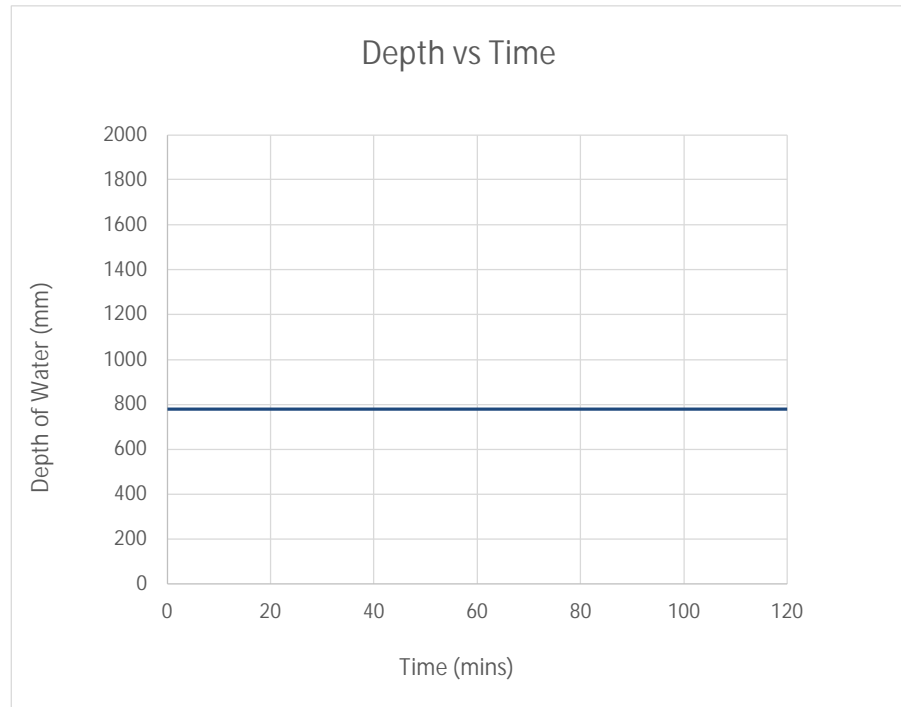
Pit Depth (mm):	2100
Pit Details:	Open with no stone filling
Groundwater Level:	NGW

Test Data

Time Elapsed (mins)	Depth to Water Level (mm)
0	1320
1	1320
2	1320
3	1320
5	1320
6	1320
10	1320
15	1320
20	1320
30	1320
40	1320
50	1320
60	1320
75	1320
90	1320
105	1320
120	1320

SOIL PERCOLATION TEST

POSITION: SuDS2
 TEST 2



Volume of Pit (m ³)	3.087
Void Ratio of Infill	1
Volume of Infill (m ³)	N/A
Volume of Water in Pit (m ³)	1.1466

Compliance Check:

Water Level at 75% effective depth (mm)	585
---	-----

Water Level at 25% effective depth (mm)	195
---	-----

Test not BRE 365 compliant with BRE 365 - insufficient time to drain past 25% effective depth

Soil Infiltration Rate Calculation

Water Level 1	780
Water Level 2	780
Time to Drain from Level 1 to Level 2 (mins)	120
Volume of water discharged (m ³)	0

Discharge Area (m ²)	5.838
----------------------------------	-------

Soil Infiltration Rate (m/min)	0
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Soil Infiltration Rate (m/sec)	0.00E+00
--------------------------------	----------

SOIL PERCOLATION TEST



Sheet 1 of 2

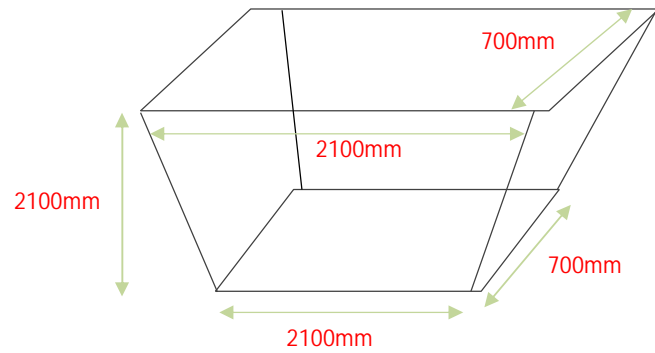
Date of Test: 22/08/2019

POSITION: SuDS2
 TEST 2

Weather: Sunny, clear

Engineer: S Flaherty
 Checked: R Wyatt

Trial Pit Measurements



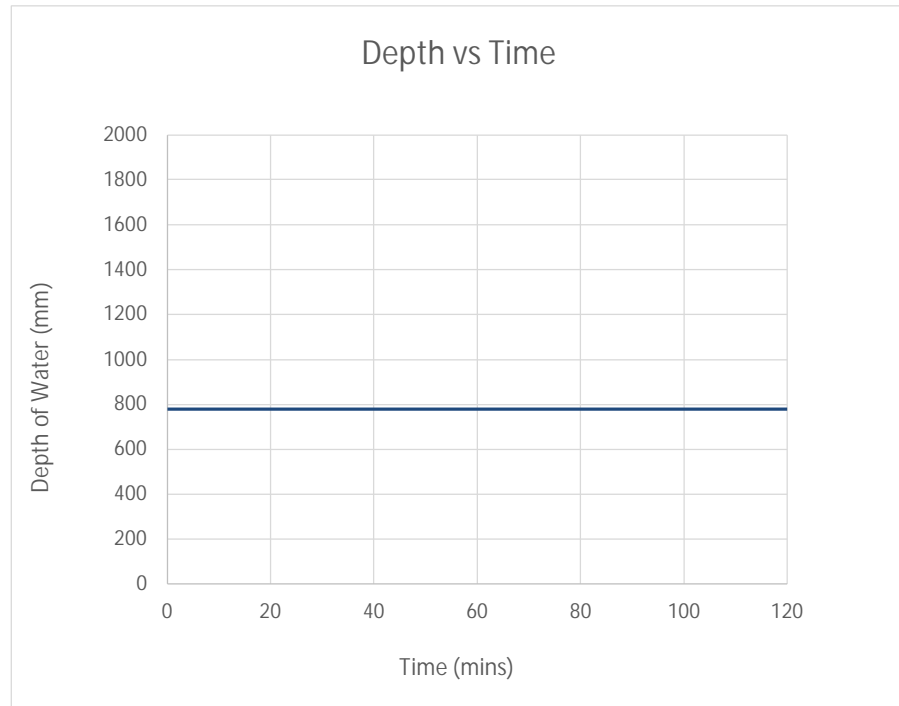
Pit Depth (mm):	2100
Pit Details:	Open with no stone filling
Groundwater Level:	NGW

Test Data

Time Elapsed (mins)	Depth to Water Level (mm)
0	1320
1	1320
2	1320
3	1320
5	1320
6	1320
10	1320
15	1320
20	1320
30	1320
40	1320
50	1320
60	1320
75	1320
90	1320
105	1320
120	1320

SOIL PERCOLATION TEST

POSITION: SuDS2
 TEST 2



Volume of Pit (m ³)	3.087
Void Ratio of Infill	1
Volume of Infill (m ³)	N/A
Volume of Water in Pit (m ³)	1.1466

Compliance Check:

Water Level at 75% effective depth (mm)	585
---	-----

Water Level at 25% effective depth (mm)	195
---	-----

Test not BRE 365 compliant with BRE 365 - insufficient time to drain past 25% effective depth

Soil Infiltration Rate Calculation

Water Level 1	780
Water Level 2	780
Time to Drain from Level 1 to Level 2 (mins)	120
Volume of water discharged (m ³)	0

Discharge Area (m ²)	5.838
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Soil Infiltration Rate (m/min)	0
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Soil Infiltration Rate (m/sec)	0.00E+00
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APPENDIX 11 - Generic Screening Values (Commercial End Use)



Proposed End Use	Unit	Commercial			Source
		1	2.5	6	
SOM	%				
Arsenic	mg/kg	640	640	640	SGVs
Beryllium	mg/kg	12	12	12	LQM S4ULs
Boron (water soluble)	mg/kg	240000	240000	240000	LQM S4ULs
Cadmium	mg/kg	230	230	230	SGVs
Chromium (Total)	mg/kg	8600	8600	8600	LQM S4ULs
Chromium (VI)	mg/kg	49	49	49	DEFRA C4SLs
Copper	mg/kg	68000	68000	68000	LQM S4ULs
Lead	mg/kg	2300	2300	2300	DEFRA C4SLs
Organic Mercury	mg/kg	26	26	26	LQM S4ULs
Nickel	mg/kg	1800	1800	1800	SGVs
Selenium	mg/kg	13000	13000	13000	SGVs
Vanadium	mg/kg	9000	9000	9000	LQM S4ULs
Zinc	mg/kg	730000	730000	730000	LQM S4ULs
Aliphatic EC					
Aliphatic EC 5 - 6	mg/kg	3200 (304) ^{sol}	5900 (558) ^{sol}	12000 (1150) ^{sol}	LQM S4ULs
Aliphatic EC 6 - 8	mg/kg	7800 (144) ^{sol}	17000 (322) ^{sol}	40000 (736) ^{sol}	LQM S4ULs
Aliphatic EC 8 - 10	mg/kg	2000 (78) ^{sol}	4800 (190) ^{sol}	11000 (451) ^{vap}	LQM S4ULs
Aliphatic EC 10 - 12	mg/kg	9700 (48) ^{sol}	23000 (118) ^{vap}	47000 (283) ^{vap}	LQM S4ULs
Aliphatic EC 12 - 16	mg/kg	59000 (24) ^{sol}	82000 (59) ^{sol}	90000 (142) ^{sol}	LQM S4ULs
Aliphatic EC 16 - 35	mg/kg	1600000 ^f	1700000 ^f	1800000 ^f	LQM S4ULs
Aliphatic EC 35 - 44	mg/kg	1600000 ^f	1700000 ^f	1800000 ^f	LQM S4ULs
Aromatic EC					
Aromatic EC 5 - 7	mg/kg	26000 (1220) ^{sol}	46000 (2260) ^{sol}	86000 (4710) ^{sol}	LQM S4ULs
Aromatic EC 7 - 8	mg/kg	56000 (869) ^{vap}	110000 (1920)	180000 (4360)	LQM S4ULs
Aromatic EC 8 - 10	mg/kg	3500 (613) ^{vap}	8100 (1500) ^{vap}	17000 (3580) ^{vap}	LQM S4ULs
Aromatic EC 10 - 12	mg/kg	16000 (364) ^{sol}	28000 (899) ^{sol}	34000 (2150) ^{sol}	LQM S4ULs
Aromatic EC 12 - 16	mg/kg	36000 (169) ^{sol}	37000	38000	LQM S4ULs
Aromatic EC 16 - 21	mg/kg	28000 ^f	28000 ^f	28000 ^f	LQM S4ULs
Aromatic EC 21 - 35	mg/kg	28000 ^f	28000 ^f	28000 ^f	LQM S4ULs
Aromatic EC 35 - 44	mg/kg	28000 ^f	28000 ^f	28000 ^f	LQM S4ULs
Other					
Benzene	mg/kg	95	95	95	SGVs
Toluene	mg/kg	4400	4400	4400	SGVs
Ethyl Benzene	mg/kg	2800	2800	2800	SGVs
Xylene - o	mg/kg	2600	2600	2600	SGVs
Xylene - m	mg/kg	3500	3500	3500	SGVs
Xylene - p	mg/kg	3200	3200	3200	SGVs
MTBE (methyl tert-butyl ether)	mg/kg	7900	13000	24000	CL:AIRE 2010
PAHs					
Acenaphthene	mg/kg	84000 (57) ^{sol}	97000 (141) ^{sol}	100000	LQM SAULs
Acenaphthylene	mg/kg	83000 (86.1) ^{sol}	97000 (212) ^{sol}	100000	LQM S4ULs
Anthracene	mg/kg	520000	540000	540000	LQM S4ULs
Benz(a)anthracene	mg/kg	170	170	180	LQM S4ULs
Benzo(a)pyrene	mg/kg	35	35	77*	DEFRA C4SL*/LQM S4ULs
Benzo(b)fluoranthene	mg/kg	44	44	45	LQM S4ULs
Benzo(ghi)perylene	mg/kg	3900	4000	4000	LQM S4ULs
Benzo(k)fluoranthene	mg/kg	1200	1200	1200	LQM S4ULs
Chrysene	mg/kg	350	350	350	LQM S4ULs
Dibenz(ah)anthracene	mg/kg	3.5	3.6	3.6	LQM S4ULs
Fluoranthene	mg/kg	23000	23000	23000	LQM S4ULs
Fluorene	mg/kg	63000 (30.9) ^{sol}	68000	71000	LQM S4ULs
Indeno(123-cd)pyrene	mg/kg	500	510	510	LQM S4ULs
Naphthalene	mg/kg	190 ^f (76.4) ^{sol}	460 ^f (183) ^{sol}	1100 ^f (432) ^{sol}	LQM S4ULs
Phenanthrene	mg/kg	22000	22000	23000	LQM S4ULs
Pyrene	mg/kg	54000	54000	54000	LQM S4ULs

Proposed End Use	Unit	Commercial			Source
		1	2.5	6	
SOM	%				
Phenol	mg/kg	3200	3200	3200	SGVs
Chlorophenols	mg/kg	3500	4000	4300	LQM S4ULs
Pentachlorophenol	mg/kg	400	400	400	LQM S4ULs
Carbon disulphide	mg/kg	11	22	47	LQM S4ULs
Hexachlorobutadiene	mg/kg	31	66	120	LQM S4ULs
1,1,1,2-Tetrachloroethane	mg/kg	270	550	1100	LQM S4ULs
1,1,1-Trichloroethane	mg/kg	660	1300	3000	LQM S4ULs
Trichloroethene	mg/kg	1.2	2.6	5.7	LQM S4ULs
Tetrachloromethane (Carbon	mg/kg	2.9	6.3	14	LQM S4ULs
1,2-Dichloroethane	mg/kg	0.67	0.97	1.7	LQM S4ULs
Chloroethene (Vinyl chloride)	mg/kg	0.059	0.077	0.12	LQM S4ULs
Trichloromethane (Chloroform)	mg/kg	99	170	350	LQM S4ULs
Tetrachloroethene	mg/kg	19	42	95	LQM S4ULs
Hexachlorobenzene	mg/kg	110 (0.2) ^{vap}	120	120	LQM S4ULs
Pentachlorobenzene	mg/kg	640 (43) ^{sol}	770 (107) ^{sol}	830	LQM S4ULs
1,2,4,5-Tetrachlorobenzene	mg/kg	42 (19.7) ^{sol}	72 (49.1) ^{sol}	96	LQM S4ULs
1,2,3,5-Tetrachlorobenzene	mg/kg	49 (39.4) ^{vap}	120 (98.1) ^{vap}	240 (235) ^{vap}	LQM S4ULs
1,2,3,4-Tetrachlorobenzene	mg/kg	1700 (122) ^{vap}	3080 (304) ^{vap}	4400 (728) ^{vap}	LQM S4ULs
1,3,5-Trichlorobenzene	mg/kg	23	55	130	LQM S4ULs
1,2,4-Trichlorobenzene	mg/kg	220	530	1300	LQM S4ULs
1,2,3-Trichlorobenzene	mg/kg	102	250	590	LQM S4ULs
1,4-dichlorobenzene	mg/kg	4400 ^f (224) ^{vap}	10000 ^f (540) ^{vap}	25000 ^f (1280) ^{vap}	LQM S4ULs
1,3-dichlorobenzene	mg/kg	30	73	170	LQM S4ULs
1,2-Dichlorobenzene	mg/kg	2000 (571) ^{sol}	4800 (1370) ^{sol}	11000 (3240) ^{sol}	LQM S4ULs
Chlorobenzene	mg/kg	56	130	290	LQM S4ULs
Gamma-Hexachlorocyclohexanes	mg/kg	67	69	70	LQM S4ULs
Beta-Hexachlorocyclohexane	mg/kg	65	65	65	LQM S4ULs
Alpha-Hexachlorocyclohexane	mg/kg	170	180	180	LQM S4ULs
Beta-Endosulfan	mg/kg	6300 (0.00007) ^{vap}	7800 (0.0002) ^{vap}	8700	LQM S4ULs
Alpha-Endosulfan	mg/kg	5600 (0.003) ^{vap}	7400 (0.007) ^{vap}	8400 (0.016) ^{vap}	LQM S4ULs
Dichlorvos	mg/kg	140	140	140	LQM S4ULs
Atrazine	mg/kg	9300	9400	9400	LQM S4ULs
Dieldrin	mg/kg	170	170	170	LQM S4ULs
Aldrin	mg/kg	170	170	170	LQM S4ULs
HMX	mg/kg	110000	110000	110000	LQM S4ULs
2,4,6-Trinitrotoulene	mg/kg	1000	1000	1000	LQM S4ULs
RDX	mg/kg	210000	210000	210000	LQM S4ULs

^{sol} S4UL exceeds the solubility saturation limit (which is presented in brackets)

^{vap} S4ULs presented exceeds the vapour saturation limit, which is presented in brackets

^f For naphthalene, the S4UL is based on a comparison of inhalation exposure with the TDI_{inhal} for localised affects

^f S4UL based on comparison of inhalation exposure with inhalation TDI for localised effects

^{dir} S4ULs based on a threshold protective direct skin contact with phenol (guideline in brackets based on health effects following long term exposure provided for



APPENDIX 12 - JIWG Receptor Decision Tool



Joint Industry Working Group

Asbestos in Soil and Construction & Demolition Materials

Project Reference	GRO-20287
Site Name	ALDI MAFON ROAD, PREHARRIS
Client	ALDI STORES LTD
Run by	REBECCA ROWLINSON
Date	20-Dec-24
Scenario details	

Decision Support Tool for CAR2012 Work Categories

Stage 1

Hazard Factors	Score	
Select ACM type (run model for each type to generate 'Worst Case' output)	Free dispersed fibres/fibre bundles	2
Extent of degradation of ACMs at outset of work	Disaggregated (dominated by loose fibrous material; extreme degradation in ACM and/or free asbestos fibres/fibre bundles)	4
Friability and degree of bonding by matrix (ACM matrix, not ground materials)	Friable ACM or ACM with fibres not linked in any matrix (free dispersed fibres/fibre bundles)	4
Distribution of Visible Asbestos Across Affected Area	No visible ACMs/fibre bundles	0
Amount of asbestos fibre in selected ACM/fibre type as % of host material	Very Low quantities - <0.001 to 0.01 %wt/wt	1
Sub-total		11

Note: the asbestos licensing regime is unaffected by the type of asbestos fibre present in ACMs

Hazard ranking: **Medium**

No warranty, expressed or implied, or reliance, is provided in relation to the use of this tool. It is contingent on users to satisfy themselves that the output from the tool is relevant and appropriate to the assessment being made.

Stage 2		Score
Exposure Factors		
Anticipated airborne fibre concentration - Control Limit or SALI?	<0.01 fibres/ml	1
Anticipated duration of exposure to asbestos	< 2 hours in a 7 day period for all persons involved (e.g. Short Duration Work)	1
Activity type and effect on deterioration of ACMs during work	Sampling, manual or mechanical (significant deterioration expected)	2
Best description of primary host material matrix (soil/made ground)	Ceramics - Concrete, Bricks, Mortar, Tiles, Clayware (crushed or not)	4
Respirable fibre index for ACM - RIVM report 711701034 (2003)	Negligible	0
Sub-total		8
Exposure ranking		Low
Combined hazard and exposure ranking	19	Low

Stage 3

Risk Assessment Outputs

Probable Licensing Status	Non-Licensed Work
RPE*	EN149 type FFP3 disposable
Dust Suppression**	Manual/localised dust suppression
Hygiene/Decontamination***	Localised and basic personal decontamination facilities

*Where RPE has to be worn continuously for long periods (e.g. more than 1-hour), then powered RPE may be necessary.

**Reduction in control measures possible if natural mitigation factors are present (e.g. raining, wet ground)

***Guide only: suitability of selected personal hygiene measures may be reviewed on a site/contamination-specific basis

Decision Support Tool for Receptor Risk Ranking

Stage 1 Hazard Identification		Score
Select ACM type (run model for each type to generate 'Worst Case' output)	Free dispersed fibres/fibre bundles	2
Extent of degradation of ACMs	Disaggregated (dominated by loose fibrous material; extreme degradation in ACM and/or free asbestos fibres/fibre bundles)	4
Friability and degree of bonding by matrix (ACM matrix, not ground materials)	Friable ACM or ACM with fibres not linked in any matrix (free dispersed fibres/fibre bundles)	4
Distribution of Visible Asbestos Across Affected Area	No visible ACMs/fibre bundles	0
Asbestos fibre type	Chrysotile alone	0
Sub-total		10
Hazard ranking		Low

No warranty, expressed or implied, or reliance, is provided in relation to the use of this tool.
It is contingent on users to satisfy themselves that the output from the tool is relevant and appropriate to the assessment being made.

Stage 2		Score
Emission Factors		
Amount of asbestos fibre in selected ACM/fibre type as % of host material	Trace quantities - <0.0001 to <0.001 %wt/wt	0
Respirable fibre index for ACM - RIVM report 711701034 (2003)	Negligible	0
Activity type and effect on deterioration of ACMs	High disturbance, significant deterioration expected	4
Best description of primary host material matrix	Ceramics - Concrete, Bricks, Mortar, Tiles, Clayware (crushed or not)	4
Sub-total		8
Exposure ranking		Low

Stage 3		Score
Pathway and Receptor Sensitivity		
Receptor category	Commercial/Industrial	No score required
Age of Receptor	Adult (>24 and <60)	1
Duration of exposure/site occupancy	<1 hour in any week (e.g. short duration work or equivalent infrequent exposure event when exposure aggregated over 1 yr)	0
Receptor ranking		1 Very Low
Combined hazard, exposure and receptor ranking		Low
Pathway: Distance of Receptor from Source	In or within 10m of area of disturbance	4
Pathway: Depth to impacted material	Material buried at shallow depth, potential to be disturbed by excavation	C
Pathway ranking		4C Low
Overall ranking		Very Low



Project Reference	GRO-20287
Site Name	ALDI MAFON ROAD, TREHARRIS
Client	
Run by	REBECCA ROWLINSON
Date	20-Dec-23
Reviewed by	
Characterisation of scenario being evaluated	
Interpretation of scenario ranking by DST	

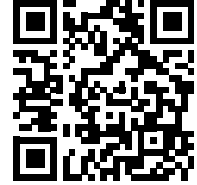


APPENDIX 13 - Waste Classification Report

Waste Classification Report

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

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



IFBLW-E13CF-T4BHX

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

Job name

EMT-23-19217-Batch-1-202312081502

Description/Comments

Project

GRO-20287

Site

Aldi Treharris

Classified by

Name: **Connor Hastings**
Date: **18 Dec 2023 14:58 GMT**
Telephone:
Company: **Groundtech Consulting Limited**
First Floor, Lloyd House, Orford Court,
Greenfold Way, WN7 3XJ

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

HazWasteOnline™ Certification:

-

Course

Hazardous Waste Classification

Date

-

Purpose of classification

4 - Classification of Waste Products

Address of the waste

Post Code

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

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

Description of the waste

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	CP01-08/11/2023-0.35m		Non Hazardous		3
2	CP02-08/11/2023-0.60m		Non Hazardous		5
3	CP03-09/11/2023-0.40m		Non Hazardous		7
4	CP04-09/11/2023-0.60m		Non Hazardous		9
5	WS01-08/11/2023-0.35m		Non Hazardous		11
6	WS02-08/11/2023-0.30m		Non Hazardous		13
7	WS03-08/11/2023-0.30m		Non Hazardous		17
8	WS04-08/11/2023-0.40m		Non Hazardous		21
9	WS05-08/11/2023-0.30m		Non Hazardous		23
10	WS06-08/11/2023-0.60m		Non Hazardous		25
11	WS07-08/11/2023-0.30m		Non Hazardous		27
12	WS10-09/11/2023-0.50m		Non Hazardous		29
13	WS11-09/11/2023-0.30m		Non Hazardous		33
14	WS12-09/11/2023-0.40m		Non Hazardous		35
15	WS13-09/11/2023-0.40m		Non Hazardous		39
16	WS14-09/11/2023-0.40m		Non Hazardous		41

Related documents

#	Name	Description
1	EMT -23-19217-Batch-1-202312081502.HWOL	Element .hwol file used to populate the Job


Report

Created by: Connor Hastings

Created date: 18 Dec 2023 14:58 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	43
Appendix B: Rationale for selection of metal species	46
Appendix C: Version	46

Classification of sample: CP01-08/11/2023-0.35m

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

Sample details

Sample name:	LoW Code:	
CP01-08/11/2023-0.35m	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
5% (dry weight correction)		



Hazard properties

None identified






Determinands

Moisture content: 5% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				2.7 mg/kg	1.534	3.944 mg/kg	0.000394 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	048-001-00-5									
3	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.361 mg/kg	0.000536 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	9 mg/kg		8.571 mg/kg	0.000857 %	✓	
	082-001-00-6									
5	mercury { mercury }				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6							
6	nickel { nickel diiodide }				6.7 mg/kg	5.324	33.974 mg/kg	0.0034 %	✓	
	028-029-00-4	236-666-6	13462-90-3							
7	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							
8	zinc { zinc oxide }				26 mg/kg	1.245	30.821 mg/kg	0.00308 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
10	pH				9.27 pH		9.27 pH	9.27 pH		
			PH							
11	boron { boron tribromide }				0.2 mg/kg	23.173	4.414 mg/kg	0.000441 %	✓	
	005-003-00-0	233-657-9	10294-33-4							
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
13	benzo[bk]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	 chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				15.2 mg/kg	1.462	21.158 mg/kg	0.00212 %	✓	
		215-160-9	1308-38-9							
Total:								0.0113 %		

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
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: CP02-08/11/2023-0.60m

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

Sample details

Sample name:	LoW Code:
CP02-08/11/2023-0.60m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.6% (dry weight correction)	



Hazard properties

None identified






Determinands

Moisture content: 1.6% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic pentoxide } 033-004-00-6 215-116-9 1303-28-2				1.2	mg/kg	1.534	1.812	mg/kg	0.000181 %	✓	
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	0.1	mg/kg		0.0984	mg/kg	0.00000984 %	✓	
3	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				5	mg/kg	1.126	5.541	mg/kg	0.000554 %	✓	
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	15	mg/kg		14.764	mg/kg	0.00148 %	✓	
5	mercury { mercury } 080-001-00-0 231-106-7 7439-97-6				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
6	nickel { nickel diiodide } 028-029-00-4 236-666-6 13462-90-3				3.7	mg/kg	5.324	19.39	mg/kg	0.00194 %	✓	
7	selenium { nickel selenate } 028-031-00-5 239-125-2 15060-62-5				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
8	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				14	mg/kg	1.245	17.152	mg/kg	0.00172 %	✓	
9	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 215-607-8 1333-82-0				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
10	pH PH				9.46	pH		9.46	pH	9.46 pH		
11	boron { boron tribromide } 005-003-00-0 233-657-9 10294-33-4				0.2	mg/kg	23.173	4.562	mg/kg	0.000456 %	✓	
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
13	benzo[bk]fluoranthene [1] 205-911-9 [2] 205-916-6 [1] 205-99-2 [2] 207-08-9				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	 chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				8.3 mg/kg	1.462	11.94 mg/kg	0.00119 %	✓	
		215-160-9	1308-38-9							
Total:								0.00795 %		

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
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: CP03-09/11/2023-0.40m

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

Sample details

Sample name:	LoW Code:	
CP03-09/11/2023-0.40m	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14% (dry weight correction)		

Hazard properties

None identified

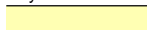




Determinands

Moisture content: 14% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				5.6 mg/kg	1.534	7.535 mg/kg	0.000753 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	048-001-00-5									
3	copper { dicopper oxide; copper (I) oxide }				41 mg/kg	1.126	40.492 mg/kg	0.00405 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	17 mg/kg		14.912 mg/kg	0.00149 %	✓	
	082-001-00-6									
5	mercury { mercury }				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6							
6	nickel { nickel diiodide }				28.5 mg/kg	5.324	133.108 mg/kg	0.0133 %	✓	
	028-029-00-4	236-666-6	13462-90-3							
7	selenium { nickel selenate }				1 mg/kg	2.554	2.24 mg/kg	0.000224 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
8	zinc { zinc oxide }				76 mg/kg	1.245	82.981 mg/kg	0.0083 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
10	pH				8.7 pH		8.7 pH	8.7 pH		
			PH							
11	boron { boron tribromide }				0.7 mg/kg	23.173	14.229 mg/kg	0.00142 %	✓	
	005-003-00-0	233-657-9	10294-33-4							
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	benzene				72 µg/kg		0.0632 mg/kg	0.00000632 %	✓	
	601-020-00-8	200-753-7	71-43-2							
15	toluene				38 µg/kg		0.0333 mg/kg	0.00000333 %	✓	
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
18	TPH (C6 to C40) petroleum group				<38 mg/kg		<38 mg/kg	<0.0038 %		<LOD
			TPH							
19	benzo[bk]fluoranthene				0.11 mg/kg		0.0965 mg/kg	0.00000965 %	✓	
		[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9							
20	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10.7 mg/kg	1.462	13.718 mg/kg	0.00137 %	✓	
		215-160-9	1308-38-9							
Total:								0.0349 %		

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
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because no free phase encountered

Hazard Statements hit:


Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

benzene: (conc.: 6.32e-06%)

toluene: (conc.: 3.33e-06%)

Classification of sample: CP04-09/11/2023-0.60m

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

Sample details

Sample name:	LoW Code:	
CP04-09/11/2023-0.60m	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
4.4% (dry weight correction)		

Hazard properties

None identified

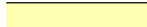




Determinands

Moisture content: 4.4% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				5.6 mg/kg	1.534	8.228 mg/kg	0.000823 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	048-001-00-5									
3	copper { dicopper oxide; copper (I) oxide }				37 mg/kg	1.126	39.902 mg/kg	0.00399 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	19 mg/kg		18.199 mg/kg	0.00182 %	✓	
	082-001-00-6									
5	mercury { mercury }				0.1 mg/kg		0.0958 mg/kg	0.00000958 %	✓	
	080-001-00-0	231-106-7	7439-97-6							
6	nickel { nickel diiodide }				29.5 mg/kg	5.324	150.447 mg/kg	0.015 %	✓	
	028-029-00-4	236-666-6	13462-90-3							
7	selenium { nickel selenate }				2 mg/kg	2.554	4.892 mg/kg	0.000489 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
8	zinc { zinc oxide }				79 mg/kg	1.245	94.188 mg/kg	0.00942 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
10	pH				9.33 pH		9.33 pH	9.33 pH		
			PH							
11	boron { boron tribromide }				0.6 mg/kg	23.173	13.318 mg/kg	0.00133 %	✓	
	005-003-00-0	233-657-9	10294-33-4							
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	benzene 601-020-00-8	200-753-7	71-43-2		76 µg/kg		0.0728 mg/kg	0.00000728 %	✓	
15	toluene 601-021-00-3	203-625-9	108-88-3		33 µg/kg		0.0316 mg/kg	0.00000316 %	✓	
16	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
17	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
18	TPH (C6 to C40) petroleum group		TPH		<38 mg/kg		<38 mg/kg	<0.0038 %		<LOD
19	benzo[bk]fluoranthene [1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9			0.11 mg/kg		0.105 mg/kg	0.0000105 %	✓	
20	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		13.4 mg/kg	1.462	18.759 mg/kg	0.00188 %	✓	
Total:								0.0388 %		

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
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because no free phase encountered

Hazard Statements hit:


Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

benzene: (conc.: 7.28e-06%)

toluene: (conc.: 3.16e-06%)

Classification of sample: WS01-08/11/2023-0.35m

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

Sample details

Sample name:	LoW Code:
WS01-08/11/2023-0.35m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
2.6% (dry weight correction)	



Hazard properties

None identified






Determinands

Moisture content: 2.6% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic pentoxide } 033-004-00-6 215-116-9 1303-28-2				5.1	mg/kg	1.534	7.625	mg/kg	0.000762 %	✓	
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	0.3	mg/kg		0.292	mg/kg	0.0000292 %	✓	
3	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				6	mg/kg	1.126	6.584	mg/kg	0.000658 %	✓	
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	16	mg/kg		15.595	mg/kg	0.00156 %	✓	
5	mercury { mercury } 080-001-00-0 231-106-7 7439-97-6				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
6	nickel { nickel diiodide } 028-029-00-4 236-666-6 13462-90-3				3.8	mg/kg	5.324	19.72	mg/kg	0.00197 %	✓	
7	selenium { nickel selenate } 028-031-00-5 239-125-2 15060-62-5				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
8	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				43	mg/kg	1.245	52.166	mg/kg	0.00522 %	✓	
9	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 215-607-8 1333-82-0				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
10	pH PH				7.89	pH		7.89	pH	7.89 pH		
11	boron { boron tribromide } 005-003-00-0 233-657-9 10294-33-4				0.1	mg/kg	23.173	2.259	mg/kg	0.000226 %	✓	
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
13	benzo[bk]fluoranthene [1] 205-911-9 [2] 205-916-6 [1] 205-99-2 [2] 207-08-9				0.08	mg/kg		0.078	mg/kg	0.0000078 %	✓	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	 chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				13.8 mg/kg	1.462	19.658 mg/kg	0.00197 %	✓	
		215-160-9	1308-38-9							
Total:								0.0128 %		

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
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS02-08/11/2023-0.30m

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

Sample details

Sample name:	LoW Code:
WS02-08/11/2023-0.30m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:
3.3% (dry weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 3.3% Dry Weight Moisture Correction applied (MC)






#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				3.3 mg/kg	1.534	4.9 mg/kg	0.00049 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	048-001-00-5									
3	copper { dicopper oxide; copper (I) oxide }				3 mg/kg	1.126	3.27 mg/kg	0.000327 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	11 mg/kg		10.649 mg/kg	0.00106 %	✓	
	082-001-00-6									
5	mercury { mercury }				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6							
6	nickel { nickel diiodide }				6 mg/kg	5.324	30.925 mg/kg	0.00309 %	✓	
	028-029-00-4	236-666-6	13462-90-3							
7	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							
8	zinc { zinc oxide }				14 mg/kg	1.245	16.869 mg/kg	0.00169 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3 mg/kg	1.923	<0.577 mg/kg	<0.000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
10	pH				9.41 pH		9.41 pH	9.41 pH		
			PH							
11	boron { boron tribromide }				<0.1 mg/kg	23.173	<2.317 mg/kg	<0.000232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4							
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	benzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
18	TPH (C6 to C40) petroleum group				48 mg/kg		46.467 mg/kg	0.00465 %	✓	
			TPH							
19	dichlorodifluoromethane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-893-9	75-71-8							
20	chloromethane; methyl chloride				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
21	bromomethane; methylbromide				<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
22	chloroethane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
23	trichlorofluoromethane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-892-3	75-69-4							
24	1,1-dichloroethylene; vinylidene chloride				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
25	dichloromethane; methylene chloride				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
26	2,2-dichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		209-832-0	594-20-7							
27	bromochloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		200-826-3	74-97-5							
28	chloroform; trichloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
29	1,1,1-trichloroethane; methyl chloroform				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
30	1,1-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
31	carbon tetrachloride; tetrachloromethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
32	trichloroethylene; trichloroethene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
33	1,2-dichloropropane; propylene dichloride				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
34	dibromomethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
35	bromodichloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		200-856-7	75-27-4							
36	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
37	trans-1,3-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		431-460-4	10061-02-6							
38	1,1,2-trichloroethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
39	tetrachloroethylene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
40	1,3-dichloropropane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		205-531-3	142-28-9							
41	dibromochloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		204-704-0	124-48-1							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
42	1,2-dibromoethane 602-010-00-6 203-444-5 106-93-4				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
43	chlorobenzene 602-033-00-1 203-628-5 108-90-7				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
44	1,1,1,2-tetrachloroethane 211-135-1 630-20-6				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
45	bromoform; tribromomethane 602-007-00-X 200-854-6 75-25-2				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
46	cumene 601-024-00-X 202-704-5 98-82-8				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
47	1,1,2,2-tetrachloroethane 602-015-00-3 201-197-8 79-34-5				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
48	bromobenzene 602-060-00-9 203-623-8 108-86-1				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
49	1,2,3-trichloropropane 602-062-00-X 202-486-1 96-18-4				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
50	mesitylene; 1,3,5-trimethylbenzene 601-025-00-5 203-604-4 108-67-8				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
51	tert-butylbenzene 202-632-4 98-06-6				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
52	1,2,4-trimethylbenzene 601-043-00-3 202-436-9 95-63-6				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
53	sec-butylbenzene 205-227-0 135-98-8				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
54	4-isopropyltoluene 202-796-7 99-87-6				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
55	1,3-dichlorobenzene 602-067-00-7 208-792-1 541-73-1				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 203-400-5 106-46-7				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
57	n-butylbenzene 203-209-7 104-51-8				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 202-425-9 95-50-1				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
59	1,2-dibromo-3-chloropropane 602-021-00-6 202-479-3 96-12-8				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
60	1,2,4-trichlorobenzene 602-087-00-6 204-428-0 120-82-1				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
61	hexachlorobutadiene 201-765-5 87-68-3				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
62	1,2,3-trichlorobenzene 201-757-1 87-61-6				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
63	vinyl chloride; chloroethylene 602-023-00-7 200-831-0 75-01-4				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
64	styrene 601-026-00-0 202-851-5 100-42-5				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
65	benzo[bk]fluoranthene [1] 205-911-9 [2] 205-916-6 [1] 205-99-2 [2] 207-08-9				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
66	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3] 602-026-00-3 208-750-2 [1] 540-59-0 [1] 205-859-7 [2] 156-59-2 [2] 205-860-2 [3] 156-60-5 [3]				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
67	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5 107-06-2, 75-34-3				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
68	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4] 602-040-00-X 202-424-3 [1] 95-49-8 [1] 203-580-5 [2] 108-41-8 [2]				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
		203-397-0 [3] 246-698-2 [4]	106-43-4 [3] 25168-05-2 [4]							
69	 chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		7.2 mg/kg	1.462	10.187 mg/kg	0.00102 %	✓	
Total:								0.013 %		

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
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because no free phase encountered


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00465%)

Classification of sample: WS03-08/11/2023-0.30m

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

Sample details

Sample name:	LoW Code:
WS03-08/11/2023-0.30m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)






#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic pentoxide }				2.4	mg/kg	1.534	3.681	mg/kg	0.000368 %	✓	
	033-004-00-6	215-116-9	1303-28-2									
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	60.9	mg/kg		60.9	mg/kg	0.00609 %	✓	
	048-001-00-5											
3	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	56	mg/kg		56	mg/kg	0.0056 %	✓	
	082-001-00-6											
5	mercury { mercury }				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6									
6	nickel { nickel diiodide }				3.1	mg/kg	5.324	16.505	mg/kg	0.00165 %	✓	
	028-029-00-4	236-666-6	13462-90-3									
7	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									
8	zinc { zinc oxide }				1253	mg/kg	1.245	1559.627	mg/kg	0.156 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
10	pH				9.3	pH		9.3	pH	9.3 pH		
11	boron { boron tribromide }				<0.1	mg/kg	23.173	<2.317	mg/kg	<0.000232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
	006-007-00-5											
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	benzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
18	TPH (C6 to C40) petroleum group				41 mg/kg		41 mg/kg	0.0041 %	✓	
			TPH							
19	dichlorodifluoromethane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-893-9	75-71-8							
20	chloromethane; methyl chloride				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
21	bromomethane; methylbromide				<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
22	chloroethane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
23	trichlorofluoromethane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-892-3	75-69-4							
24	1,1-dichloroethylene; vinylidene chloride				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
25	dichloromethane; methylene chloride				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
26	2,2-dichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		209-832-0	594-20-7							
27	bromochloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		200-826-3	74-97-5							
28	chloroform; trichloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
29	1,1,1-trichloroethane; methyl chloroform				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
30	1,1-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
31	carbon tetrachloride; tetrachloromethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
32	trichloroethylene; trichloroethene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
33	1,2-dichloropropane; propylene dichloride				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
34	dibromomethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
35	bromodichloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		200-856-7	75-27-4							
36	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
37	trans-1,3-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		431-460-4	10061-02-6							
38	1,1,2-trichloroethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
39	tetrachloroethylene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
40	1,3-dichloropropane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		205-531-3	142-28-9							
41	dibromochloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		204-704-0	124-48-1							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
42	1,2-dibromoethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
43	chlorobenzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
44	1,1,1,2-tetrachloroethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		211-135-1	630-20-6							
45	bromoform; tribromomethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
46	cumene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-024-00-X	202-704-5	98-82-8							
47	1,1,2,2-tetrachloroethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-015-00-3	201-197-8	79-34-5							
48	bromobenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
49	1,2,3-trichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
50	mesitylene; 1,3,5-trimethylbenzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
51	tert-butylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		202-632-4	98-06-6							
52	1,2,4-trimethylbenzene				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
53	sec-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		205-227-0	135-98-8							
54	4-isopropyltoluene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		202-796-7	99-87-6							
55	1,3-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-067-00-7	208-792-1	541-73-1							
56	1,4-dichlorobenzene; p-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-035-00-2	203-400-5	106-46-7							
57	n-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		203-209-7	104-51-8							
58	1,2-dichlorobenzene; o-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
59	1,2-dibromo-3-chloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
60	1,2,4-trichlorobenzene				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
61	hexachlorobutadiene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		201-765-5	87-68-3							
62	1,2,3-trichlorobenzene				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		201-757-1	87-61-6							
63	vinyl chloride; chloroethylene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-023-00-7	200-831-0	75-01-4							
64	styrene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
65	benzo[bk]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9							
66	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
67	1,1-dichloroethane and 1,2-dichloroethane (combined)				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3							
68	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-040-00-X	202-424-3 [1] 203-580-5 [2]	95-49-8 [1] 108-41-8 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
		203-397-0 [3] 246-698-2 [4]	106-43-4 [3] 25168-05-2 [4]							
69	 chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10.6 mg/kg	1.462	15.492 mg/kg	0.00155 %	✓	
		215-160-9	1308-38-9							
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)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because no free phase encountered


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0041%)

Classification of sample: WS04-08/11/2023-0.40m

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

Sample details

Sample name:	LoW Code:
WS04-08/11/2023-0.40m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:
2.3% (dry weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)



Hazard properties

None identified






Determinands

Moisture content: 2.3% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				1.6 mg/kg	1.534	2.399 mg/kg	0.00024 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	048-001-00-5									
3	copper { dicopper oxide; copper (I) oxide }				3 mg/kg	1.126	3.302 mg/kg	0.00033 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
	082-001-00-6									
5	mercury { mercury }				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6							
6	nickel { nickel diiodide }				4 mg/kg	5.324	20.818 mg/kg	0.00208 %	✓	
	028-029-00-4	236-666-6	13462-90-3							
7	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							
8	zinc { zinc oxide }				15 mg/kg	1.245	18.251 mg/kg	0.00183 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3 mg/kg	1.923	<0.577 mg/kg	<0.000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
10	pH				9.27 pH		9.27 pH	9.27 pH		
			PH							
11	boron { boron tribromide }				0.2 mg/kg	23.173	4.53 mg/kg	0.000453 %	✓	
	005-003-00-0	233-657-9	10294-33-4							
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
13	benzo[bk]fluoranthene				0.08 mg/kg		0.0782 mg/kg	0.0000782 %	✓	
		[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	 chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				10.6 mg/kg	1.462	15.144 mg/kg	0.00151 %	✓	
		215-160-9	1308-38-9							
Total:								0.00738 %		

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
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS05-08/11/2023-0.30m

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

Sample details

Sample name:	LoW Code:
WS05-08/11/2023-0.30m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
3.6% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 3.6% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic pentoxide }				1	mg/kg	1.534	1.481	mg/kg	0.000148 %	✓	
	033-004-00-6	215-116-9	1303-28-2									
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	048-001-00-5											
3	copper { dicopper oxide; copper (I) oxide }				2	mg/kg	1.126	2.174	mg/kg	0.000217 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	15	mg/kg		14.479	mg/kg	0.00145 %	✓	
	082-001-00-6											
5	mercury { mercury }				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6									
6	nickel { nickel diiodide }				2.9	mg/kg	5.324	14.904	mg/kg	0.00149 %	✓	
	028-029-00-4	236-666-6	13462-90-3									
7	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									
8	zinc { zinc oxide }				22	mg/kg	1.245	26.432	mg/kg	0.00264 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
10	boron { boron tribromide }				0.1	mg/kg	23.173	2.237	mg/kg	0.000224 %	✓	
	005-003-00-0	233-657-9	10294-33-4									
11	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
	006-007-00-5											
12	benzo[bk]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9									
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10.9	mg/kg	1.462	15.377	mg/kg	0.00154 %	✓	
		215-160-9	1308-38-9									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
Total:								0.00814 %		

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
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS06-08/11/2023-0.60m

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

Sample details

Sample name:	LoW Code:
WS06-08/11/2023-0.60m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)



Hazard properties

None identified






Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic pentoxide } 033-004-00-6 215-116-9 1303-28-2				1.7	mg/kg	1.534	2.608	mg/kg	0.000261 %	✓	
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
3	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				2	mg/kg	1.126	2.252	mg/kg	0.000225 %	✓	
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
5	mercury { mercury } 080-001-00-0 231-106-7 7439-97-6				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
6	nickel { nickel diiodide } 028-029-00-4 236-666-6 13462-90-3				3.2	mg/kg	5.324	17.038	mg/kg	0.0017 %	✓	
7	selenium { nickel selenate } 028-031-00-5 239-125-2 15060-62-5				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
8	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				13	mg/kg	1.245	16.181	mg/kg	0.00162 %	✓	
9	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 215-607-8 1333-82-0				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
10	pH PH				9.5	pH		9.5	pH	9.5 pH		
11	boron { boron tribromide } 005-003-00-0 233-657-9 10294-33-4				0.1	mg/kg	23.173	2.317	mg/kg	0.000232 %	✓	
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
13	benzo[bk]fluoranthene [1] 205-911-9 [2] 205-916-6 [1] 205-99-2 [2] 207-08-9				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	 chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				11.6 mg/kg	1.462	16.954 mg/kg	0.0017 %	✓	
		215-160-9	1308-38-9							
Total:								0.00667 %		

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
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS07-08/11/2023-0.30m

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

Sample details

Sample name:	LoW Code:
WS07-08/11/2023-0.30m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.4% (dry weight correction)	



Hazard properties

None identified






Determinands

Moisture content: 1.4% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				2.6 mg/kg	1.534	3.933 mg/kg	0.000393 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	048-001-00-5									
3	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.552 mg/kg	0.000555 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	7 mg/kg		6.903 mg/kg	0.00069 %	✓	
	082-001-00-6									
5	mercury { mercury }				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6							
6	nickel { nickel diiodide }				7.6 mg/kg	5.324	39.906 mg/kg	0.00399 %	✓	
	028-029-00-4	236-666-6	13462-90-3							
7	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							
8	zinc { zinc oxide }				25 mg/kg	1.245	30.688 mg/kg	0.00307 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
10	pH				8.49 pH		8.49 pH	8.49 pH		
			PH							
11	boron { boron tribromide }				0.2 mg/kg	23.173	4.571 mg/kg	0.000457 %	✓	
	005-003-00-0	233-657-9	10294-33-4							
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
13	benzo[bk]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	 chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				14.8 mg/kg	1.462	21.332 mg/kg	0.00213 %	✓	
		215-160-9	1308-38-9							
Total:								0.0117 %		

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
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS10-09/11/2023-0.50m

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

Sample details

Sample name:	LoW Code:
WS10-09/11/2023-0.50m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
4.7% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 4.7% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				5 mg/kg	1.534	7.325 mg/kg	0.000733 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	048-001-00-5									
3	copper { dicopper oxide; copper (I) oxide }				45 mg/kg	1.126	48.391 mg/kg	0.00484 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	30 mg/kg		28.653 mg/kg	0.00287 %	✓	
	082-001-00-6									
5	mercury { mercury }				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6							
6	nickel { nickel diiodide }				43.7 mg/kg	5.324	222.227 mg/kg	0.0222 %	✓	
	028-029-00-4	236-666-6	13462-90-3							
7	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							
8	zinc { zinc oxide }				127 mg/kg	1.245	150.982 mg/kg	0.0151 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
9	pH				8.8 pH		8.8 pH	8.8 pH		
			PH							
10	boron { boron tribromide }				0.5 mg/kg	23.173	11.066 mg/kg	0.00111 %	✓	
	005-003-00-0	233-657-9	10294-33-4							
11	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				199 µg/kg		0.19 mg/kg	0.000019 %	✓	
	601-020-00-8	200-753-7	71-43-2							
14	toluene				272 µg/kg		0.26 mg/kg	0.000026 %	✓	
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	ethylbenzene 601-023-00-4	202-849-4	100-41-4		18 µg/kg		0.0172 mg/kg	0.00000172 %	✓	
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.026 mg/kg		0.0248 mg/kg	0.00000248 %	✓	
17	TPH (C6 to C40) petroleum group TPH				271 mg/kg		258.835 mg/kg	0.0259 %	✓	
18	dichlorodifluoromethane 200-893-9	75-71-8			<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
19	chloromethane; methyl chloride 602-001-00-7	200-817-4	74-87-3		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
20	bromomethane; methylbromide 602-002-00-2	200-813-2	74-83-9		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	chloroethane 602-009-00-0	200-830-5	75-00-3		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	trichlorofluoromethane 200-892-3	75-69-4			<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	1,1-dichloroethylene; vinylidene chloride 602-025-00-8	200-864-0	75-35-4		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	dichloromethane; methylene chloride 602-004-00-3	200-838-9	75-09-2		<35 µg/kg		<0.035 mg/kg	<0.0000035 %		<LOD
25	2,2-dichloropropane 209-832-0	594-20-7			<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
26	bromochloromethane 200-826-3	74-97-5			<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	chloroform; trichloromethane 602-006-00-4	200-663-8	67-66-3		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
28	1,1,1-trichloroethane; methyl chloroform 602-013-00-2	200-756-3	71-55-6		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
29	1,1-dichloropropene 602-031-00-0	209-253-3	563-58-6		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
31	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
32	1,2-dichloropropane; propylene dichloride 602-020-00-0	201-152-2	78-87-5		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33	dibromomethane 602-003-00-8	200-824-2	74-95-3		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
34	bromodichloromethane 200-856-7	75-27-4			<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2] 602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
36	trans-1,3-dichloropropene 431-460-4	10061-02-6			<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
37	1,1,2-trichloroethane 602-014-00-8	201-166-9	79-00-5		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
38	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
39	1,3-dichloropropane 205-531-3	142-28-9			<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
40	dibromochloromethane 204-704-0	124-48-1			<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
41	1,2-dibromoethane 602-010-00-6	203-444-5	106-93-4		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
42	chlorobenzene 602-033-00-1	203-628-5	108-90-7		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
43	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
44	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
45	cumene	601-024-00-X	202-704-5	98-82-8	<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
46	1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5	<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
47	bromobenzene	602-060-00-9	203-623-8	108-86-1	<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
48	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
49	mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8	<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
50	tert-butylbenzene		202-632-4	98-06-6	<25 µg/kg		<0.025 mg/kg	<0.0000025 %		<LOD
51	1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6	<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
52	sec-butylbenzene		205-227-0	135-98-8	<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
53	4-isopropyltoluene		202-796-7	99-87-6	<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
54	1,3-dichlorobenzene	602-067-00-7	208-792-1	541-73-1	<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
55	1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7	<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
56	n-butylbenzene		203-209-7	104-51-8	<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
57	1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1	<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
58	1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8	<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
59	1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1	<35 µg/kg		<0.035 mg/kg	<0.0000035 %		<LOD
60	hexachlorobutadiene		201-765-5	87-68-3	<20 µg/kg		<0.02 mg/kg	<0.000002 %		<LOD
61	1,2,3-trichlorobenzene		201-757-1	87-61-6	<35 µg/kg		<0.035 mg/kg	<0.0000035 %		<LOD
62	vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4	<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
63	styrene	601-026-00-0	202-851-5	100-42-5	<15 µg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
64	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	12.7 mg/kg	1.462	17.729 mg/kg	0.00177 %	✓	
65	benzo[bk]fluoranthene	[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9		5.58 mg/kg		5.33 mg/kg	0.000533 %	✓	
66	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]	<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
67	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3	<35 µg/kg		<0.035 mg/kg	<0.0000035 %		<LOD
68	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]	<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
Total:								0.0756 %		

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
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because no free phase encountered

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:


- benzene: (conc.: 0.00001%)
- toluene: (conc.: 0.00002%)
- ethylbenzene: (conc.: 1.72e-06%)

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

Because of determinands:

- xylene: (conc.: 2.48e-06%)
- TPH (C6 to C40) petroleum group: (conc.: 0.0259%)

Classification of sample: WS11-09/11/2023-0.30m

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

Sample details

Sample name:	LoW Code:
WS11-09/11/2023-0.30m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
32.6% (dry weight correction)	



Hazard properties

None identified






Determinands

Moisture content: 32.6% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic pentoxide } 033-004-00-6 215-116-9 1303-28-2				8.7	mg/kg	1.534	10.064	mg/kg	0.00101 %	✓	
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	0.2	mg/kg		0.151	mg/kg	0.0000151 %	✓	
3	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				21	mg/kg	1.126	17.831	mg/kg	0.00178 %	✓	
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	46	mg/kg		34.691	mg/kg	0.00347 %	✓	
5	mercury { mercury } 080-001-00-0 231-106-7 7439-97-6				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
6	nickel { nickel diiodide } 028-029-00-4 236-666-6 13462-90-3				11.8	mg/kg	5.324	47.381	mg/kg	0.00474 %	✓	
7	selenium { nickel selenate } 028-031-00-5 239-125-2 15060-62-5				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
8	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				116	mg/kg	1.245	108.889	mg/kg	0.0109 %	✓	
9	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 215-607-8 1333-82-0				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
10	pH PH				8.09	pH		8.09	pH	8.09 pH		
11	boron { boron tribromide } 005-003-00-0 233-657-9 10294-33-4				0.4	mg/kg	23.173	6.99	mg/kg	0.000699 %	✓	
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
13	benzo[bk]fluoranthene [1] 205-911-9 [2] 205-916-6 [1] 205-99-2 [2] 207-08-9				14.44	mg/kg		10.89	mg/kg	0.00109 %	✓	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	 chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				34.3 mg/kg	1.462	37.806 mg/kg	0.00378 %	✓	
		215-160-9	1308-38-9							
Total:								0.0279 %		

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
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS12-09/11/2023-0.40m

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

Sample details

Sample name:	LoW Code:
WS12-09/11/2023-0.40m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
3.1% (dry weight correction)	

Hazard properties

None identified


Determinands

Moisture content: 3.1% Dry Weight Moisture Correction applied (MC)



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				4.6 mg/kg	1.534	6.844 mg/kg	0.000684 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	11.9 mg/kg		11.542 mg/kg	0.00115 %	✓	
	048-001-00-5									
3	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.126	10.92 mg/kg	0.00109 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	53 mg/kg		51.406 mg/kg	0.00514 %	✓	
	082-001-00-6									
5	mercury { mercury }				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6							
6	nickel { nickel diiodide }				3.6 mg/kg	5.324	18.591 mg/kg	0.00186 %	✓	
	028-029-00-4	236-666-6	13462-90-3							
7	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							
8	zinc { zinc oxide }				240 mg/kg	1.245	289.749 mg/kg	0.029 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
10	pH				9.59 pH		9.59 pH	9.59 pH		
			PH							
11	boron { boron tribromide }				0.1 mg/kg	23.173	2.248 mg/kg	0.000225 %	✓	
	005-003-00-0	233-657-9	10294-33-4							
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	benzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
18	TPH (C6 to C40) petroleum group				709 mg/kg		687.682 mg/kg	0.0688 %	✓	
			TPH							
19	dichlorodifluoromethane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-893-9	75-71-8							
20	chloromethane; methyl chloride				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
21	bromomethane; methylbromide				<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
22	chloroethane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
23	trichlorofluoromethane				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-892-3	75-69-4							
24	1,1-dichloroethylene; vinylidene chloride				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
25	dichloromethane; methylene chloride				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
26	2,2-dichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		209-832-0	594-20-7							
27	bromochloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		200-826-3	74-97-5							
28	chloroform; trichloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
29	1,1,1-trichloroethane; methyl chloroform				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
30	1,1-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
31	carbon tetrachloride; tetrachloromethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
32	trichloroethylene; trichloroethene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
33	1,2-dichloropropane; propylene dichloride				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
34	dibromomethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
35	bromodichloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		200-856-7	75-27-4							
36	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
37	trans-1,3-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		431-460-4	10061-02-6							
38	1,1,2-trichloroethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
39	tetrachloroethylene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
40	1,3-dichloropropane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		205-531-3	142-28-9							
41	dibromochloromethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		204-704-0	124-48-1							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
42	1,2-dibromoethane 602-010-00-6 203-444-5 106-93-4				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
43	chlorobenzene 602-033-00-1 203-628-5 108-90-7				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
44	1,1,1,2-tetrachloroethane 211-135-1 630-20-6				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
45	bromoform; tribromomethane 602-007-00-X 200-854-6 75-25-2				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
46	cumene 601-024-00-X 202-704-5 98-82-8				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
47	1,1,2,2-tetrachloroethane 602-015-00-3 201-197-8 79-34-5				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
48	bromobenzene 602-060-00-9 203-623-8 108-86-1				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
49	1,2,3-trichloropropane 602-062-00-X 202-486-1 96-18-4				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
50	mesitylene; 1,3,5-trimethylbenzene 601-025-00-5 203-604-4 108-67-8				13 µg/kg		0.0126 mg/kg	0.00000126 %	✓	
51	tert-butylbenzene 202-632-4 98-06-6				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
52	1,2,4-trimethylbenzene 601-043-00-3 202-436-9 95-63-6				7 µg/kg		0.0067 mg/kg	0.000000679 %	✓	
53	sec-butylbenzene 205-227-0 135-98-8				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
54	4-isopropyltoluene 202-796-7 99-87-6				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
55	1,3-dichlorobenzene 602-067-00-7 208-792-1 541-73-1				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 203-400-5 106-46-7				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
57	n-butylbenzene 203-209-7 104-51-8				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 202-425-9 95-50-1				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
59	1,2-dibromo-3-chloropropane 602-021-00-6 202-479-3 96-12-8				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
60	1,2,4-trichlorobenzene 602-087-00-6 204-428-0 120-82-1				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
61	hexachlorobutadiene 201-765-5 87-68-3				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
62	1,2,3-trichlorobenzene 201-757-1 87-61-6				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
63	vinyl chloride; chloroethylene 602-023-00-7 200-831-0 75-01-4				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
64	styrene 601-026-00-0 202-851-5 100-42-5				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
65	benzo[bk]fluoranthene [1] 205-911-9 [2] 205-916-6 [1] 205-99-2 [2] 207-08-9				0.31 mg/kg		0.301 mg/kg	0.0000301 %	✓	
66	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3] 602-026-00-3 208-750-2 [1] 540-59-0 [1] 205-859-7 [2] 156-59-2 [2] 205-860-2 [3] 156-60-5 [3]				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
67	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5 107-06-2, 75-34-3				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
68	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4] 602-040-00-X 202-424-3 [1] 95-49-8 [1] 203-580-5 [2] 108-41-8 [2]				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
		203-397-0 [3] 246-698-2 [4]	106-43-4 [3] 25168-05-2 [4]							
69	 chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		12.4 mg/kg	1.462	17.578 mg/kg	0.00176 %	✓	
Total:								0.11 %		

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
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because no free phase encountered


Hazard Statements hit:

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

Because of determinands:

- TPH (C6 to C40) petroleum group: (conc.: 0.0688%)
- mesitylene; 1,3,5-trimethylbenzene: (conc.: 1.26e-06%)
- 1,2,4-trimethylbenzene: (conc.: 6.79e-07%)

Classification of sample: WS13-09/11/2023-0.40m

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

Sample details

Sample name:	LoW Code:
WS13-09/11/2023-0.40m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:
20.9% (dry weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

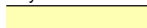




Determinands

Moisture content: 20.9% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				5.3 mg/kg	1.534	6.724 mg/kg	0.000672 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	048-001-00-5									
3	copper { dicopper oxide; copper (I) oxide }				42 mg/kg	1.126	39.113 mg/kg	0.00391 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	23 mg/kg		19.024 mg/kg	0.0019 %	✓	
	082-001-00-6									
5	mercury { mercury }				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6							
6	nickel { nickel diiodide }				30.4 mg/kg	5.324	133.878 mg/kg	0.0134 %	✓	
	028-029-00-4	236-666-6	13462-90-3							
7	selenium { nickel selenate }				1 mg/kg	2.554	2.112 mg/kg	0.000211 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
8	zinc { zinc oxide }				109 mg/kg	1.245	112.22 mg/kg	0.0112 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
10	pH				8.53 pH		8.53 pH	8.53 pH		
			PH							
11	boron { boron tribromide }				0.5 mg/kg	23.173	9.584 mg/kg	0.000958 %	✓	
	005-003-00-0	233-657-9	10294-33-4							
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	benzene 601-020-00-8	200-753-7	71-43-2		45 µg/kg		0.0372 mg/kg	0.00000372 %	✓	
15	toluene 601-021-00-3	203-625-9	108-88-3		25 µg/kg		0.0207 mg/kg	0.00000207 %	✓	
16	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
17	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
18	TPH (C6 to C40) petroleum group		TPH		<38 mg/kg		<38 mg/kg	<0.0038 %		<LOD
19	benzo[bk]fluoranthene [1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9			0.33 mg/kg		0.273 mg/kg	0.0000273 %	✓	
20	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		9.5 mg/kg	1.462	11.485 mg/kg	0.00115 %	✓	
Total:								0.0374 %		

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
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because no free phase encountered

Hazard Statements hit:


Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

benzene: (conc.: 3.72e-06%)

toluene: (conc.: 2.07e-06%)

Classification of sample: WS14-09/11/2023-0.40m

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

Sample details

Sample name:	LoW Code:
WS14-09/11/2023-0.40m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
10% (dry weight correction)	

Hazard properties

None identified

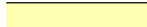




Determinands

Moisture content: 10% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				6 mg/kg	1.534	8.367 mg/kg	0.000837 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	048-001-00-5									
3	copper { dicopper oxide; copper (I) oxide }				48 mg/kg	1.126	49.13 mg/kg	0.00491 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
4	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	22 mg/kg		20 mg/kg	0.002 %	✓	
	082-001-00-6									
5	mercury { mercury }				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	080-001-00-0	231-106-7	7439-97-6							
6	nickel { nickel diiodide }				31 mg/kg	5.324	150.049 mg/kg	0.015 %	✓	
	028-029-00-4	236-666-6	13462-90-3							
7	selenium { nickel selenate }				2 mg/kg	2.554	4.643 mg/kg	0.000464 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
8	zinc { zinc oxide }				138 mg/kg	1.245	156.155 mg/kg	0.0156 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
10	pH				8.32 pH		8.32 pH	8.32 pH		
			PH							
11	boron { boron tribromide }				0.5 mg/kg	23.173	10.533 mg/kg	0.00105 %	✓	
	005-003-00-0	233-657-9	10294-33-4							
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	benzene				31 µg/kg		0.0282 mg/kg	0.00000282 %	✓	
	601-020-00-8	200-753-7	71-43-2							
15	toluene				15 µg/kg		0.0136 mg/kg	0.00000136 %	✓	
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
18	TPH (C6 to C40) petroleum group				<38 mg/kg		<38 mg/kg	<0.0038 %		<LOD
			TPH							
19	benzo[bk]fluoranthene				0.23 mg/kg		0.209 mg/kg	0.0000209 %	✓	
		[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9							
20	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7.7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
Total:								0.0449 %		

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
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because no free phase encountered

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

benzene: (conc.: 2.82e-06%)

toluene: (conc.: 1.36e-06%)

Appendix A: Classifier defined and non GB MCL determinands

cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex

EU CLP index number: 048-001-00-5

Description/Comments: Worst Case: IARC considers cadmium compounds Group 1; Carcinogenic to humans

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

)

Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H312 , Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , 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

lead compounds with the exception of those specified elsewhere in this Annex (worst case)

EU CLP index number: 082-001-00-6

Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A

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

)

Hazard Statements: Repr. 1A; H360Df , Acute Tox. 4; H332 , Acute Tox. 4; H302 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Repr. 2; H361f >= 2.5 % , STOT RE 2; H373 >= 0.5 % , Carc. 1A; H350

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

zinc oxide (EC Number: 215-222-5, CAS Number: 1314-13-2)

EU CLP index number: 030-013-00-7

Description/Comments:

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

)

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

chromium(VI) oxide (EC Number: 215-607-8, CAS Number: 1333-82-0)

EU CLP index number: 024-001-00-0

Description/Comments:

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

)

Hazard Statements: Ox. Sol. 1; H271 , Carc. 1A; H350 , Muta. 1B; H340 , Repr. 2; H361f , Acute Tox. 2; H330 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 1; H372 , Skin Corr. 1A; H314 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT SE 3; H335 >= 1 %

pH (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

boron tribromide (EC Number: 233-657-9, CAS Number: 10294-33-4)

EU CLP index number: 005-003-00-0

Description/Comments:

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

)

Hazard Statements: Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , EUH014

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

EU CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

)

Hazard Statements: Acute Tox. 2; H330 , Acute Tox. 1; H310 , Acute Tox. 2; H300 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , EUH032 , EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

• **benzo[bk]fluoranthene** (EC Number: [1] 205-911-9 [2] 205-916-6, CAS Number: [1] 205-99-2 [2] 207-08-9)

Description/Comments: Combined data from harmonised entries in CLP for benzo[b] and benzo[k]fluoranthene; C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Carc. 1B; H350 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **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)

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

• **dichlorodifluoromethane** (EC Number: 200-893-9, CAS Number: 75-71-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Aquatic Chronic 3; H412 , Ozone 1; H420 , Press. Gas; H280

• **trichlorofluoromethane** (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Ozone 1; H420

• **2,2-dichloropropane** (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

• **bromochloromethane** (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Ozone 1; H420

• **bromodichloromethane** (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

• **trans-1,3-dichloropropene** (EC Number: 431-460-4, CAS Number: 10061-02-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

• **1,3-dichloropropane** (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

• **dibromochloromethane** (EC Number: 204-704-0, CAS Number: 124-48-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

• **1,1,1,2-tetrachloroethane** (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

• **tert-butylbenzene** (EC Number: 202-632-4, CAS Number: 98-06-6)

Description/Comments: VOC; Data from C&L Inventory Database

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

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , STOT SE 3; H335 , Asp. Tox. 1; H304 , Aquatic Chronic 2; H411

• **sec-butylbenzene** (EC Number: 205-227-0, CAS Number: 135-98-8)

Description/Comments: VOC; Data from C&L Inventory Database

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

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Chronic 2; H411

• **4-isopropyltoluene** (EC Number: 202-796-7, CAS Number: 99-87-6)

Description/Comments: VOC; Data from C&L Inventory Database

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

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Chronic 2; H411

• **n-butylbenzene** (EC Number: 203-209-7, CAS Number: 104-51-8)

Description/Comments: VOC; Data from C&L Inventory Database

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

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **hexachlorobutadiene** (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **1,2,3-trichlorobenzene** (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

• **1,1-dichloroethane and 1,2-dichloroethane (combined)** (EC Number: 203-458-1, 200-863-5, CAS Number: 107-06-2, 75-34-3)

Description/Comments: Combines the hazard statements and risk phrases for 1,1-dichloroethane and 1,2-dichloroethane

Data source: N/a

Data source date: 14 Oct 2016

Hazard Statements: Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 1B; H350 , Aquatic Chronic 3; H412

• **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

Appendix B: Rationale for selection of metal species

arsenic {arsenic pentoxide}

Worst case

cadmium {cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex}

Cadmium results not speciated.

copper {dicopper oxide; copper (I) oxide}

Copper results not speciated.

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Lead results not speciated.

mercury {mercury}

Worst case

nickel {nickel diiodide}

Worst case

selenium {nickel selenate}

Worst case

zinc {zinc oxide}

Zinc results not speciated.

chromium in chromium(VI) compounds {chromium(VI) oxide}

Chromium(VI) compounds not speciated.

boron {boron tribromide}

Worst case.

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

Cyanide results not speciated.

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

Chromium (III) compounds not speciated.

chromium {chromium(III) oxide (worst case)}

Worst case.

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2022.349.4000.3000 (18 Dec 2023)

HazWasteOnline Database: 2023.348.5858.10852 (16 Dec 2023)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1stEditionv1.2.GB-Oct2021

CLP Regulation - Regulation1272/2008/ECof16December2008

1st ATP - Regulation790/2009/ECof10August2009

2nd ATP - Regulation286/2011/ECof10March2011

3rd ATP - Regulation618/2012/EUof10July2012

4th ATP - Regulation487/2013/EUof8May2013

Correction to 1st ATP - Regulation758/2013/EUof7August2013

5th ATP - Regulation944/2013/EUof2October2013

6th ATP - Regulation605/2014/EUof5June2014

WFD Annex III replacement - Regulation1357/2014/EUof18December2014

Revised List of Waste 2014 - Decision2014/955/EUof18December2014

7th ATP - Regulation2015/1221/EUof24July2015

8th ATP - Regulation(EU)2016/918of19May2016

9th ATP - Regulation(EU)2016/1179of19July2016

10th ATP - Regulation(EU)2017/776of4May2017

HP14 amendment - Regulation(EU)2017/997of8June2017

13th ATP - Regulation(EU)2018/1480of4October2018

14th ATP - Regulation(EU)2020/217of4October2019

15th ATP - Regulation(EU)2020/1182of19May2020

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

Regulations 2020 - UK:2020No.1567of16thDecember2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

GB MCL List - version1.1of09June2021

GB MCL List v2.0 - version2.0of20thOctober2023



APPENDIX 14 - Contaminated Land Legislative Background

Legislative Background

Environmental liabilities and risks have been evaluated in terms of a source -pathway - target relationship in accordance with the approach set out in:

- The 1995 Environment Act;
- The Contaminated Land (England) Regulations 2000;
- The DETR circular 02/2000 Environmental Protection Act 1990: Part IIA Contaminated Land.

Contaminated land is defined within the legislative framework as land which is in such condition by reason of substances in, on or under the land that:

- 1) Significant harm is being caused or there is a significant possibility of such harm being caused;
- 2) Significant pollution of controlled waters is being or is likely to be caused.

The potential for harm is based on the presence of three factors:

- Source - substances that are potential contaminants or pollutants that may cause harm;
- Pathway - a potential route by which contaminants can move from the source to the receptor;
- Receptor - a receptor that may be harmed, for example the water environment, humans and water.

Where a source, pathway and target are all present a pollutant linkage exists and there is potential for harm to be caused. The presence of a source does not automatically imply that a contamination problem exists, since contamination must be defined in terms of pollutant linkages and unacceptable risk of harm. The nature and importance of both pathways and receptors are site specific and will vary according to the intended end use of the site, its characteristics and its surroundings.

The key principle which supports the SPR approach is 'suitable for use' criteria. This requires remedial action only where contamination is considered to pose unacceptable actual or potential risks to health or the environment and, taking into account the proposed use of the site.

Relevant Guidance Documents

This report has been prepared in accordance with the list of guidance below however the list is not exhaustive:

- LCRM – Model Procedures;
- Contamination and Environmental Matters - Their implications for Property Professionals (2nd Edition RICS Nov 2003);
- Brownfields – Managing the development of previously developed land – A client's guide, CIRIA 2002;
- DEFRA and Environment Agency publications CLR7 – 10, supported by the TOX guides and SGV guides, dated March 2002;
- DETR Circular 02/2000, Contaminated Land: Implementation of Part IIA of the Environmental Protection Act 1990;
- Environment Agency technical advice to third parties on Pollution of Controlled Waters for Part IIA of the EPA1990, May 2002;

Relevant Legislative Documents

The following is a non-exhaustive list of legislative framework documents that has been considered in the production of this report:

- The Environment Act (1995);
- The Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance (2012);
- The Environmental Protection Act (1990);
- The Contaminated Land (England) Act (2000);
- Contaminated Land (England) Regulations (2012);
- The Water Resources Act (1991);
- The Pollution Prevention and Control (England and Wales) Regulations (2000);
- The Landfill Regulations (England and Wales) Regulations (2002);
- The Landfill (England and Wales) (Amendment) Regulations (2004);
- Health and Safety at Work Act;



APPENDIX 15 - Limitations



Limitations

This report (Report) forms part of the Services and if applicable Additional Services undertaken by Groundtech Consulting Ltd pursuant to a written contract (Agreement) which contains detailed provisions including express limitations of the liability of Groundtech Consulting Ltd.

This Report was prepared using reasonable skill and care as stated in the Agreement for the purpose including intended end use stated by the Client (Purpose) and the liability of Groundtech Consulting Ltd in respect of the form and content of this Report is no greater than its liability under the Agreement. All records, measurements notes, or any other data (Data) obtained by or for the benefit of the Consultant were obtained at a specific point in time and it may not be assumed by the Client or any person relying on this Report that the Data will remain unaffected by the passage of time, the seasons, weather conditions, changes in the water table or the carrying out and completion of works at the Site.

Unless otherwise agreed this Report has been prepared exclusively for the use and reliance of the Client and may not be relied upon, by any other party except as provided for in the Agreement. A third party who relies on this Report, does so at their own and sole risk and Groundtech Consulting Ltd has no liability to such parties.

Groundtech Consulting Ltd that this Report is to be used for the Purpose. The Purpose was instrumental in determining the scope and of the Services provided. If the Purpose should change, the Client may not be able to rely on the Report without the separate agreement of Groundtech Consulting Ltd.

Since the Report was written, later changes in legislation, statutory requirements and industry best practices have not been considered and this should be allowed for. Ground conditions can also change (see below) and should be investigated if there is any significant delay in acting on the findings of this Report. The period of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the Report inaccurate or unreliable. The information and conclusions in this Report should not be relied upon in the future without written confirmation from Groundtech Consulting Ltd that it is safe to do so.

The observations and conclusions outlined in this Report are based exclusively on the services that were provided as set out in the agreement between the client and Groundtech Consulting Ltd.

Groundtech Consulting Ltd is not liable for the existence of any condition, the discovery of which would require additional investigation outside the agreed scope of works or core competency. The Report is based upon Groundtech Consulting Ltd's observations of existing physical conditions at the Site gained from site reconnaissance together with interpretation of information including documentation, obtained from third parties and from the Client on the history and usage of the Site. The findings and recommendations contained in this Report are based in part upon information provided by third parties, and Groundtech Consulting Ltd have relied upon such information assuming it to be correct.

Groundtech Consulting Ltd accepts no responsibility for errors or inaccuracies in third party information presented in this Report. Groundtech Consulting Ltd was not authorised to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services or Additional Services. Groundtech Consulting Ltd is not liable for any inaccurate information, misrepresentation of data or conclusions, which may inform the scope of investigation undertaken by Groundtech Consulting Ltd and forms the contract with the client.



Where field investigations have been carried out these have been restricted to a level of detail required to achieve the stated objectives of the work. Ground conditions may also vary due to the ground's heterogeneous properties and because investigation exploratory locations only allow examination of the ground at discrete locations. The potential exists for ground conditions to be encountered which are different to those considered in this Report, particularly between exploratory holes. The extent of the limited area depends on the soil and groundwater conditions, together with other constraints such as the position of any existing structures and underground utilities. If so stipulated in the Agreement, geo-environmental testing was carried out for a limited number of parameters based on an understanding of the available operational and historical information, and it should not be inferred that other chemical species are not present.

Any groundwater conditions entered on the exploratory hole records are those observed at the time of investigation. The groundwater level often has not had time to reach equilibrium and a monitoring period is required. Furthermore, groundwater levels are subject to seasonal variation or changes in local drainage conditions and groundwater levels may occur at other times of the year which are higher than were recorded during this investigation.

Any site drawings provided in this Report are preliminary and used to present the general relative locations of features on, and surrounding, the Site.

