Analytical Report Number: 22-83965
Project / Site name: Begbroke
Your Order No: PO19941

Lab Sample Number				2423849	2423850	2423851	2423852	2423853
Sample Reference				WS228	WS235	WS242	TP206	TP217
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.20	0.20	0.40
Date Sampled				05/09/2022	05/09/2022	05/09/2022	08/09/2022	08/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Toluene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
o-xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	-	-	< 2.0	-	-
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	-	-	< 8.0	-	-
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	-	-	< 8.0	-	-
TPH-CWG - Aliphatic >EC16 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aliphatic > EC35 - EC44 $_{EH\_CU\_1D\_AL}$	mg/kg	8.4	NONE	-	-	< 8.4	-	-
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aliphatic (EC5 - EC44) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	-	-	< 10	-	-
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	-	-	< 2.0	-	-
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aromatic > EC35 - EC44 $_{EH\_CU\_1D\_AR}$	mg/kg	8.4	NONE	-	-	< 8.4	-	-
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aromatic (EC5 - EC44) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	-	-	< 10	-	-
TPH Total C5 - C44 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	-	-	< 10	-	-
VOCs								
Chloromethane	µg/kg	1	ISO 17025	-	-	-	-	-
Chloroethane	µg/kg	1	NONE	-	-	-	-	-
Bromomethane	µg/kg	1	ISO 17025	-	-	-	-	-
Vinyl Chloride	µg/kg	1	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	1	NONE	-	-	-	-	-
1,1-Dichloroethene	µg/kg	1	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	-	-
1,1-Dichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	-	-
Trichloromethane	µg/kg	1	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-	-	-	-	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	-	-	-	-
Benzene	µg/kg	1	MCERTS	-	-	-	-	-

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Lab Sample Number				2423849	2423850	2423851	2423852	2423853
Sample Reference				WS228	WS235	WS242	TP206	TP217
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.20	0.20	0.40
Date Sampled				05/09/2022	05/09/2022	05/09/2022	08/09/2022	08/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Tetrachloromethane	µg/kg	1	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	1	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	1	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	1	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	-	-	-	-
Dibromochloromethane	µg/kg	1	ISO 17025	-	-	-	-	-
Tetrachloroethene	µg/kg	1	NONE	-	-	-	-	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	-	-	-	-
Chlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
p & m-Xylene	µg/kg	1	MCERTS	-	-	-	-	-
Styrene	µg/kg	1	MCERTS	-	-	-	-	-
Tribromomethane	µg/kg	1	NONE	-	-	-	-	-
o-Xylene	µg/kg	1	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	-	-
Isopropylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
Bromobenzene	µg/kg	1	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	1	ISO 17025	-	-	-	-	-
2-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	-	-
tert-Butylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	-	-
sec-Butylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-

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Lab Sample Number				2423849	2423850	2423851	2423852	2423853
Sample Reference				WS228	WS235	WS242	TP206	TP217
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.20	0.20	0.40
Date Sampled				05/09/2022	05/09/2022	05/09/2022	08/09/2022	08/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Project / Site name: Begbroke
Your Order No: PO19941

Lab Sample Number				2423854	2423855	2423856	2423857
Sample Reference				TP218	TP219	TP214	TP223
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.25	0.50	0.15
Date Sampled				08/09/2022	08/09/2022	08/09/2022	08/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	6.6	5.3	6.8	5.8
Total mass of sample received	kg	0.001	NONE	0.9	0.9	0.5	0.9

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MLO	MLO	MLO	MLO

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7	7.7	7.9	7.7
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0078	0.0041	0.0021	0.0056
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.016	0.022	0.0018	0.013

Total Phenols

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

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	41	51	64	18
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.1	1.4	1.7	0.79
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	0.4	0.3	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	38	50	64	28
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	39	50	64	29
Copper (aqua regia extractable)	mg/kg	1	MCERTS	20	20	21	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	27	27	17	25
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	34	41	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	68	97	120	45
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	83	110	94	56

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Lab Sample Number				2423854	2423855	2423856	2423857
Sample Reference				TP218	TP219	TP214	TP223
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.25	0.50	0.15
Date Sampled				08/09/2022	08/09/2022	08/09/2022	08/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Monoaromatics & Oxygenates							
Benzene	µg/kg	1	MCERTS	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-	-	-
o-xylene	µg/kg	1	MCERTS	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	-
Petroleum Hydrocarbons							
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	10	MCERTS	-	-	-	-
TPH-CWG - Aliphatic > EC35 - EC44 $_{EH\_CU\_1D\_AL}$	mg/kg	8.4	NONE	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC44) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	-	-	-	-
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	-	-	-	-
TPH-CWG - Aromatic > EC35 - EC44 $_{EH\_CU\_1D\_AR}$	mg/kg	8.4	NONE	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC44) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	-	-	-	-
TPH Total C5 - C44 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	-	-	-	-
VOCs							
Chloromethane	µg/kg	1	ISO 17025	-	-	-	-
Chloroethane	µg/kg	1	NONE	-	-	-	-
Bromomethane	µg/kg	1	ISO 17025	-	-	-	-
Vinyl Chloride	µg/kg	1	NONE	-	-	-	-
Trichlorofluoromethane	µg/kg	1	NONE	-	-	-	-
1,1-Dichloroethene	µg/kg	1	NONE	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	-
1,1-Dichloroethane	µg/kg	1	MCERTS	-	-	-	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	-
Trichloromethane	µg/kg	1	MCERTS	-	-	-	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	-	-	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-	-	-	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-	-	-	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	-	-	-
Benzene	µg/kg	1	MCERTS	-	-	-	-

Analytical Report Number: 22-83965
Project / Site name: Begbroke
Your Order No: PO19941

Lab Sample Number				2423854	2423855	2423856	2423857
Sample Reference				TP218	TP219	TP214	TP223
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.25	0.50	0.15
Date Sampled				08/09/2022	08/09/2022	08/09/2022	08/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Tetrachloromethane	µg/kg	1	MCERTS	-	-	-	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	-
Trichloroethene	µg/kg	1	MCERTS	-	-	-	-
Dibromomethane	µg/kg	1	MCERTS	-	-	-	-
Bromodichloromethane	µg/kg	1	MCERTS	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	-	-	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	-	-	-
Dibromochloromethane	µg/kg	1	ISO 17025	-	-	-	-
Tetrachloroethene	µg/kg	1	NONE	-	-	-	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	-	-	-
Chlorobenzene	µg/kg	1	MCERTS	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-
p & m-Xylene	µg/kg	1	MCERTS	-	-	-	-
Styrene	µg/kg	1	MCERTS	-	-	-	-
Tribromomethane	µg/kg	1	NONE	-	-	-	-
o-Xylene	µg/kg	1	MCERTS	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	-
Isopropylbenzene	µg/kg	1	MCERTS	-	-	-	-
Bromobenzene	µg/kg	1	MCERTS	-	-	-	-
n-Propylbenzene	µg/kg	1	ISO 17025	-	-	-	-
2-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	-
4-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	-
tert-Butylbenzene	µg/kg	1	MCERTS	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	-
sec-Butylbenzene	µg/kg	1	MCERTS	-	-	-	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	-	-	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	-	-	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	-
Butylbenzene	µg/kg	1	MCERTS	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	-	-	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-

Analytical Report Number: 22-83965
Project / Site name: Begbroke
Your Order No: PO19941

Lab Sample Number				2423854	2423855	2423856	2423857
Sample Reference				TP218	TP219	TP214	TP223
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.25	0.50	0.15
Date Sampled				08/09/2022	08/09/2022	08/09/2022	08/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 22-83965
Project / Site name: Begbroke

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2423844	WS225	None Supplied	0.6	Brown sand with gravel.
2423845	WS225	None Supplied	0.2	Brown loam and clay with vegetation and gravel
2423846	WS221	None Supplied	0.2	Brown loam and clay with vegetation and gravel
2423847	WS247	None Supplied	0.2	Brown loam and clay with vegetation and plastic.
2423848	WS236	None Supplied	0.2	Brown loam and sand with vegetation and clinker
2423849	WS228	None Supplied	0.2	Brown loam and clay with vegetation and gravel
2423850	WS235	None Supplied	0.2	Brown loam and clay with vegetation and gravel
2423851	WS242	None Supplied	0.2	Brown loam and clay with vegetation and gravel
2423852	TP206	None Supplied	0.2	Brown loam and clay with vegetation and gravel
2423853	TP217	None Supplied	0.4	Brown loam and sand with vegetation and gravel.
2423854	TP218	None Supplied	0.15	Brown loam and clay with vegetation.
2423855	TP219	None Supplied	0.25	Brown loam and clay with vegetation and gravel
2423856	TP214	None Supplied	0.5	Brown sandy clay with gravel.
2423857	TP223	None Supplied	0.15	Brown loam and clay with vegetation and gravel

Analytical Report Number : 22-83965
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	MCERTS

Analytical Report Number : 22-83965
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Fraction Organic Carbon FOC Automated	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method	L009	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

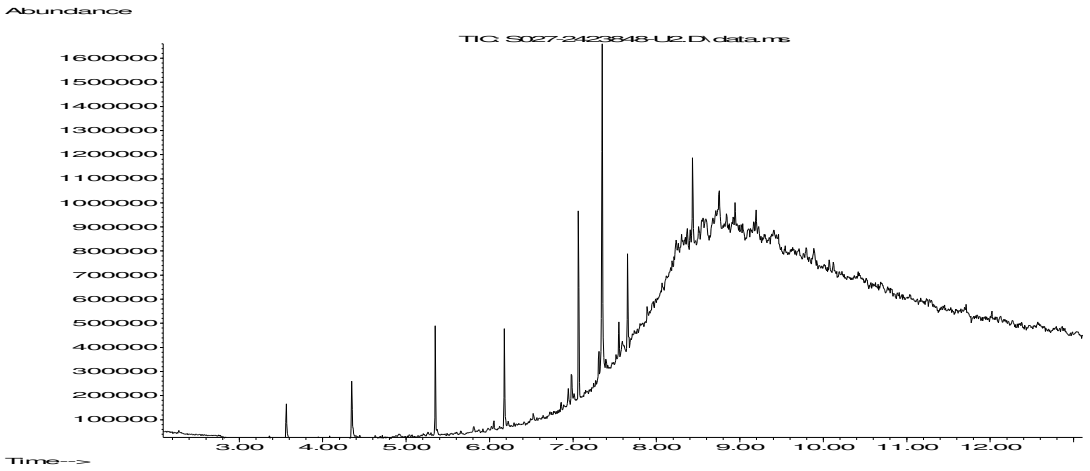
Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Sample Deviation Report

Analytical Report Number : 22-83965
Project / Site name: Begbroke

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS221	None Supplied	S	2423846	c	Free cyanide in soil	L080-PL	c
WS225	None Supplied	S	2423844	c	Free cyanide in soil	L080-PL	c
WS225	None Supplied	S	2423845	c	Free cyanide in soil	L080-PL	c
WS228	None Supplied	S	2423849	c	Free cyanide in soil	L080-PL	c
WS235	None Supplied	S	2423850	c	Free cyanide in soil	L080-PL	c
WS236	None Supplied	S	2423848	c	Free cyanide in soil	L080-PL	c
WS242	None Supplied	S	2423851	c	Free cyanide in soil	L080-PL	c
WS247	None Supplied	S	2423847	c	Free cyanide in soil	L080-PL	c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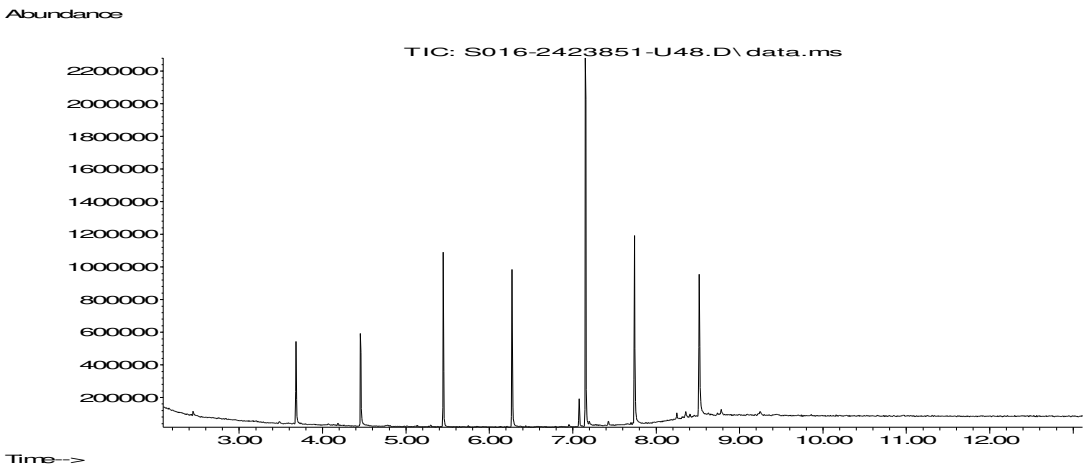
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Analytical Report Number : 22-83966

Project / Site name:	Begbroke	**Samples received on:**	13/09/2022
Your job number:	19114	**Samples instructed on/ Analysis started on:**	13/09/2022
Your order number:	PO19941	**Analysis completed by:**	21/09/2022
Report Issue Number:	1	**Report issued on:**	21/09/2022
Samples Analysed:	6 soil samples		

Signed: [redacted]

Izabela Wójcik
Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Analytical Report Number: 22-83966
Project / Site name: Begbroke

Lab Sample Number				2423873	2423874	2423875	2423876	2423877
Sample Reference				WS224	WS234	WS233	TP226	TP213
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.10	0.50	0.20	0.20
Date Sampled				08/09/2022	08/09/2022	08/09/2022	06/09/2022	06/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	7.8	12	8.1	6	4.3
Total mass of sample received	kg	0.001	NONE	0.9	0.9	0.9	0.9	0.9

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	ASE	ASE	ASE	ASE	ASE

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.6	8.3	7.9	8	7.9
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0061	0.017	0.016	0.017	0.016
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.026	0.021	0.0044	0.019	0.013

Total Phenols

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

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.81
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.32
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.2
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.36	0.49	0.41	0.87
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.21	0.27	0.23	0.44
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.27	0.32	0.3	0.46
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	0.84	1.08	0.94	3.1

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	25	16	24	39	31
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.88	0.99	0.93	1.2	0.94
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	1.9	< 0.2	1	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	32	37	38	43	37
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	32	38	38	45	38
Copper (aqua regia extractable)	mg/kg	1	MCERTS	15	16	9.1	21	18
Lead (aqua regia extractable)	mg/kg	1	MCERTS	23	22	10	30	28
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	20	23	23	31	23
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	52	51	61	78	62
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	64	72	48	110	70

Analytical Report Number: 22-83966
Project / Site name: Begbroke

Lab Sample Number				2423873	2423874	2423875	2423876	2423877
Sample Reference				WS224	WS234	WS233	TP226	TP213
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.10	0.50	0.20	0.20
Date Sampled				08/09/2022	08/09/2022	08/09/2022	06/09/2022	06/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
o-xylene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH-CWG - Aliphatic > EC35 - EC44 $_{EH\_CU\_1D\_AL}$	mg/kg	8.4	NONE	< 8.4	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC44) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	-	-	-	-
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH-CWG - Aromatic > EC35 - EC44 $_{EH\_CU\_1D\_AR}$	mg/kg	8.4	NONE	< 8.4	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC44) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	< 10	-	-	-	-
TPH Total C5 - C44 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	< 10	-	-	-	-
Pesticide and Herbicide Screen								
GCMS Pesticide Screen		N/A	NONE	-	None Detected	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 22-83966
Project / Site name: Begbroke

Lab Sample Number				2423878
Sample Reference				TP204
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				06/09/2022
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	5.4
Total mass of sample received	kg	0.001	NONE	0.9

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	ASE

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8
Free Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.061
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.018

Total Phenols

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

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	1.6
Acenaphthylene	mg/kg	0.05	MCERTS	2.5
Acenaphthene	mg/kg	0.05	MCERTS	0.66
Fluorene	mg/kg	0.05	MCERTS	2
Phenanthrene	mg/kg	0.05	MCERTS	7.4
Anthracene	mg/kg	0.05	MCERTS	1.7
Fluoranthene	mg/kg	0.05	MCERTS	4.8
Pyrene	mg/kg	0.05	MCERTS	4.5
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.8
Chrysene	mg/kg	0.05	MCERTS	1.3
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.1
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.75
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.98
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.51
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.82

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	32.3

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	71
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.5
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (III)	mg/kg	1	NONE	69
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	69
Copper (aqua regia extractable)	mg/kg	1	MCERTS	24
Lead (aqua regia extractable)	mg/kg	1	MCERTS	46
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	44
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	100
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110

Analytical Report Number: 22-83966
Project / Site name: Begbroke

Lab Sample Number				2423878
Sample Reference				TP204
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				06/09/2022
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Monoaromatics & Oxygenates				
Benzene	µg/kg	1	MCERTS	-
Toluene	µg/kg	1	MCERTS	-
Ethylbenzene	µg/kg	1	MCERTS	-
p & m-xylene	µg/kg	1	MCERTS	-
o-xylene	µg/kg	1	MCERTS	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-
Petroleum Hydrocarbons				
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	-
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	-
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	-
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	-
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	-
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	-
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	-
TPH-CWG - Aliphatic >EC16 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	10	MCERTS	-
TPH-CWG - Aliphatic > EC35 - EC44 $_{EH\_CU\_1D\_AL}$	mg/kg	8.4	NONE	-
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	-
TPH-CWG - Aliphatic (EC5 - EC44) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	-
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	-
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	-
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	-
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	-
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	-
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic > EC35 - EC44 $_{EH\_CU\_1D\_AR}$	mg/kg	8.4	NONE	-
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic (EC5 - EC44) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	-
TPH Total C5 - C44 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	-
Pesticide and Herbicide Screen				
GCMS Pesticide Screen		N/A	NONE	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 22-83966
Project / Site name: Begbroke

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2423873	WS224	None Supplied	0.1	Brown loam and sand with gravel and vegetation.
2423874	WS234	None Supplied	0.1	Brown loam with gravel and vegetation.
2423875	WS233	None Supplied	0.5	Brown sand with gravel.
2423876	TP226	None Supplied	0.2	Brown loam with gravel and vegetation.
2423877	TP213	None Supplied	0.2	Brown loam with gravel and vegetation.
2423878	TP204	None Supplied	0.2	Brown loam with gravel and vegetation.

Analytical Report Number : 22-83966
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	MCERTS
GC Pesticide Screen (TIC)	Analysis of unknown pesticides by GCMS	GC Pesticide Screen (TIC)	L064B	D	NONE
Fraction Organic Carbon FOC Automated	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method	L009	D	MCERTS

Analytical Report Number : 22-83966
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS

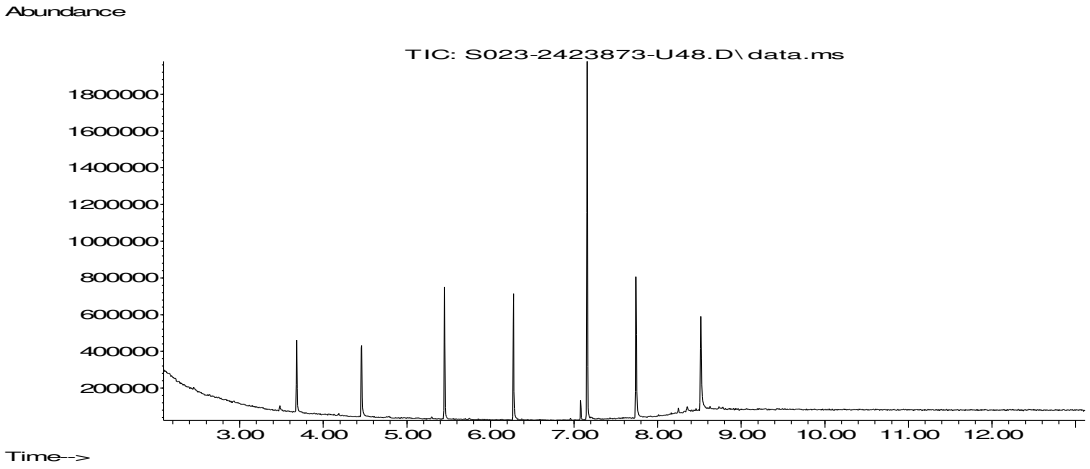
For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total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3.00
4.00
5.00
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7.00
8.00
9.00
10.00
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Time-->

Sample Deviation Report

Analytical Report Number : 22-83966
Project / Site name: Begbroke

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP204	None Supplied	S	2423878	c	Free cyanide in soil	L080-PL	c
TP213	None Supplied	S	2423877	c	Free cyanide in soil	L080-PL	c
TP226	None Supplied	S	2423876	c	Free cyanide in soil	L080-PL	c

Key: **a** - No sampling date **b** - Incorrect container
c - Holding time **d** - Headspace **e** - Temperature

UKAS TESTING
4041

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Analytical Report Number : 22-93041

Project / Site name:	Begbroke	**Samples received on:**	27/10/2022
Your job number:	19114	**Samples instructed on/ Analysis started on:**	27/10/2022
Your order number:	PO21285	**Analysis completed by:**	02/11/2022
Report Issue Number:	1	**Report issued on:**	02/11/2022
Samples Analysed:	4 water samples		

Signed:

Adam Fenwick
Technical Reviewer
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Analytical Report Number: 22-93041
Project / Site name: Begbroke

Your Order No: PO21285

Lab Sample Number				2478623	2478624	2478625	2478626
Sample Reference				BH202	BH203	BH204	WS246
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/10/2022	27/10/2022	27/10/2022	27/10/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
General Inorganics							
pH	pH Units	N/A	ISO 17025	7.5	7.3	7.1	7.0
Electrical Conductivity at 20 °C	µS/cm	10	ISO 17025	540	730	1200	860
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0
Sulphate as SO4	µg/l	45	ISO 17025	31300	34800	253000	88800
Chloride	mg/l	0.15	ISO 17025	14	29	29	26
Fluoride	µg/l	50	ISO 17025	250	370	250	340
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	< 15	< 15	< 15	28
Ammoniacal Nitrogen as NH3	µg/l	15	ISO 17025	18	17	15	33
Ammoniacal Nitrogen as NH4	µg/l	15	ISO 17025	19	18	16	35
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	1.03	1.06	2.23	2.14
Nitrate as N	mg/l	0.01	ISO 17025	17.1	12.7	6.19	2.35
Nitrate as NO3	mg/l	0.05	ISO 17025	75.9	56.1	27.4	10.4
Nitrite as N	µg/l	1	ISO 17025	5	6.3	19	21
Nitrite as NO2	µg/l	5	ISO 17025	16	21	62	69
Hardness - Total	mgCaCO3/l	1	ISO 17025	327	413	728	523
Bromate by IC	mg/l	0.002	ISO 17025	< 0.002	< 0.002	< 0.002	< 0.002
Total Phenols							
Total Phenols (monohydric)	µg/l	1	ISO 17025	< 1.0	< 1.0	1.1	< 1.0
Speciated PAHs							
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001
PAH Sums							
Sum of Benzo(b)fluoranthene & Benzo(k)fluoranthene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benz	µg/l	0.04	NONE	< 0.040	< 0.040	< 0.040	< 0.040
Total PAH							
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16	< 0.16

Analytical Report Number: 22-93041
Project / Site name: Begbroke

Your Order No: PO21285

Lab Sample Number				2478623	2478624	2478625	2478626
Sample Reference				BH202	BH203	BH204	WS246
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/10/2022	27/10/2022	27/10/2022	27/10/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Heavy Metals / Metalloids							
Boron (dissolved)	µg/l	10	ISO 17025	26	60	740	230
Calcium (dissolved)	mg/l	0.012	ISO 17025	120	160	260	200
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0
Iron (dissolved)	mg/l	0.004	ISO 17025	0.015	0.021	0.021	0.034
Iron (dissolved)	µg/l	4	ISO 17025	15	21	21	34
Magnesium (dissolved)	mg/l	0.005	ISO 17025	4.1	5.3	18	4.6
Sodium (dissolved)	mg/l	0.01	ISO 17025	6.4	14	27	16
Aluminium (dissolved)	µg/l	1	ISO 17025	28	5.8	32	7.1
Antimony (dissolved)	µg/l	0.4	ISO 17025	0.6	0.5	0.8	0.6
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.24	0.17	0.55	0.91
Barium (dissolved)	µg/l	0.06	ISO 17025	12	24	63	39
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.03	< 0.02	0.02	0.05
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.3	< 0.2	< 0.2	< 0.2
Cobalt (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	0.8	0.4
Copper (dissolved)	µg/l	0.5	ISO 17025	1	0.8	1.1	1.5
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	0.7	1.2	430	120
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	0.7	1.2	9.7	11
Selenium (dissolved)	µg/l	0.6	ISO 17025	0.6	< 0.6	< 0.6	0.8
Silver (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
Tin (dissolved)	µg/l	0.2	ISO 17025	< 0.20	< 0.20	< 0.20	< 0.20
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.3	< 0.2	0.3	0.6
Zinc (dissolved)	µg/l	0.5	ISO 17025	1.4	3.2	2.2	2.6

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 22-93041
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Boron in water	Determination of boron in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM	L039-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Electrical conductivity at 20oC of water	Determination of electrical conductivity in water by electrometric measurement. Accredited Matrices SW, GW, PW	In-house method	L031-PL	W	ISO 17025
Fluoride in water	Determination of fluoride in water by 1:1 ratio with a buffer solution followed by Ion Selective Electrode. Accredited matrices: SW, PW, GW.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Total Hardness of water	Determination of hardness in waters by calculation from calcium and magnesium. Accredited Matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	W	ISO 17025
Monohydric phenols in water - LOW LEVEL 1 ug/l	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	ISO 17025
Nitrite in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry).Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrate in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Dissolved Organic Carbon in water	Determination of dissolved inorganic carbon in water by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	ISO 17025
Speciated EPA-16 PAHs in water (LOW LEVEL Dets)	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270 (low level)	L102B-PL	W	NONE
Ammonia as NH3 in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Ammoniacal Nitrogen as N in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the discrete analyser (colorimetric) salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Ammonium as NH4 in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025

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Analytical Report Number : 22-93041
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Nitrite as N in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry). Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrate as N in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
Cr (III) in water	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
Low level total cyanide in water	Determination of total cyanide by distillation followed by colorimetry. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-PL	W	ISO 17025
Free cyanide (low level) in water	Determination of free cyanide by distillation followed by colorimetry.Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Bromate in Water	Determination of bromate in waters based on ion chromatography. Accredited matrices GW, PW, SW.	In house method based on Standard Methods for the Analysis of Water and Waste Water, method 4500	L008-PL	W	ISO 17025
Specific PAH sums in water	Determination of PAH compounds in water by extraction in hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L070-PL	W	NONE
Chloride in water	Determination of Chloride (diissolved) colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260. Accredited matrices: SW, PW, GW.	L082-PL	W	ISO 17025

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

UKAS TESTING
4041

Environmental Science

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Analytical Report Number : 22-85131

Project / Site name:	Begbroke	**Samples received on:**	16/09/2022
Your job number:	19114	**Samples instructed on/ Analysis started on:**	20/09/2022
Your order number:	PO20129	**Analysis completed by:**	27/09/2022
Report Issue Number:	1	**Report issued on:**	27/09/2022
Samples Analysed:	22 water samples		

Signed: [redacted]

Izabela Wójcik
Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Analytical Report Number: 22-85131
Project / Site name: Begbroke

Your Order No: PO20129

Lab Sample Number				2430411	2430412	2430413	2430414	2430415
Sample Reference				BH205	WS201	WS202	WS203	WS205
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	14/09/2022	14/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	7.2	7.6	7.4	7.4	7.3
Electrical Conductivity at 20 °C	µS/cm	10	ISO 17025	800	660	710	730	870
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sulphate as SO4	µg/l	45	ISO 17025	96900	80000	54500	76200	44400
Chloride	mg/l	0.15	ISO 17025	43	41	58	29	55
Fluoride	µg/l	50	ISO 17025	260	320	420	340	250
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	< 15	< 15	< 15	< 15	18
Ammoniacal Nitrogen as NH3	µg/l	15	ISO 17025	< 15	< 15	< 15	< 15	22
Ammoniacal Nitrogen as NH4	µg/l	15	ISO 17025	15	< 15	< 15	< 15	24
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	2.07	1.54	3.22	1.33	2.28
Nitrate as N	mg/l	0.01	ISO 17025	0.8	8.85	0.25	11.8	11.2
Nitrate as NO3	mg/l	0.05	ISO 17025	3.54	39.2	1.11	52.2	49.6
Nitrite as N	µg/l	1	ISO 17025	24	32	13	58	92
Nitrite as NO2	µg/l	5	ISO 17025	79	110	41	190	300
Hardness - Total	mgCaCO3/l	1	ISO 17025	455	357	355	441	492
Bromate by IC	mg/l	0.002	ISO 17025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total Phenols								
Total Phenols (monohydric)	µg/l	1	ISO 17025	2.5	3.1	2.3	1.7	2.5
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAH Sums								
Sum of Benzo(b)fluoranthene & Benzo(k)fluoranthene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.04	NONE	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16

Analytical Report Number: 22-85131
Project / Site name: Begbroke

Your Order No: PO20129

Lab Sample Number				2430411	2430412	2430413	2430414	2430415
Sample Reference				BH205	WS201	WS202	WS203	WS205
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	14/09/2022	14/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Boron (dissolved)	µg/l	10	ISO 17025	110	35	56	67	56
Calcium (dissolved)	mg/l	0.012	ISO 17025	170	140	130	170	190
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Iron (dissolved)	mg/l	0.004	ISO 17025	0.014	< 0.004	< 0.004	0.13	0.034
Iron (dissolved)	µg/l	4	ISO 17025	14	< 4.0	< 4.0	130	34
Magnesium (dissolved)	mg/l	0.005	ISO 17025	4.7	4.2	4.4	5.9	5.5
Sodium (dissolved)	mg/l	0.01	ISO 17025	36	23	44	17	32
Aluminium (dissolved)	µg/l	1	ISO 17025	6.2	18	3.3	13	9.8
Antimony (dissolved)	µg/l	0.4	ISO 17025	0.6	0.4	0.8	0.5	0.7
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.43	0.24	0.21	0.18	0.24
Barium (dissolved)	µg/l	0.06	ISO 17025	34	25	38	21	46
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.1	< 0.02	< 0.02	< 0.02	< 0.02
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	0.3	< 0.2	< 0.2	< 0.2
Cobalt (dissolved)	µg/l	0.2	ISO 17025	6.1	< 0.2	< 0.2	0.3	0.4
Copper (dissolved)	µg/l	0.5	ISO 17025	3.1	< 0.5	1	1.3	1.4
Lead (dissolved)	µg/l	0.2	ISO 17025	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	110	3.9	1.2	43	1.1
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	12	< 0.5	1.3	1.6	1.1
Selenium (dissolved)	µg/l	0.6	ISO 17025	0.7	< 0.6	< 0.6	< 0.6	< 0.6
Silver (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tin (dissolved)	µg/l	0.2	ISO 17025	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Vanadium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025	3.2	1.1	0.7	1.9	1.4
Monoaromatics & Oxygenates								
Benzene	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
Toluene	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
p & m-xylene	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
o-xylene	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
Sum of m, p & o-Xylene	µg/l	2	ISO 17025	< 2.0	-	< 2.0	< 2.0	-

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Lab Sample Number				2430411	2430412	2430413	2430414	2430415
Sample Reference				BH205	WS201	WS202	WS203	WS205
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	14/09/2022	14/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
TPH-CWG - Aliphatic >C6 - C8 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
TPH-CWG - Aliphatic >C8 - C10 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
TPH-CWG - Aliphatic >C10 - C12 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aliphatic >C12 - C16 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aliphatic >C16 - C21 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aliphatic >C21 - C35 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aliphatic >C16 - C35 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aliphatic >C35 - C44 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aliphatic (C5 - C35) $_{HS+EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aliphatic (C5 - C44) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aromatic >C5 - C7 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
TPH-CWG - Aromatic >C7 - C8 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
TPH-CWG - Aromatic >C8 - C10 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	< 1.0	-	< 1.0	< 1.0	-
TPH-CWG - Aromatic >C10 - C12 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aromatic >C12 - C16 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aromatic >C16 - C21 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aromatic >C21 - C35 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aromatic >C35 - C44 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aromatic (C5 - C35) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG - Aromatic (C5 - C44) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
TPH-CWG Total C5 - C44 $_{EH+HS\_1D\_TOTAL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-	< 10	< 10	-
VOCs								
Chloromethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Chloroethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Bromomethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Vinyl Chloride	µg/l	1	NONE	< 1.0	-	-	-	-
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	-	-	-	-
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Trichloromethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Benzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Trichloroethene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Dibromomethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Toluene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-

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Lab Sample Number				2430411	2430412	2430413	2430414	2430415
Sample Reference				BH205	WS201	WS202	WS203	WS205
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	14/09/2022	14/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Styrene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Tribromomethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
o-Xylene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Bromobenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Butylbenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	-	-	-	-
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	-	-	-	-

Dichloromethane	µg/l	3	NONE	< 3.0	-	-	-	-
Dichlorodifluoromethane	µg/l	1	NONE	< 1.0	-	-	-	-
Total Trihalomethanes	µg/l	4	NONE	< 4.0	-	-	-	-
Total Trichlorobenzenes	ug/l	3	NONE	< 3.0	-	-	-	-
Total Dichlorobenzenes	ug/l	3	NONE	< 3.0	-	-	-	-
Trichloroethylene (TCE) + Tetrachloroethylene (PCE)	ug/l	2	NONE	< 2.0	-	-	-	-
Total 1,2-Dichloroethene	ug/l	2	NONE	< 2.0	-	-	-	-
Total 1,3-Dichloropropane	ug/l	2	NONE	< 2.0	-	-	-	-
Tetrachloroethane	ug/l	2	NONE	< 2.0	-	-	-	-

SVOCs

Aniline	µg/l	0.05	NONE	< 0.05	-	-	-	-
Phenol	µg/l	0.05	NONE	< 0.05	-	-	-	-
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	-	-	-	-
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	-	-	-	-
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	-	-	-	-
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	-	-	-	-
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	-	-	-	-
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	-	-	-	-
2-Methylphenol	µg/l	0.05	NONE	< 0.05	-	-	-	-
Hexachloroethane	µg/l	0.05	NONE	< 0.05	-	-	-	-
Nitrobenzene	µg/l	0.05	NONE	< 0.05	-	-	-	-

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Project / Site name: Begbroke

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Lab Sample Number				2430411	2430412	2430413	2430414	2430415
Sample Reference				BH205	WS201	WS202	WS203	WS205
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	14/09/2022	14/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
4-Methylphenol	µg/l	0.05	NONE	< 0.05	-	-	-	-
Isophorone	µg/l	0.05	NONE	< 0.05	-	-	-	-
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	-	-	-	-
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	-	-	-	-
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	-	-	-	-
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	-	-	-	-
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	-	-	-	-
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	-	-	-	-
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	-	-	-	-
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	-	-	-	-
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	-	-	-	-
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	-	-	-	-
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	-	-	-	-
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	-	-	-	-
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	-	-	-	-
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	-	-	-	-
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	-	-	-	-
Dibenzofuran	µg/l	0.05	NONE	< 0.05	-	-	-	-
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	-	-	-	-
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	-	-	-	-
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	-	-	-	-
Fluorene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Azobenzene	µg/l	0.05	NONE	< 0.05	-	-	-	-
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	-	-	-	-
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	-	-	-	-
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Anthracene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Carbazole	µg/l	0.05	NONE	< 0.05	-	-	-	-
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	-	-	-	-
Anthraquinone	µg/l	0.05	NONE	< 0.05	-	-	-	-
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Pyrene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	-	-	-	-
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Chrysene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	-	-	-	-

3&4-Methylphenol	µg/l	0.1	NONE	< 0.10	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Lab Sample Number				2430416	2430417	2430418	2430419	2430420
Sample Reference				WS207	WS208	WS209	WS210	WS211
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	15/09/2022	14/09/2022	14/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	7.2	7.3	7.4	7.3	7.2
Electrical Conductivity at 20 °C	µS/cm	10	ISO 17025	730	710	690	700	1300
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sulphate as SO4	µg/l	45	ISO 17025	41900	55100	49500	67100	242000
Chloride	mg/l	0.15	ISO 17025	28	22	40	40	170
Fluoride	µg/l	50	ISO 17025	310	220	230	360	360
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	39	< 15	23	< 15	94
Ammoniacal Nitrogen as NH3	µg/l	15	ISO 17025	48	< 15	28	< 15	110
Ammoniacal Nitrogen as NH4	µg/l	15	ISO 17025	50	< 15	29	< 15	120
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	3	2.14	1.37	1.19	3.74
Nitrate as N	mg/l	0.01	ISO 17025	0.08	4.55	13.5	12	0.15
Nitrate as NO3	mg/l	0.05	ISO 17025	0.35	20.2	59.9	52.9	0.66
Nitrite as N	µg/l	1	ISO 17025	1.6	100	11	75	2.8
Nitrite as NO2	µg/l	5	ISO 17025	5.3	340	35	240	9.2
Hardness - Total	mgCaCO3/l	1	ISO 17025	444	452	396	415	531
Bromate by IC	mg/l	0.002	ISO 17025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total Phenols								
Total Phenols (monohydric)	µg/l	1	ISO 17025	1.8	1.8	1.7	1.4	1.4
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAH Sums								
Sum of Benzo(b)fluoranthene & Benzo(k)fluoranthene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.04	NONE	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16

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Lab Sample Number				2430416	2430417	2430418	2430419	2430420
Sample Reference				WS207	WS208	WS209	WS210	WS211
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	15/09/2022	14/09/2022	14/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Boron (dissolved)	µg/l	10	ISO 17025	38	56	47	48	50
Calcium (dissolved)	mg/l	0.012	ISO 17025	170	170	150	160	200
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Iron (dissolved)	mg/l	0.004	ISO 17025	0.008	0.008	0.15	< 0.004	0.019
Iron (dissolved)	µg/l	4	ISO 17025	7.6	8.3	150	< 4.0	19
Magnesium (dissolved)	mg/l	0.005	ISO 17025	3.5	4.4	4	4.1	9.7
Sodium (dissolved)	mg/l	0.01	ISO 17025	18	16	21	31	130
Aluminium (dissolved)	µg/l	1	ISO 17025	3.3	4.7	< 1.0	1.7	12
Antimony (dissolved)	µg/l	0.4	ISO 17025	1.3	0.6	< 0.4	0.5	0.5
Arsenic (dissolved)	µg/l	0.15	ISO 17025	1.73	0.24	0.27	< 0.15	0.93
Barium (dissolved)	µg/l	0.06	ISO 17025	34	24	19	19	160
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	< 0.02	< 0.02	< 0.02	0.02
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	0.2	< 0.2
Cobalt (dissolved)	µg/l	0.2	ISO 17025	0.8	< 0.2	0.3	0.3	0.4
Copper (dissolved)	µg/l	0.5	ISO 17025	0.6	1.2	2.9	0.6	1.6
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	98	9.6	11	1.3	600
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	3.5	2.2	0.7	0.8	5.6
Selenium (dissolved)	µg/l	0.6	ISO 17025	1.5	< 0.6	< 0.6	1.1	1
Silver (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tin (dissolved)	µg/l	0.2	ISO 17025	< 0.20	0.23	< 0.20	< 0.20	< 0.20
Vanadium (dissolved)	µg/l	0.2	ISO 17025	1.3	< 0.2	< 0.2	< 0.2	0.5
Zinc (dissolved)	µg/l	0.5	ISO 17025	3.7	1.4	1.2	2	1.3
Monoaromatics & Oxygenates								
Benzene	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
Toluene	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
p & m-xylene	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
o-xylene	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
Sum of m, p & o-Xylene	µg/l	2	ISO 17025	-	< 2.0	-	-	< 2.0

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Lab Sample Number				2430416	2430417	2430418	2430419	2430420
Sample Reference				WS207	WS208	WS209	WS210	WS211
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	15/09/2022	14/09/2022	14/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
TPH-CWG - Aliphatic >C6 - C8 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
TPH-CWG - Aliphatic >C8 - C10 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
TPH-CWG - Aliphatic >C10 - C12 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aliphatic >C12 - C16 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aliphatic >C16 - C21 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aliphatic >C21 - C35 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aliphatic >C16 - C35 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aliphatic >C35 - C44 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aliphatic (C5 - C35) $_{HS+EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aliphatic (C5 - C44) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aromatic >C5 - C7 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
TPH-CWG - Aromatic >C7 - C8 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
TPH-CWG - Aromatic >C8 - C10 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	-	< 1.0	-	-	< 1.0
TPH-CWG - Aromatic >C10 - C12 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aromatic >C12 - C16 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aromatic >C16 - C21 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aromatic >C21 - C35 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aromatic >C35 - C44 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aromatic (C5 - C35) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG - Aromatic (C5 - C44) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
TPH-CWG Total C5 - C44 $_{EH+HS\_1D\_TOTAL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	-	-	< 10
VOCs								
Chloromethane	µg/l	1	ISO 17025	-	-	-	-	-
Chloroethane	µg/l	1	ISO 17025	-	-	-	-	-
Bromomethane	µg/l	1	ISO 17025	-	-	-	-	-
Vinyl Chloride	µg/l	1	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/l	1	NONE	-	-	-	-	-
1,1-Dichloroethene	µg/l	1	ISO 17025	-	-	-	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	-	-	-	-	-
1,1-Dichloroethane	µg/l	1	ISO 17025	-	-	-	-	-
2,2-Dichloropropane	µg/l	1	ISO 17025	-	-	-	-	-
Trichloromethane	µg/l	1	ISO 17025	-	-	-	-	-
1,1,1-Trichloroethane	µg/l	1	ISO 17025	-	-	-	-	-
1,2-Dichloroethane	µg/l	1	ISO 17025	-	-	-	-	-
1,1-Dichloropropene	µg/l	1	ISO 17025	-	-	-	-	-
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	-	-	-	-	-
Benzene	µg/l	1	ISO 17025	-	-	-	-	-
Tetrachloromethane	µg/l	1	ISO 17025	-	-	-	-	-
1,2-Dichloropropane	µg/l	1	ISO 17025	-	-	-	-	-
Trichloroethene	µg/l	1	ISO 17025	-	-	-	-	-
Dibromomethane	µg/l	1	ISO 17025	-	-	-	-	-
Bromodichloromethane	µg/l	1	ISO 17025	-	-	-	-	-
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	-	-	-	-	-
Toluene	µg/l	1	ISO 17025	-	-	-	-	-
1,1,2-Trichloroethane	µg/l	1	ISO 17025	-	-	-	-	-

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Lab Sample Number				2430416	2430417	2430418	2430419	2430420
Sample Reference				WS207	WS208	WS209	WS210	WS211
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	15/09/2022	14/09/2022	14/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
1,3-Dichloropropane	µg/l	1	ISO 17025	-	-	-	-	-
Dibromochloromethane	µg/l	1	ISO 17025	-	-	-	-	-
Tetrachloroethene	µg/l	1	ISO 17025	-	-	-	-	-
1,2-Dibromoethane	µg/l	1	ISO 17025	-	-	-	-	-
Chlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	-	-	-	-	-
Ethylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
p & m-Xylene	µg/l	1	ISO 17025	-	-	-	-	-
Styrene	µg/l	1	ISO 17025	-	-	-	-	-
Tribromomethane	µg/l	1	ISO 17025	-	-	-	-	-
o-Xylene	µg/l	1	ISO 17025	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	-	-	-	-	-
Isopropylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
Bromobenzene	µg/l	1	ISO 17025	-	-	-	-	-
n-Propylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
2-Chlorotoluene	µg/l	1	ISO 17025	-	-	-	-	-
4-Chlorotoluene	µg/l	1	ISO 17025	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
tert-Butylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
sec-Butylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
1,3-Dichlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	µg/l	1	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
1,4-Dichlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
Butylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
Hexachlorobutadiene	µg/l	1	ISO 17025	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
Dichloromethane	µg/l	3	NONE	-	-	-	-	-
Dichlorodifluoromethane	µg/l	1	NONE	-	-	-	-	-
Total Trihalomethanes	µg/l	4	NONE	-	-	-	-	-
Total Trichlorobenzenes	ug/l	3	NONE	-	-	-	-	-
Total Dichlorobenzenes	ug/l	3	NONE	-	-	-	-	-
Trichloroethylene (TCE) + Tetrachloroethylene (PCE)	ug/l	2	NONE	-	-	-	-	-
Total 1,2-Dichloroethene	ug/l	2	NONE	-	-	-	-	-
Total 1,3-Dichloropropane	ug/l	2	NONE	-	-	-	-	-
Tetrachloroethane	ug/l	2	NONE	-	-	-	-	-

SVOCs

Aniline	µg/l	0.05	NONE	-	-	-	-	-
Phenol	µg/l	0.05	NONE	-	-	-	-	-
2-Chlorophenol	µg/l	0.05	NONE	-	-	-	-	-
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	-	-	-	-	-
1,3-Dichlorobenzene	µg/l	0.05	NONE	-	-	-	-	-
1,2-Dichlorobenzene	µg/l	0.05	NONE	-	-	-	-	-
1,4-Dichlorobenzene	µg/l	0.05	NONE	-	-	-	-	-
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	-	-	-	-	-
2-Methylphenol	µg/l	0.05	NONE	-	-	-	-	-
Hexachloroethane	µg/l	0.05	NONE	-	-	-	-	-
Nitrobenzene	µg/l	0.05	NONE	-	-	-	-	-

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Project / Site name: Begbroke

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Lab Sample Number				2430416	2430417	2430418	2430419	2430420
Sample Reference				WS207	WS208	WS209	WS210	WS211
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	15/09/2022	14/09/2022	14/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
4-Methylphenol	µg/l	0.05	NONE	-	-	-	-	-
Isophorone	µg/l	0.05	NONE	-	-	-	-	-
2-Nitrophenol	µg/l	0.05	NONE	-	-	-	-	-
2,4-Dimethylphenol	µg/l	0.05	NONE	-	-	-	-	-
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	-	-	-	-	-
Naphthalene	µg/l	0.01	ISO 17025	-	-	-	-	-
2,4-Dichlorophenol	µg/l	0.05	NONE	-	-	-	-	-
4-Chloroaniline	µg/l	0.05	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/l	0.05	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	µg/l	0.05	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	µg/l	0.05	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	µg/l	0.05	NONE	-	-	-	-	-
2-Methylnaphthalene	µg/l	0.05	NONE	-	-	-	-	-
2-Chloronaphthalene	µg/l	0.05	NONE	-	-	-	-	-
Dimethylphthalate	µg/l	0.05	NONE	-	-	-	-	-
2,6-Dinitrotoluene	µg/l	0.05	NONE	-	-	-	-	-
Acenaphthylene	µg/l	0.01	ISO 17025	-	-	-	-	-
Acenaphthene	µg/l	0.01	ISO 17025	-	-	-	-	-
2,4-Dinitrotoluene	µg/l	0.05	NONE	-	-	-	-	-
Dibenzofuran	µg/l	0.05	NONE	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	-	-	-	-	-
Diethyl phthalate	µg/l	0.05	NONE	-	-	-	-	-
4-Nitroaniline	µg/l	0.05	NONE	-	-	-	-	-
Fluorene	µg/l	0.01	ISO 17025	-	-	-	-	-
Azobenzene	µg/l	0.05	NONE	-	-	-	-	-
Bromophenyl phenyl ether	µg/l	0.05	NONE	-	-	-	-	-
Hexachlorobenzene	µg/l	0.05	NONE	-	-	-	-	-
Phenanthrene	µg/l	0.01	ISO 17025	-	-	-	-	-
Anthracene	µg/l	0.01	ISO 17025	-	-	-	-	-
Carbazole	µg/l	0.05	NONE	-	-	-	-	-
Dibutyl phthalate	µg/l	0.05	NONE	-	-	-	-	-
Anthraquinone	µg/l	0.05	NONE	-	-	-	-	-
Fluoranthene	µg/l	0.01	ISO 17025	-	-	-	-	-
Pyrene	µg/l	0.01	ISO 17025	-	-	-	-	-
Butyl benzyl phthalate	µg/l	0.05	NONE	-	-	-	-	-
Benzo(a)anthracene	µg/l	0.01	ISO 17025	-	-	-	-	-
Chrysene	µg/l	0.01	ISO 17025	-	-	-	-	-
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	-	-	-	-	-
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	-	-	-	-	-
Benzo(a)pyrene	µg/l	0.01	ISO 17025	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	-	-	-	-	-
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	-	-	-	-	-
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	-	-	-	-	-

3&4-Methylphenol	µg/l	0.1	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Lab Sample Number				2430421	2430422	2430423	2430424	2430425
Sample Reference				WS215	WS216	WS220	WS232	WS233
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	15/09/2022	15/09/2022	15/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	7.3	7.3	7.4	7.4	7.3
Electrical Conductivity at 20 °C	µS/cm	10	ISO 17025	720	840	630	790	830
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sulphate as SO4	µg/l	45	ISO 17025	56800	31600	55300	163000	176000
Chloride	mg/l	0.15	ISO 17025	34	57	25	31	30
Fluoride	µg/l	50	ISO 17025	390	360	330	350	290
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	< 15	< 15	< 15	< 15	< 15
Ammoniacal Nitrogen as NH3	µg/l	15	ISO 17025	< 15	< 15	< 15	< 15	< 15
Ammoniacal Nitrogen as NH4	µg/l	15	ISO 17025	< 15	< 15	< 15	< 15	< 15
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	1.8	1.58	1.05	1.75	1.67
Nitrate as N	mg/l	0.01	ISO 17025	3.67	29	12.4	7.52	6.32
Nitrate as NO3	mg/l	0.05	ISO 17025	16.3	128	54.9	33.3	28
Nitrite as N	µg/l	1	ISO 17025	50	150	3.8	240	180
Nitrite as NO2	µg/l	5	ISO 17025	170	490	13	780	580
Hardness - Total	mgCaCO3/l	1	ISO 17025	424	459	369	497	465
Bromate by IC	mg/l	0.002	ISO 17025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total Phenols								
Total Phenols (monohydric)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	3.2	2
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAH Sums								
Sum of Benzo(b)fluoranthene & Benzo(k)fluoranthene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.04	NONE	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16

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Lab Sample Number				2430421	2430422	2430423	2430424	2430425
Sample Reference				WS215	WS216	WS220	WS232	WS233
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	15/09/2022	15/09/2022	15/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Boron (dissolved)	µg/l	10	ISO 17025	36	30	25	29	35
Calcium (dissolved)	mg/l	0.012	ISO 17025	170	180	140	190	180
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Iron (dissolved)	mg/l	0.004	ISO 17025	0.022	0.033	0.028	0.018	0.033
Iron (dissolved)	µg/l	4	ISO 17025	22	33	28	18	33
Magnesium (dissolved)	mg/l	0.005	ISO 17025	2.8	4.5	3.3	3.9	4.7
Sodium (dissolved)	mg/l	0.01	ISO 17025	16	19	12	17	34
Aluminium (dissolved)	µg/l	1	ISO 17025	19	5.6	9.9	12	4.9
Antimony (dissolved)	µg/l	0.4	ISO 17025	0.5	0.7	0.5	0.6	0.7
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.24	0.19	0.18	0.4	0.2
Barium (dissolved)	µg/l	0.06	ISO 17025	19	19	19	17	19
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	< 0.02	< 0.02	0.02	< 0.02
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	0.3	0.8	0.2	< 0.2
Cobalt (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	0.6	1	< 0.5	0.7	0.6
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	1.4	2.8	1	1.6	1.7
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.9	1.1	< 0.5	1.4	< 0.5
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6	< 0.6	1.7	10
Silver (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tin (dissolved)	µg/l	0.2	ISO 17025	< 0.20	< 0.20	< 0.20	< 0.20	0.28
Vanadium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	0.3	< 0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025	1	1	0.7	1.2	1.3
Monoaromatics & Oxygenates								
Benzene	µg/l	1	ISO 17025	-	-	< 1.0	-	-
Toluene	µg/l	1	ISO 17025	-	-	< 1.0	-	-
Ethylbenzene	µg/l	1	ISO 17025	-	-	< 1.0	-	-
p & m-xylene	µg/l	1	ISO 17025	-	-	< 1.0	-	-
o-xylene	µg/l	1	ISO 17025	-	-	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	-	-	< 1.0	-	-
Sum of m, p & o-Xylene	µg/l	2	ISO 17025	-	-	< 2.0	-	-

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Lab Sample Number				2430421	2430422	2430423	2430424	2430425
Sample Reference				WS215	WS216	WS220	WS232	WS233
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	15/09/2022	15/09/2022	15/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	-	-	< 1.0	-	-
TPH-CWG - Aliphatic >C6 - C8 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	-	-	< 1.0	-	-
TPH-CWG - Aliphatic >C8 - C10 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	-	-	< 1.0	-	-
TPH-CWG - Aliphatic >C10 - C12 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aliphatic >C12 - C16 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aliphatic >C16 - C21 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aliphatic >C21 - C35 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aliphatic >C16 - C35 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aliphatic >C35 - C44 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aliphatic (C5 - C35) $_{HS+EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aliphatic (C5 - C44) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aromatic >C5 - C7 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	-	-	< 1.0	-	-
TPH-CWG - Aromatic >C7 - C8 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	-	-	< 1.0	-	-
TPH-CWG - Aromatic >C8 - C10 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	-	-	< 1.0	-	-
TPH-CWG - Aromatic >C10 - C12 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aromatic >C12 - C16 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aromatic >C16 - C21 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aromatic >C21 - C35 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aromatic >C35 - C44 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aromatic (C5 - C35) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG - Aromatic (C5 - C44) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
TPH-CWG Total C5 - C44 $_{EH+HS\_1D\_TOTAL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	-	< 10	-	-
VOCs								
Chloromethane	µg/l	1	ISO 17025	-	-	-	-	-
Chloroethane	µg/l	1	ISO 17025	-	-	-	-	-
Bromomethane	µg/l	1	ISO 17025	-	-	-	-	-
Vinyl Chloride	µg/l	1	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/l	1	NONE	-	-	-	-	-
1,1-Dichloroethene	µg/l	1	ISO 17025	-	-	-	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	-	-	-	-	-
1,1-Dichloroethane	µg/l	1	ISO 17025	-	-	-	-	-
2,2-Dichloropropane	µg/l	1	ISO 17025	-	-	-	-	-
Trichloromethane	µg/l	1	ISO 17025	-	-	-	-	-
1,1,1-Trichloroethane	µg/l	1	ISO 17025	-	-	-	-	-
1,2-Dichloroethane	µg/l	1	ISO 17025	-	-	-	-	-
1,1-Dichloropropene	µg/l	1	ISO 17025	-	-	-	-	-
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	-	-	-	-	-
Benzene	µg/l	1	ISO 17025	-	-	-	-	-
Tetrachloromethane	µg/l	1	ISO 17025	-	-	-	-	-
1,2-Dichloropropane	µg/l	1	ISO 17025	-	-	-	-	-
Trichloroethene	µg/l	1	ISO 17025	-	-	-	-	-
Dibromomethane	µg/l	1	ISO 17025	-	-	-	-	-
Bromodichloromethane	µg/l	1	ISO 17025	-	-	-	-	-
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	-	-	-	-	-
Toluene	µg/l	1	ISO 17025	-	-	-	-	-
1,1,2-Trichloroethane	µg/l	1	ISO 17025	-	-	-	-	-

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Lab Sample Number				2430421	2430422	2430423	2430424	2430425
Sample Reference				WS215	WS216	WS220	WS232	WS233
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	15/09/2022	15/09/2022	15/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
1,3-Dichloropropane	µg/l	1	ISO 17025	-	-	-	-	-
Dibromochloromethane	µg/l	1	ISO 17025	-	-	-	-	-
Tetrachloroethene	µg/l	1	ISO 17025	-	-	-	-	-
1,2-Dibromoethane	µg/l	1	ISO 17025	-	-	-	-	-
Chlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	-	-	-	-	-
Ethylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
p & m-Xylene	µg/l	1	ISO 17025	-	-	-	-	-
Styrene	µg/l	1	ISO 17025	-	-	-	-	-
Tribromomethane	µg/l	1	ISO 17025	-	-	-	-	-
o-Xylene	µg/l	1	ISO 17025	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	-	-	-	-	-
Isopropylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
Bromobenzene	µg/l	1	ISO 17025	-	-	-	-	-
n-Propylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
2-Chlorotoluene	µg/l	1	ISO 17025	-	-	-	-	-
4-Chlorotoluene	µg/l	1	ISO 17025	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
tert-Butylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
sec-Butylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
1,3-Dichlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	µg/l	1	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
1,4-Dichlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
Butylbenzene	µg/l	1	ISO 17025	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-
Hexachlorobutadiene	µg/l	1	ISO 17025	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	-	-	-	-	-

Dichloromethane	µg/l	3	NONE	-	-	-	-	-
Dichlorodifluoromethane	µg/l	1	NONE	-	-	-	-	-
Total Trihalomethanes	µg/l	4	NONE	-	-	-	-	-
Total Trichlorobenzenes	ug/l	3	NONE	-	-	-	-	-
Total Dichlorobenzenes	ug/l	3	NONE	-	-	-	-	-
Trichloroethylene (TCE) + Tetrachloroethylene (PCE)	ug/l	2	NONE	-	-	-	-	-
Total 1,2-Dichloroethene	ug/l	2	NONE	-	-	-	-	-
Total 1,3-Dichloropropane	ug/l	2	NONE	-	-	-	-	-
Tetrachloroethane	ug/l	2	NONE	-	-	-	-	-

SVOCs

Aniline	µg/l	0.05	NONE	-	-	-	-	-
Phenol	µg/l	0.05	NONE	-	-	-	-	-
2-Chlorophenol	µg/l	0.05	NONE	-	-	-	-	-
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	-	-	-	-	-
1,3-Dichlorobenzene	µg/l	0.05	NONE	-	-	-	-	-
1,2-Dichlorobenzene	µg/l	0.05	NONE	-	-	-	-	-
1,4-Dichlorobenzene	µg/l	0.05	NONE	-	-	-	-	-
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	-	-	-	-	-
2-Methylphenol	µg/l	0.05	NONE	-	-	-	-	-
Hexachloroethane	µg/l	0.05	NONE	-	-	-	-	-
Nitrobenzene	µg/l	0.05	NONE	-	-	-	-	-

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Project / Site name: Begbroke

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Lab Sample Number				2430421	2430422	2430423	2430424	2430425
Sample Reference				WS215	WS216	WS220	WS232	WS233
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	15/09/2022	15/09/2022	15/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
4-Methylphenol	µg/l	0.05	NONE	-	-	-	-	-
Isophorone	µg/l	0.05	NONE	-	-	-	-	-
2-Nitrophenol	µg/l	0.05	NONE	-	-	-	-	-
2,4-Dimethylphenol	µg/l	0.05	NONE	-	-	-	-	-
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	-	-	-	-	-
Naphthalene	µg/l	0.01	ISO 17025	-	-	-	-	-
2,4-Dichlorophenol	µg/l	0.05	NONE	-	-	-	-	-
4-Chloroaniline	µg/l	0.05	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/l	0.05	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	µg/l	0.05	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	µg/l	0.05	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	µg/l	0.05	NONE	-	-	-	-	-
2-Methylnaphthalene	µg/l	0.05	NONE	-	-	-	-	-
2-Chloronaphthalene	µg/l	0.05	NONE	-	-	-	-	-
Dimethylphthalate	µg/l	0.05	NONE	-	-	-	-	-
2,6-Dinitrotoluene	µg/l	0.05	NONE	-	-	-	-	-
Acenaphthylene	µg/l	0.01	ISO 17025	-	-	-	-	-
Acenaphthene	µg/l	0.01	ISO 17025	-	-	-	-	-
2,4-Dinitrotoluene	µg/l	0.05	NONE	-	-	-	-	-
Dibenzofuran	µg/l	0.05	NONE	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	-	-	-	-	-
Diethyl phthalate	µg/l	0.05	NONE	-	-	-	-	-
4-Nitroaniline	µg/l	0.05	NONE	-	-	-	-	-
Fluorene	µg/l	0.01	ISO 17025	-	-	-	-	-
Azobenzene	µg/l	0.05	NONE	-	-	-	-	-
Bromophenyl phenyl ether	µg/l	0.05	NONE	-	-	-	-	-
Hexachlorobenzene	µg/l	0.05	NONE	-	-	-	-	-
Phenanthrene	µg/l	0.01	ISO 17025	-	-	-	-	-
Anthracene	µg/l	0.01	ISO 17025	-	-	-	-	-
Carbazole	µg/l	0.05	NONE	-	-	-	-	-
Dibutyl phthalate	µg/l	0.05	NONE	-	-	-	-	-
Anthraquinone	µg/l	0.05	NONE	-	-	-	-	-
Fluoranthene	µg/l	0.01	ISO 17025	-	-	-	-	-
Pyrene	µg/l	0.01	ISO 17025	-	-	-	-	-
Butyl benzyl phthalate	µg/l	0.05	NONE	-	-	-	-	-
Benzo(a)anthracene	µg/l	0.01	ISO 17025	-	-	-	-	-
Chrysene	µg/l	0.01	ISO 17025	-	-	-	-	-
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	-	-	-	-	-
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	-	-	-	-	-
Benzo(a)pyrene	µg/l	0.01	ISO 17025	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	-	-	-	-	-
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	-	-	-	-	-
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	-	-	-	-	-

3&4-Methylphenol	µg/l	0.1	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Project / Site name: Begbroke

Your Order No: PO20129

Lab Sample Number				2430426	2430427	2430428	2430429	2430430
Sample Reference				WS234	WS238	WS239	WS241	WS245
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	15/09/2022	15/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	7.4	7.3	7.4	7.4	7.3
Electrical Conductivity at 20 °C	µS/cm	10	ISO 17025	690	910	670	760	830
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sulphate as SO4	µg/l	45	ISO 17025	69700	153000	69800	58500	161000
Chloride	mg/l	0.15	ISO 17025	38	70	24	55	44
Fluoride	µg/l	50	ISO 17025	390	380	220	300	270
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	< 15	< 15	< 15	20	18
Ammoniacal Nitrogen as NH3	µg/l	15	ISO 17025	< 15	< 15	< 15	25	21
Ammoniacal Nitrogen as NH4	µg/l	15	ISO 17025	< 15	< 15	< 15	26	23
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	3.28	4.74	1.22	2.66	2.43
Nitrate as N	mg/l	0.01	ISO 17025	0.33	0.13	11	0.57	0.73
Nitrate as NO3	mg/l	0.05	ISO 17025	1.46	0.56	48.6	2.53	3.23
Nitrite as N	µg/l	1	ISO 17025	160	10	66	20	250
Nitrite as NO2	µg/l	5	ISO 17025	530	33	220	65	810
Hardness - Total	mgCaCO3/l	1	ISO 17025	389	507	399	369	500
Bromate by IC	mg/l	0.002	ISO 17025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total Phenols								
Total Phenols (monohydric)	µg/l	1	ISO 17025	1.7	2.2	2.5	2.6	2
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAH Sums								
Sum of Benzo(b)fluoranthene & Benzo(k)fluoranthene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.04	NONE	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16

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Lab Sample Number				2430426	2430427	2430428	2430429	2430430
Sample Reference				WS234	WS238	WS239	WS241	WS245
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	15/09/2022	15/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Boron (dissolved)	µg/l	10	ISO 17025	49	230	45	82	73
Calcium (dissolved)	mg/l	0.012	ISO 17025	150	180	150	140	190
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Iron (dissolved)	mg/l	0.004	ISO 17025	0.03	0.006	0.033	0.016	0.037
Iron (dissolved)	µg/l	4	ISO 17025	30	6.5	33	16	37
Magnesium (dissolved)	mg/l	0.005	ISO 17025	3.6	12	3.3	6.5	4.8
Sodium (dissolved)	mg/l	0.01	ISO 17025	25	33	12	38	29
Aluminium (dissolved)	µg/l	1	ISO 17025	5.9	17	15	5.2	8.6
Antimony (dissolved)	µg/l	0.4	ISO 17025	3.8	2.8	0.5	0.6	0.6
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.29	0.49	0.18	0.59	0.79
Barium (dissolved)	µg/l	0.06	ISO 17025	47	37	19	30	200
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.04	0.05	< 0.02	0.02	< 0.02
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	0.3	< 0.2	< 0.2
Cobalt (dissolved)	µg/l	0.2	ISO 17025	< 0.2	0.6	< 0.2	< 0.2	0.9
Copper (dissolved)	µg/l	0.5	ISO 17025	1.1	1	1	1.5	0.5
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	32	360	3.7	1.5	800
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.1	7	0.5	2.4	4.4
Selenium (dissolved)	µg/l	0.6	ISO 17025	1.6	1.2	0.8	< 0.6	< 0.6
Silver (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tin (dissolved)	µg/l	0.2	ISO 17025	0.2	< 0.20	< 0.20	< 0.20	< 0.20
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.3	< 0.2	< 0.2	0.4	0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025	2.1	1.9	1.7	1.1	1.6
Monoaromatics & Oxygenates								
Benzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
Toluene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
Ethylbenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
p & m-xylene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
o-xylene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
Sum of m, p & o-Xylene	µg/l	2	ISO 17025	-	< 2.0	< 2.0	-	-

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Lab Sample Number				2430426	2430427	2430428	2430429	2430430
Sample Reference				WS234	WS238	WS239	WS241	WS245
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	15/09/2022	15/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
TPH-CWG - Aliphatic >C6 - C8 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
TPH-CWG - Aliphatic >C8 - C10 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
TPH-CWG - Aliphatic >C10 - C12 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aliphatic >C12 - C16 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aliphatic >C16 - C21 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aliphatic >C21 - C35 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aliphatic >C16 - C35 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aliphatic >C35 - C44 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aliphatic (C5 - C35) $_{HS+EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aliphatic (C5 - C44) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aromatic >C5 - C7 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
TPH-CWG - Aromatic >C7 - C8 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
TPH-CWG - Aromatic >C8 - C10 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	-	< 1.0	< 1.0	-	-
TPH-CWG - Aromatic >C10 - C12 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aromatic >C12 - C16 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aromatic >C16 - C21 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aromatic >C21 - C35 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aromatic >C35 - C44 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aromatic (C5 - C35) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG - Aromatic (C5 - C44) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
TPH-CWG Total C5 - C44 $_{EH+HS\_1D\_TOTAL\_\#1\_\#2\_MS}$	µg/l	10	NONE	-	< 10	< 10	-	-
VOCs								
Chloromethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Chloroethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Bromomethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Vinyl Chloride	µg/l	1	NONE	-	< 1.0	-	-	-
Trichlorofluoromethane	µg/l	1	NONE	-	< 1.0	-	-	-
1,1-Dichloroethene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,1-Dichloroethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
2,2-Dichloropropane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Trichloromethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,1,1-Trichloroethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,2-Dichloroethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,1-Dichloropropene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Benzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Tetrachloromethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,2-Dichloropropane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Trichloroethene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Dibromomethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Bromodichloromethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Toluene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,1,2-Trichloroethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-

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Lab Sample Number				2430426	2430427	2430428	2430429	2430430
Sample Reference				WS234	WS238	WS239	WS241	WS245
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	15/09/2022	15/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
1,3-Dichloropropane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Dibromochloromethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Tetrachloroethene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,2-Dibromoethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Chlorobenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Ethylbenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
p & m-Xylene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Styrene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Tribromomethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
o-Xylene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Isopropylbenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Bromobenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
n-Propylbenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
2-Chlorotoluene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
4-Chlorotoluene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
tert-Butylbenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
sec-Butylbenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,3-Dichlorobenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
p-Isopropyltoluene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,2-Dichlorobenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,4-Dichlorobenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Butylbenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
Hexachlorobutadiene	µg/l	1	ISO 17025	-	< 1.0	-	-	-
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	-	< 1.0	-	-	-

Dichloromethane	µg/l	3	NONE	-	< 3.0	-	-	-
Dichlorodifluoromethane	µg/l	1	NONE	-	< 1.0	-	-	-
Total Trihalomethanes	µg/l	4	NONE	-	< 4.0	-	-	-
Total Trichlorobenzenes	ug/l	3	NONE	-	< 3.0	-	-	-
Total Dichlorobenzenes	ug/l	3	NONE	-	< 3.0	-	-	-
Trichloroethylene (TCE) + Tetrachloroethylene (PCE)	ug/l	2	NONE	-	< 2.0	-	-	-
Total 1,2-Dichloroethene	ug/l	2	NONE	-	< 2.0	-	-	-
Total 1,3-Dichloropropane	ug/l	2	NONE	-	< 2.0	-	-	-
Tetrachloroethane	ug/l	2	NONE	-	< 2.0	-	-	-

SVOCs

Aniline	µg/l	0.05	NONE	-	< 0.05	-	-	-
Phenol	µg/l	0.05	NONE	-	< 0.05	-	-	-
2-Chlorophenol	µg/l	0.05	NONE	-	< 0.05	-	-	-
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	-	< 0.05	-	-	-
1,3-Dichlorobenzene	µg/l	0.05	NONE	-	< 0.05	-	-	-
1,2-Dichlorobenzene	µg/l	0.05	NONE	-	< 0.05	-	-	-
1,4-Dichlorobenzene	µg/l	0.05	NONE	-	< 0.05	-	-	-
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	-	< 0.05	-	-	-
2-Methylphenol	µg/l	0.05	NONE	-	< 0.05	-	-	-
Hexachloroethane	µg/l	0.05	NONE	-	< 0.05	-	-	-
Nitrobenzene	µg/l	0.05	NONE	-	< 0.05	-	-	-

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Project / Site name: Begbroke

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Lab Sample Number				2430426	2430427	2430428	2430429	2430430
Sample Reference				WS234	WS238	WS239	WS241	WS245
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				15/09/2022	14/09/2022	15/09/2022	15/09/2022	14/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
4-Methylphenol	µg/l	0.05	NONE	-	< 0.05	-	-	-
Isophorone	µg/l	0.05	NONE	-	< 0.05	-	-	-
2-Nitrophenol	µg/l	0.05	NONE	-	< 0.05	-	-	-
2,4-Dimethylphenol	µg/l	0.05	NONE	-	< 0.05	-	-	-
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	-	< 0.05	-	-	-
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	-	< 0.05	-	-	-
Naphthalene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
2,4-Dichlorophenol	µg/l	0.05	NONE	-	< 0.05	-	-	-
4-Chloroaniline	µg/l	0.05	NONE	-	< 0.05	-	-	-
Hexachlorobutadiene	µg/l	0.05	NONE	-	< 0.05	-	-	-
4-Chloro-3-methylphenol	µg/l	0.05	NONE	-	< 0.05	-	-	-
2,4,6-Trichlorophenol	µg/l	0.05	NONE	-	< 0.05	-	-	-
2,4,5-Trichlorophenol	µg/l	0.05	NONE	-	< 0.05	-	-	-
2-Methylnaphthalene	µg/l	0.05	NONE	-	< 0.05	-	-	-
2-Chloronaphthalene	µg/l	0.05	NONE	-	< 0.05	-	-	-
Dimethylphthalate	µg/l	0.05	NONE	-	< 0.05	-	-	-
2,6-Dinitrotoluene	µg/l	0.05	NONE	-	< 0.05	-	-	-
Acenaphthylene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Acenaphthene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
2,4-Dinitrotoluene	µg/l	0.05	NONE	-	< 0.05	-	-	-
Dibenzofuran	µg/l	0.05	NONE	-	< 0.05	-	-	-
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	-	< 0.05	-	-	-
Diethyl phthalate	µg/l	0.05	NONE	-	< 0.05	-	-	-
4-Nitroaniline	µg/l	0.05	NONE	-	< 0.05	-	-	-
Fluorene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Azobenzene	µg/l	0.05	NONE	-	< 0.05	-	-	-
Bromophenyl phenyl ether	µg/l	0.05	NONE	-	< 0.05	-	-	-
Hexachlorobenzene	µg/l	0.05	NONE	-	< 0.05	-	-	-
Phenanthrene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Anthracene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Carbazole	µg/l	0.05	NONE	-	< 0.05	-	-	-
Dibutyl phthalate	µg/l	0.05	NONE	-	< 0.05	-	-	-
Anthraquinone	µg/l	0.05	NONE	-	< 0.05	-	-	-
Fluoranthene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Pyrene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Butyl benzyl phthalate	µg/l	0.05	NONE	-	< 0.05	-	-	-
Benzo(a)anthracene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Chrysene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Benzo(a)pyrene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	-	< 0.01	-	-	-

3&4-Methylphenol	µg/l	0.1	NONE	-	< 0.10	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Project / Site name: Begbroke

Your Order No: PO20129

Lab Sample Number				2430431	2430432
Sample Reference				WS251	WS252
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				15/09/2022	15/09/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
General Inorganics					
pH	pH Units	N/A	ISO 17025	7.4	7.5
Electrical Conductivity at 20 °C	µS/cm	10	ISO 17025	950	890
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0
Sulphate as SO4	µg/l	45	ISO 17025	183000	149000
Chloride	mg/l	0.15	ISO 17025	86	77
Fluoride	µg/l	50	ISO 17025	360	380
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	180	1200
Ammoniacal Nitrogen as NH3	µg/l	15	ISO 17025	220	1400
Ammoniacal Nitrogen as NH4	µg/l	15	ISO 17025	230	1500
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	3.52	3.88
Nitrate as N	mg/l	0.01	ISO 17025	0.07	0.08
Nitrate as NO3	mg/l	0.05	ISO 17025	0.3	0.35
Nitrite as N	µg/l	1	ISO 17025	12	27
Nitrite as NO2	µg/l	5	ISO 17025	39	88
Hardness - Total	mgCaCO3/l	1	ISO 17025	442	417
Bromate by IC	mg/l	0.002	ISO 17025	< 0.002	< 0.002
Total Phenols					
Total Phenols (monohydric)	µg/l	1	ISO 17025	1.1	1.6
Speciated PAHs					
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.001	NONE	< 0.001	< 0.001
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
PAH Sums					
Sum of Benzo(b)fluoranthene & Benzo(k)fluoranthene	µg/l	0.02	NONE	< 0.020	< 0.020
Sum of Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.02	NONE	< 0.020	< 0.020
Sum of Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.04	NONE	< 0.040	< 0.040
Total PAH					
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16

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Lab Sample Number				2430431	2430432
Sample Reference				WS251	WS252
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				15/09/2022	15/09/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
Heavy Metals / Metalloids					
Boron (dissolved)	µg/l	10	ISO 17025	82	170
Calcium (dissolved)	mg/l	0.012	ISO 17025	170	160
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0
Chromium (III)	µg/l	5	NONE	< 5.0	< 5.0
Iron (dissolved)	mg/l	0.004	ISO 17025	< 0.004	0.025
Iron (dissolved)	µg/l	4	ISO 17025	< 4.0	25
Magnesium (dissolved)	mg/l	0.005	ISO 17025	6.9	7
Sodium (dissolved)	mg/l	0.01	ISO 17025	72	60
Aluminium (dissolved)	µg/l	1	ISO 17025	1.3	15
Antimony (dissolved)	µg/l	0.4	ISO 17025	0.5	1.1
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.45	0.46
Barium (dissolved)	µg/l	0.06	ISO 17025	46	74
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.04	0.06
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2
Cobalt (dissolved)	µg/l	0.2	ISO 17025	0.8	0.7
Copper (dissolved)	µg/l	0.5	ISO 17025	1.3	3.6
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	510	140
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	4.3	5.2
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	0.7
Silver (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05
Tin (dissolved)	µg/l	0.2	ISO 17025	< 0.20	< 0.20
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.6	0.4
Zinc (dissolved)	µg/l	0.5	ISO 17025	1.8	6.5
Monoaromatics & Oxygenates					
Benzene	µg/l	1	ISO 17025	< 1.0	-
Toluene	µg/l	1	ISO 17025	< 1.0	-
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	-
p & m-xylene	µg/l	1	ISO 17025	< 1.0	-
o-xylene	µg/l	1	ISO 17025	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	-
Sum of m, p & o-Xylene	µg/l	2	ISO 17025	< 2.0	-

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Lab Sample Number				2430431	2430432
Sample Reference				WS251	WS252
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				15/09/2022	15/09/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
Petroleum Hydrocarbons					
TPH-CWG - Aliphatic >C5 - C6 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	< 1.0	-
TPH-CWG - Aliphatic >C6 - C8 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	< 1.0	-
TPH-CWG - Aliphatic >C8 - C10 $_{HS\_1D\_AL}$	µg/l	1	ISO 17025	< 1.0	-
TPH-CWG - Aliphatic >C10 - C12 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aliphatic >C12 - C16 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aliphatic >C16 - C21 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aliphatic >C21 - C35 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aliphatic >C16 - C35 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aliphatic >C35 - C44 $_{EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aliphatic (C5 - C35) $_{HS+EH\_1D\_AL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aliphatic (C5 - C44) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aromatic >C5 - C7 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	< 1.0	-
TPH-CWG - Aromatic >C7 - C8 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	< 1.0	-
TPH-CWG - Aromatic >C8 - C10 $_{HS\_1D\_AR}$	µg/l	1	ISO 17025	< 1.0	-
TPH-CWG - Aromatic >C10 - C12 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aromatic >C12 - C16 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aromatic >C16 - C21 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aromatic >C21 - C35 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aromatic >C35 - C44 $_{EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aromatic (C5 - C35) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG - Aromatic (C5 - C44) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
TPH-CWG Total C5 - C44 $_{EH+HS\_1D\_TOTAL\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	-
VOCs					
Chloromethane	µg/l	1	ISO 17025	-	-
Chloroethane	µg/l	1	ISO 17025	-	-
Bromomethane	µg/l	1	ISO 17025	-	-
Vinyl Chloride	µg/l	1	NONE	-	-
Trichlorofluoromethane	µg/l	1	NONE	-	-
1,1-Dichloroethene	µg/l	1	ISO 17025	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	-	-
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	-	-
1,1-Dichloroethane	µg/l	1	ISO 17025	-	-
2,2-Dichloropropane	µg/l	1	ISO 17025	-	-
Trichloromethane	µg/l	1	ISO 17025	-	-
1,1,1-Trichloroethane	µg/l	1	ISO 17025	-	-
1,2-Dichloroethane	µg/l	1	ISO 17025	-	-
1,1-Dichloropropene	µg/l	1	ISO 17025	-	-
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	-	-
Benzene	µg/l	1	ISO 17025	-	-
Tetrachloromethane	µg/l	1	ISO 17025	-	-
1,2-Dichloropropane	µg/l	1	ISO 17025	-	-
Trichloroethene	µg/l	1	ISO 17025	-	-
Dibromomethane	µg/l	1	ISO 17025	-	-
Bromodichloromethane	µg/l	1	ISO 17025	-	-
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	-	-
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	-	-
Toluene	µg/l	1	ISO 17025	-	-
1,1,2-Trichloroethane	µg/l	1	ISO 17025	-	-

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Lab Sample Number				2430431	2430432
Sample Reference				WS251	WS252
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				15/09/2022	15/09/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
1,3-Dichloropropane	µg/l	1	ISO 17025	-	-
Dibromochloromethane	µg/l	1	ISO 17025	-	-
Tetrachloroethene	µg/l	1	ISO 17025	-	-
1,2-Dibromoethane	µg/l	1	ISO 17025	-	-
Chlorobenzene	µg/l	1	ISO 17025	-	-
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	-	-
Ethylbenzene	µg/l	1	ISO 17025	-	-
p & m-Xylene	µg/l	1	ISO 17025	-	-
Styrene	µg/l	1	ISO 17025	-	-
Tribromomethane	µg/l	1	ISO 17025	-	-
o-Xylene	µg/l	1	ISO 17025	-	-
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	-	-
Isopropylbenzene	µg/l	1	ISO 17025	-	-
Bromobenzene	µg/l	1	ISO 17025	-	-
n-Propylbenzene	µg/l	1	ISO 17025	-	-
2-Chlorotoluene	µg/l	1	ISO 17025	-	-
4-Chlorotoluene	µg/l	1	ISO 17025	-	-
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	-	-
tert-Butylbenzene	µg/l	1	ISO 17025	-	-
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	-	-
sec-Butylbenzene	µg/l	1	ISO 17025	-	-
1,3-Dichlorobenzene	µg/l	1	ISO 17025	-	-
p-Isopropyltoluene	µg/l	1	ISO 17025	-	-
1,2-Dichlorobenzene	µg/l	1	ISO 17025	-	-
1,4-Dichlorobenzene	µg/l	1	ISO 17025	-	-
Butylbenzene	µg/l	1	ISO 17025	-	-
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	-	-
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	-	-
Hexachlorobutadiene	µg/l	1	ISO 17025	-	-
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	-	-

Dichloromethane	µg/l	3	NONE	-	-
Dichlorodifluoromethane	µg/l	1	NONE	-	-
Total Trihalomethanes	µg/l	4	NONE	-	-
Total Trichlorobenzenes	ug/l	3	NONE	-	-
Total Dichlorobenzenes	ug/l	3	NONE	-	-
Trichloroethylene (TCE) + Tetrachloroethylene (PCE)	ug/l	2	NONE	-	-
Total 1,2-Dichloroethene	ug/l	2	NONE	-	-
Total 1,3-Dichloropropane	ug/l	2	NONE	-	-
Tetrachloroethane	ug/l	2	NONE	-	-

SVOCs

Aniline	µg/l	0.05	NONE	-	-
Phenol	µg/l	0.05	NONE	-	-
2-Chlorophenol	µg/l	0.05	NONE	-	-
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	-	-
1,3-Dichlorobenzene	µg/l	0.05	NONE	-	-
1,2-Dichlorobenzene	µg/l	0.05	NONE	-	-
1,4-Dichlorobenzene	µg/l	0.05	NONE	-	-
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	-	-
2-Methylphenol	µg/l	0.05	NONE	-	-
Hexachloroethane	µg/l	0.05	NONE	-	-
Nitrobenzene	µg/l	0.05	NONE	-	-

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Lab Sample Number				2430431	2430432
Sample Reference				WS251	WS252
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				15/09/2022	15/09/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
4-Methylphenol	µg/l	0.05	NONE	-	-
Isophorone	µg/l	0.05	NONE	-	-
2-Nitrophenol	µg/l	0.05	NONE	-	-
2,4-Dimethylphenol	µg/l	0.05	NONE	-	-
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	-	-
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	-	-
Naphthalene	µg/l	0.01	ISO 17025	-	-
2,4-Dichlorophenol	µg/l	0.05	NONE	-	-
4-Chloroaniline	µg/l	0.05	NONE	-	-
Hexachlorobutadiene	µg/l	0.05	NONE	-	-
4-Chloro-3-methylphenol	µg/l	0.05	NONE	-	-
2,4,6-Trichlorophenol	µg/l	0.05	NONE	-	-
2,4,5-Trichlorophenol	µg/l	0.05	NONE	-	-
2-Methylnaphthalene	µg/l	0.05	NONE	-	-
2-Chloronaphthalene	µg/l	0.05	NONE	-	-
Dimethylphthalate	µg/l	0.05	NONE	-	-
2,6-Dinitrotoluene	µg/l	0.05	NONE	-	-
Acenaphthylene	µg/l	0.01	ISO 17025	-	-
Acenaphthene	µg/l	0.01	ISO 17025	-	-
2,4-Dinitrotoluene	µg/l	0.05	NONE	-	-
Dibenzofuran	µg/l	0.05	NONE	-	-
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	-	-
Diethyl phthalate	µg/l	0.05	NONE	-	-
4-Nitroaniline	µg/l	0.05	NONE	-	-
Fluorene	µg/l	0.01	ISO 17025	-	-
Azobenzene	µg/l	0.05	NONE	-	-
Bromophenyl phenyl ether	µg/l	0.05	NONE	-	-
Hexachlorobenzene	µg/l	0.05	NONE	-	-
Phenanthrene	µg/l	0.01	ISO 17025	-	-
Anthracene	µg/l	0.01	ISO 17025	-	-
Carbazole	µg/l	0.05	NONE	-	-
Dibutyl phthalate	µg/l	0.05	NONE	-	-
Anthraquinone	µg/l	0.05	NONE	-	-
Fluoranthene	µg/l	0.01	ISO 17025	-	-
Pyrene	µg/l	0.01	ISO 17025	-	-
Butyl benzyl phthalate	µg/l	0.05	NONE	-	-
Benzo(a)anthracene	µg/l	0.01	ISO 17025	-	-
Chrysene	µg/l	0.01	ISO 17025	-	-
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	-	-
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	-	-
Benzo(a)pyrene	µg/l	0.01	ISO 17025	-	-
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	-	-
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	-	-
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	-	-
3&4-Methylphenol	µg/l	0.1	NONE	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Boron in water	Determination of boron in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM	L039-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Electrical conductivity at 20oC of water	Determination of electrical conductivity in water by electrometric measurement. Accredited Matrices SW, GW, PW	In-house method	L031-PL	W	ISO 17025
Fluoride in water	Determination of fluoride in water by 1:1 ratio with a buffer solution followed by Ion Selective Electrode. Accredited matrices: SW, PW, GW.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Total Hardness of water	Determination of hardness in waters by calculation from calcium and magnesium. Accredited Matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	W	ISO 17025
Monohydric phenols in water - LOW LEVEL 1 ug/l	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	ISO 17025
Nitrite in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry).Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrate in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds in leachate by extraction in dichloromethane followed by GC-MS.	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	ISO 17025
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Dissolved Organic Carbon in water	Determination of dissolved inorganic carbon in water by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	ISO 17025
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025

Analytical Report Number : 22-85131
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Speciated EPA-16 PAHs in water (LOW LEVEL Dets)	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270 (low level)	L102B-PL	W	NONE
TPH in (Water)	Determination of TPH bands by HS-GC-MS/GC-MS	In-house method, TPH with carbon banding.	L070-PL	W	NONE
Ammonia as NH3 in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Ammoniacal Nitrogen as N in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the discrete analyser (colorimetric) salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Ammonium as NH4 in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrite as N in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry). Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrate as N in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
TPH Chromatogram in Water	TPH Chromatogram in Water.	In-house method	L070-PL	W	NONE
Volatile organic compounds in water extended	Determination of volatile organic compounds in water by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	NONE
Cr (III) in water	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
Low level total cyanide in water	Determination of total cyanide by distillation followed by colorimetry. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-PL	W	ISO 17025
Free cyanide (low level) in water	Determination of free cyanide by distillation followed by colorimetry.Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Bromate in Water	Determination of bromate in waters based on ion chromatography. Accredited matrices GW, PW, SW.	In house method based on Standard Methods for the Analysis of Water and Waste Water, method 4500	L008-PL	W	ISO 17025
Specific PAH sums in water	Determination of PAH compounds in water by extraction in hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L070-PL	W	NONE
Chloride in water	Determination of Chloride (diissolved) colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260. Accredited matrices: SW, PW, GW.	L082-PL	W	ISO 17025

Analytical Report Number : 22-85131
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status

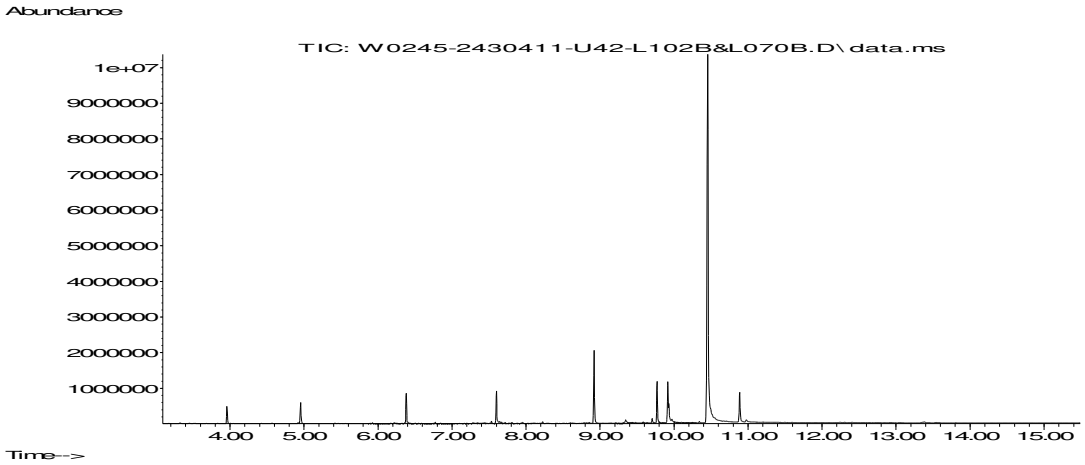
For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total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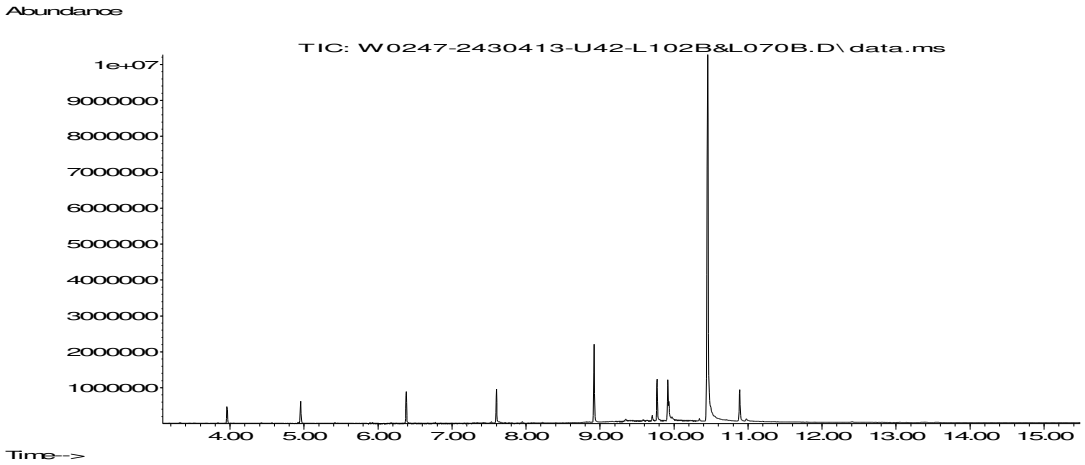
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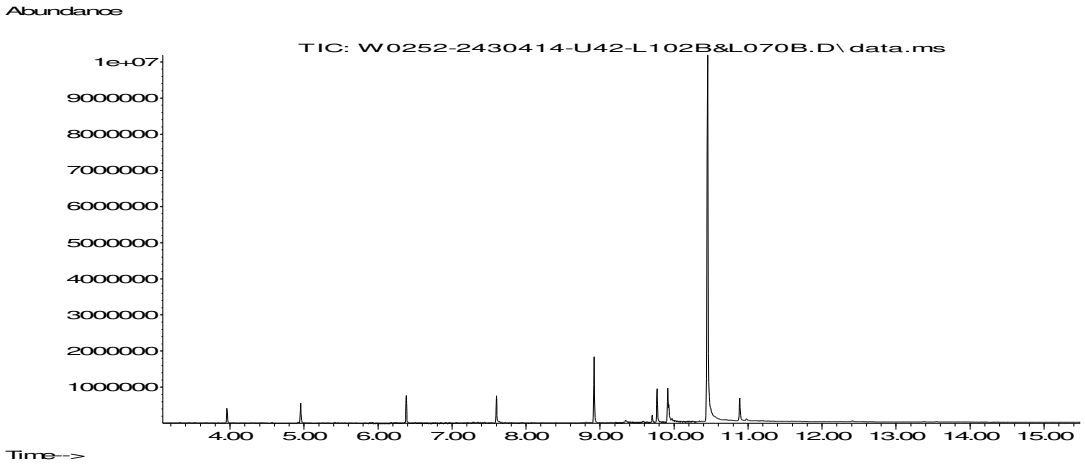
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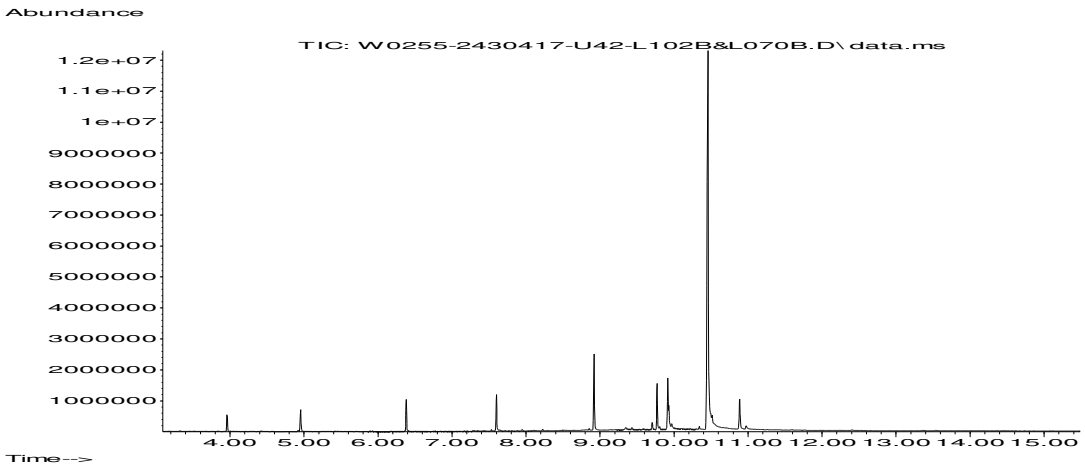
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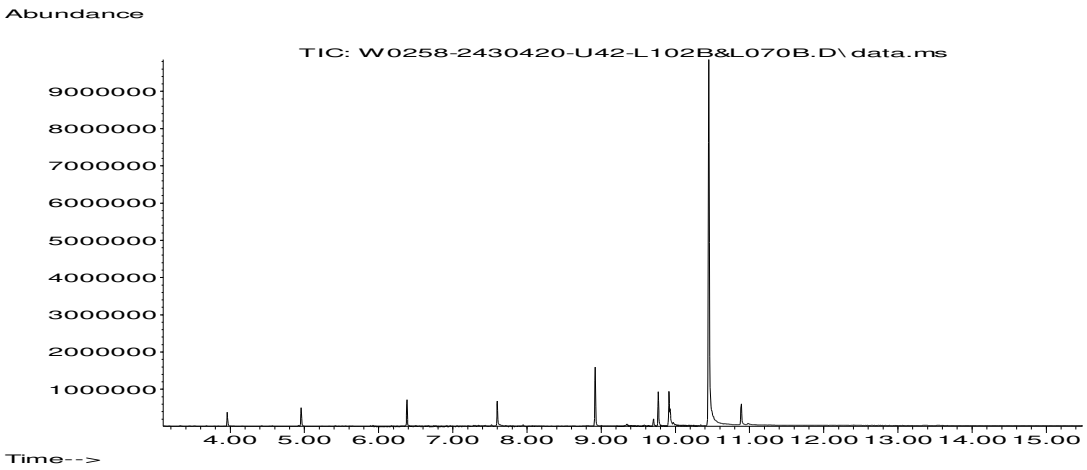
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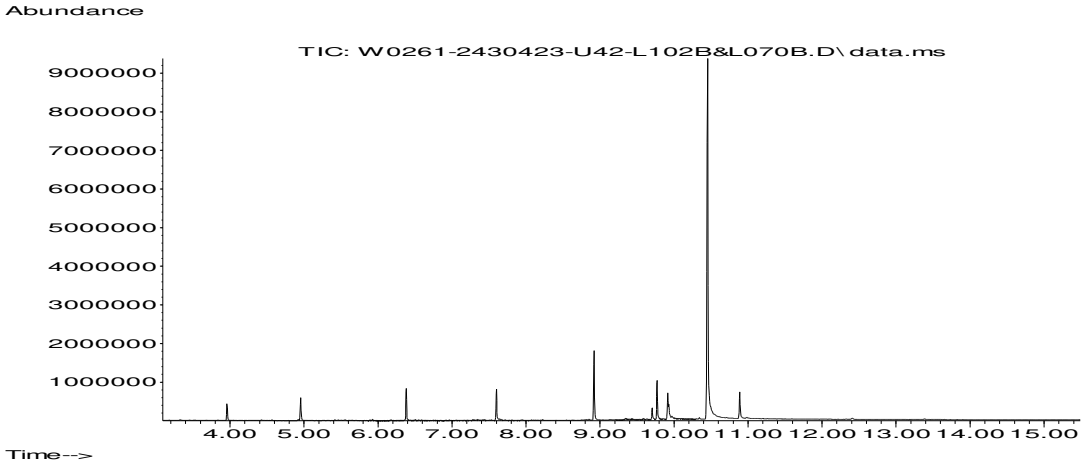
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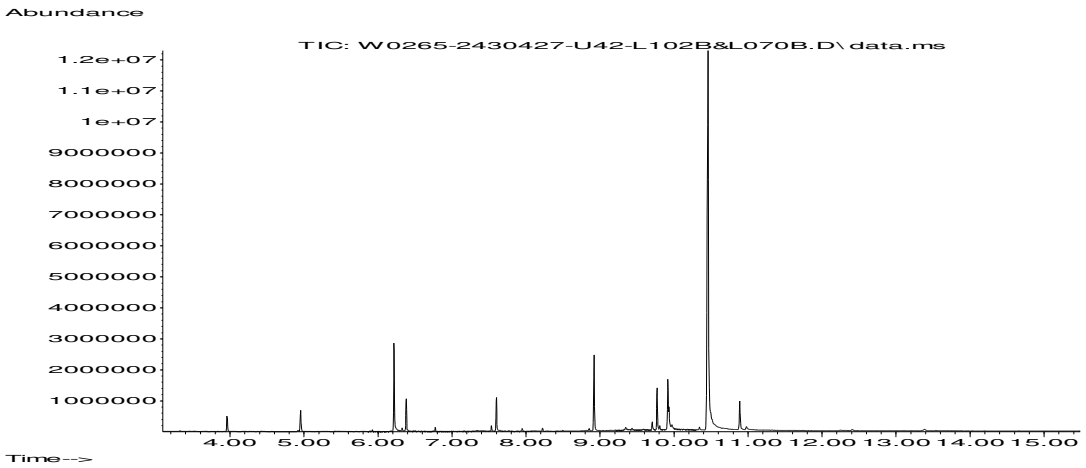
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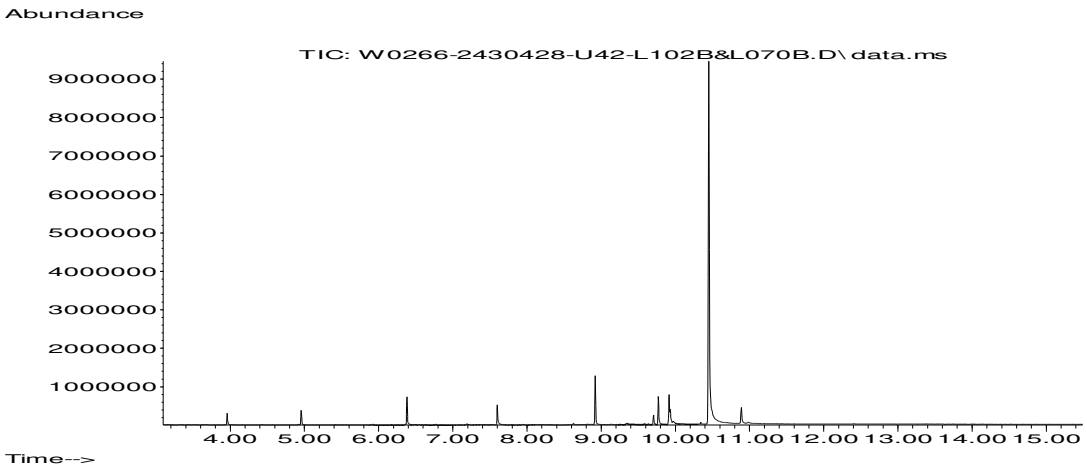
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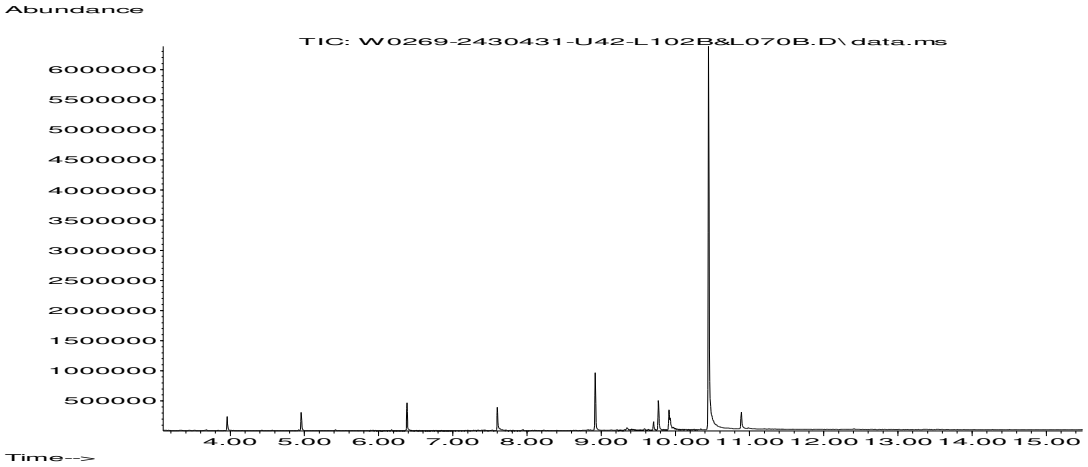
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Analytical Report Number : 22-85131
Project / Site name: Begbroke

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH205	None Supplied	W	2430411	c	Ammonia as NH3 in water	L082-PL	c
BH205	None Supplied	W	2430411	c	Ammoniacal Nitrogen as N in water	L082-PL	c
BH205	None Supplied	W	2430411	c	Ammonium as NH4 in water	L082-PL	c
BH205	None Supplied	W	2430411	c	Electrical conductivity at 20oC of water	L031-PL	c
BH205	None Supplied	W	2430411	c	Nitrate as N in water	L078-PL	c
BH205	None Supplied	W	2430411	c	Nitrate in water	L078-PL	c
BH205	None Supplied	W	2430411	c	Nitrite as N in water	L082-PL	c
BH205	None Supplied	W	2430411	c	Nitrite in water	L082-PL	c
BH205	None Supplied	W	2430411	c	pH at 20oC in water (automated)	L099-PL	c
WS201	None Supplied	W	2430412	c	Ammonia as NH3 in water	L082-PL	c
WS201	None Supplied	W	2430412	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS201	None Supplied	W	2430412	c	Ammonium as NH4 in water	L082-PL	c
WS201	None Supplied	W	2430412	c	Electrical conductivity at 20oC of water	L031-PL	c
WS201	None Supplied	W	2430412	c	Nitrate as N in water	L078-PL	c
WS201	None Supplied	W	2430412	c	Nitrate in water	L078-PL	c
WS201	None Supplied	W	2430412	c	Nitrite as N in water	L082-PL	c
WS201	None Supplied	W	2430412	c	Nitrite in water	L082-PL	c
WS201	None Supplied	W	2430412	c	pH at 20oC in water (automated)	L099-PL	c
WS202	None Supplied	W	2430413	c	Ammonia as NH3 in water	L082-PL	c
WS202	None Supplied	W	2430413	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS202	None Supplied	W	2430413	c	Ammonium as NH4 in water	L082-PL	c
WS202	None Supplied	W	2430413	c	Electrical conductivity at 20oC of water	L031-PL	c
WS202	None Supplied	W	2430413	c	Nitrate as N in water	L078-PL	c
WS202	None Supplied	W	2430413	c	Nitrate in water	L078-PL	c
WS202	None Supplied	W	2430413	c	Nitrite as N in water	L082-PL	c
WS202	None Supplied	W	2430413	c	Nitrite in water	L082-PL	c
WS202	None Supplied	W	2430413	c	pH at 20oC in water (automated)	L099-PL	c
WS203	None Supplied	W	2430414	c	Ammonia as NH3 in water	L082-PL	c
WS203	None Supplied	W	2430414	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS203	None Supplied	W	2430414	c	Ammonium as NH4 in water	L082-PL	c
WS203	None Supplied	W	2430414	c	Electrical conductivity at 20oC of water	L031-PL	c
WS203	None Supplied	W	2430414	c	Nitrate as N in water	L078-PL	c
WS203	None Supplied	W	2430414	c	Nitrate in water	L078-PL	c
WS203	None Supplied	W	2430414	c	Nitrite as N in water	L082-PL	c
WS203	None Supplied	W	2430414	c	Nitrite in water	L082-PL	c
WS203	None Supplied	W	2430414	c	pH at 20oC in water (automated)	L099-PL	c
WS205	None Supplied	W	2430415	c	Ammonia as NH3 in water	L082-PL	c
WS205	None Supplied	W	2430415	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS205	None Supplied	W	2430415	c	Ammonium as NH4 in water	L082-PL	c
WS205	None Supplied	W	2430415	c	Electrical conductivity at 20oC of water	L031-PL	c
WS205	None Supplied	W	2430415	c	Nitrate as N in water	L078-PL	c
WS205	None Supplied	W	2430415	c	Nitrate in water	L078-PL	c
WS205	None Supplied	W	2430415	c	Nitrite as N in water	L082-PL	c
WS205	None Supplied	W	2430415	c	Nitrite in water	L082-PL	c
WS205	None Supplied	W	2430415	c	pH at 20oC in water (automated)	L099-PL	c
WS207	None Supplied	W	2430416	c	Ammonia as NH3 in water	L082-PL	c
WS207	None Supplied	W	2430416	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS207	None Supplied	W	2430416	c	Ammonium as NH4 in water	L082-PL	c
WS207	None Supplied	W	2430416	c	Electrical conductivity at 20oC of water	L031-PL	c
WS207	None Supplied	W	2430416	c	Nitrate as N in water	L078-PL	c
WS207	None Supplied	W	2430416	c	Nitrate in water	L078-PL	c
WS207	None Supplied	W	2430416	c	Nitrite as N in water	L082-PL	c
WS207	None Supplied	W	2430416	c	Nitrite in water	L082-PL	c
WS207	None Supplied	W	2430416	c	pH at 20oC in water (automated)	L099-PL	c
WS208	None Supplied	W	2430417	c	Ammonia as NH3 in water	L082-PL	c
WS208	None Supplied	W	2430417	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS208	None Supplied	W	2430417	c	Ammonium as NH4 in water	L082-PL	c
WS208	None Supplied	W	2430417	c	Electrical conductivity at 20oC of water	L031-PL	c
WS208	None Supplied	W	2430417	c	Nitrate as N in water	L078-PL	c

Analytical Report Number : 22-85131
Project / Site name: Begbroke

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH205	None Supplied	W	2430411	c	Ammonia as NH3 in water	L082-PL	c
WS208	None Supplied	W	2430417	c	Nitrate in water	L078-PL	c
WS208	None Supplied	W	2430417	c	Nitrite as N in water	L082-PL	c
WS208	None Supplied	W	2430417	c	Nitrite in water	L082-PL	c
WS208	None Supplied	W	2430417	c	pH at 20oC in water (automated)	L099-PL	c
WS209	None Supplied	W	2430418	c	Ammonia as NH3 in water	L082-PL	c
WS209	None Supplied	W	2430418	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS209	None Supplied	W	2430418	c	Ammonium as NH4 in water	L082-PL	c
WS209	None Supplied	W	2430418	c	Electrical conductivity at 20oC of water	L031-PL	c
WS209	None Supplied	W	2430418	c	Nitrate as N in water	L078-PL	c
WS209	None Supplied	W	2430418	c	Nitrate in water	L078-PL	c
WS209	None Supplied	W	2430418	c	Nitrite as N in water	L082-PL	c
WS209	None Supplied	W	2430418	c	Nitrite in water	L082-PL	c
WS209	None Supplied	W	2430418	c	pH at 20oC in water (automated)	L099-PL	c
WS210	None Supplied	W	2430419	c	Ammonia as NH3 in water	L082-PL	c
WS210	None Supplied	W	2430419	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS210	None Supplied	W	2430419	c	Ammonium as NH4 in water	L082-PL	c
WS210	None Supplied	W	2430419	c	Electrical conductivity at 20oC of water	L031-PL	c
WS210	None Supplied	W	2430419	c	Nitrate as N in water	L078-PL	c
WS210	None Supplied	W	2430419	c	Nitrate in water	L078-PL	c
WS210	None Supplied	W	2430419	c	Nitrite as N in water	L082-PL	c
WS210	None Supplied	W	2430419	c	Nitrite in water	L082-PL	c
WS210	None Supplied	W	2430419	c	pH at 20oC in water (automated)	L099-PL	c
WS211	None Supplied	W	2430420	c	Ammonia as NH3 in water	L082-PL	c
WS211	None Supplied	W	2430420	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS211	None Supplied	W	2430420	c	Ammonium as NH4 in water	L082-PL	c
WS211	None Supplied	W	2430420	c	Electrical conductivity at 20oC of water	L031-PL	c
WS211	None Supplied	W	2430420	c	Nitrate as N in water	L078-PL	c
WS211	None Supplied	W	2430420	c	Nitrate in water	L078-PL	c
WS211	None Supplied	W	2430420	c	Nitrite as N in water	L082-PL	c
WS211	None Supplied	W	2430420	c	Nitrite in water	L082-PL	c
WS211	None Supplied	W	2430420	c	pH at 20oC in water (automated)	L099-PL	c
WS215	None Supplied	W	2430421	c	Ammonia as NH3 in water	L082-PL	c
WS215	None Supplied	W	2430421	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS215	None Supplied	W	2430421	c	Ammonium as NH4 in water	L082-PL	c
WS215	None Supplied	W	2430421	c	Electrical conductivity at 20oC of water	L031-PL	c
WS215	None Supplied	W	2430421	c	Nitrate as N in water	L078-PL	c
WS215	None Supplied	W	2430421	c	Nitrate in water	L078-PL	c
WS215	None Supplied	W	2430421	c	Nitrite as N in water	L082-PL	c
WS215	None Supplied	W	2430421	c	Nitrite in water	L082-PL	c
WS215	None Supplied	W	2430421	c	pH at 20oC in water (automated)	L099-PL	c
WS216	None Supplied	W	2430422	c	Ammonia as NH3 in water	L082-PL	c
WS216	None Supplied	W	2430422	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS216	None Supplied	W	2430422	c	Ammonium as NH4 in water	L082-PL	c
WS216	None Supplied	W	2430422	c	Electrical conductivity at 20oC of water	L031-PL	c
WS216	None Supplied	W	2430422	c	Nitrate as N in water	L078-PL	c
WS216	None Supplied	W	2430422	c	Nitrate in water	L078-PL	c
WS216	None Supplied	W	2430422	c	Nitrite as N in water	L082-PL	c
WS216	None Supplied	W	2430422	c	Nitrite in water	L082-PL	c
WS216	None Supplied	W	2430422	c	pH at 20oC in water (automated)	L099-PL	c
WS220	None Supplied	W	2430423	c	Ammonia as NH3 in water	L082-PL	c
WS220	None Supplied	W	2430423	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS220	None Supplied	W	2430423	c	Ammonium as NH4 in water	L082-PL	c
WS220	None Supplied	W	2430423	c	Electrical conductivity at 20oC of water	L031-PL	c
WS220	None Supplied	W	2430423	c	Nitrate as N in water	L078-PL	c
WS220	None Supplied	W	2430423	c	Nitrate in water	L078-PL	c
WS220	None Supplied	W	2430423	c	Nitrite as N in water	L082-PL	c
WS220	None Supplied	W	2430423	c	Nitrite in water	L082-PL	c
WS220	None Supplied	W	2430423	c	pH at 20oC in water (automated)	L099-PL	c

Analytical Report Number : 22-85131
Project / Site name: Begbroke

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH205	None Supplied	W	2430411	c	Ammonia as NH3 in water	L082-PL	c
WS232	None Supplied	W	2430424	c	Ammonia as NH3 in water	L082-PL	c
WS232	None Supplied	W	2430424	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS232	None Supplied	W	2430424	c	Ammonium as NH4 in water	L082-PL	c
WS232	None Supplied	W	2430424	c	Electrical conductivity at 20oC of water	L031-PL	c
WS232	None Supplied	W	2430424	c	Nitrate as N in water	L078-PL	c
WS232	None Supplied	W	2430424	c	Nitrate in water	L078-PL	c
WS232	None Supplied	W	2430424	c	Nitrite as N in water	L082-PL	c
WS232	None Supplied	W	2430424	c	Nitrite in water	L082-PL	c
WS232	None Supplied	W	2430424	c	pH at 20oC in water (automated)	L099-PL	c
WS233	None Supplied	W	2430425	c	Ammonia as NH3 in water	L082-PL	c
WS233	None Supplied	W	2430425	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS233	None Supplied	W	2430425	c	Ammonium as NH4 in water	L082-PL	c
WS233	None Supplied	W	2430425	c	Electrical conductivity at 20oC of water	L031-PL	c
WS233	None Supplied	W	2430425	c	Nitrate as N in water	L078-PL	c
WS233	None Supplied	W	2430425	c	Nitrate in water	L078-PL	c
WS233	None Supplied	W	2430425	c	Nitrite as N in water	L082-PL	c
WS233	None Supplied	W	2430425	c	Nitrite in water	L082-PL	c
WS233	None Supplied	W	2430425	c	pH at 20oC in water (automated)	L099-PL	c
WS234	None Supplied	W	2430426	c	Ammonia as NH3 in water	L082-PL	c
WS234	None Supplied	W	2430426	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS234	None Supplied	W	2430426	c	Ammonium as NH4 in water	L082-PL	c
WS234	None Supplied	W	2430426	c	Electrical conductivity at 20oC of water	L031-PL	c
WS234	None Supplied	W	2430426	c	Nitrate as N in water	L078-PL	c
WS234	None Supplied	W	2430426	c	Nitrate in water	L078-PL	c
WS234	None Supplied	W	2430426	c	Nitrite as N in water	L082-PL	c
WS234	None Supplied	W	2430426	c	Nitrite in water	L082-PL	c
WS234	None Supplied	W	2430426	c	pH at 20oC in water (automated)	L099-PL	c
WS238	None Supplied	W	2430427	c	Ammonia as NH3 in water	L082-PL	c
WS238	None Supplied	W	2430427	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS238	None Supplied	W	2430427	c	Ammonium as NH4 in water	L082-PL	c
WS238	None Supplied	W	2430427	c	Electrical conductivity at 20oC of water	L031-PL	c
WS238	None Supplied	W	2430427	c	Nitrate as N in water	L078-PL	c
WS238	None Supplied	W	2430427	c	Nitrate in water	L078-PL	c
WS238	None Supplied	W	2430427	c	Nitrite as N in water	L082-PL	c
WS238	None Supplied	W	2430427	c	Nitrite in water	L082-PL	c
WS238	None Supplied	W	2430427	c	pH at 20oC in water (automated)	L099-PL	c
WS239	None Supplied	W	2430428	c	Ammonia as NH3 in water	L082-PL	c
WS239	None Supplied	W	2430428	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS239	None Supplied	W	2430428	c	Ammonium as NH4 in water	L082-PL	c
WS239	None Supplied	W	2430428	c	Electrical conductivity at 20oC of water	L031-PL	c
WS239	None Supplied	W	2430428	c	Nitrate as N in water	L078-PL	c
WS239	None Supplied	W	2430428	c	Nitrate in water	L078-PL	c
WS239	None Supplied	W	2430428	c	Nitrite as N in water	L082-PL	c
WS239	None Supplied	W	2430428	c	Nitrite in water	L082-PL	c
WS239	None Supplied	W	2430428	c	pH at 20oC in water (automated)	L099-PL	c
WS241	None Supplied	W	2430429	c	Ammonia as NH3 in water	L082-PL	c
WS241	None Supplied	W	2430429	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS241	None Supplied	W	2430429	c	Ammonium as NH4 in water	L082-PL	c
WS241	None Supplied	W	2430429	c	Electrical conductivity at 20oC of water	L031-PL	c
WS241	None Supplied	W	2430429	c	Nitrate as N in water	L078-PL	c
WS241	None Supplied	W	2430429	c	Nitrate in water	L078-PL	c
WS241	None Supplied	W	2430429	c	Nitrite as N in water	L082-PL	c
WS241	None Supplied	W	2430429	c	Nitrite in water	L082-PL	c
WS241	None Supplied	W	2430429	c	pH at 20oC in water (automated)	L099-PL	c
WS245	None Supplied	W	2430430	c	Ammonia as NH3 in water	L082-PL	c
WS245	None Supplied	W	2430430	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS245	None Supplied	W	2430430	c	Ammonium as NH4 in water	L082-PL	c
WS245	None Supplied	W	2430430	c	Electrical conductivity at 20oC of water	L031-PL	c

Sample Deviation Report

Analytical Report Number : 22-85131
Project / Site name: Begbroke

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH205	None Supplied	W	2430411	c	Ammonia as NH3 in water	L082-PL	c
WS245	None Supplied	W	2430430	c	Nitrate as N in water	L078-PL	c
WS245	None Supplied	W	2430430	c	Nitrate in water	L078-PL	c
WS245	None Supplied	W	2430430	c	Nitrite as N in water	L082-PL	c
WS245	None Supplied	W	2430430	c	Nitrite in water	L082-PL	c
WS245	None Supplied	W	2430430	c	pH at 20oC in water (automated)	L099-PL	c
WS251	None Supplied	W	2430431	c	Ammonia as NH3 in water	L082-PL	c
WS251	None Supplied	W	2430431	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS251	None Supplied	W	2430431	c	Ammonium as NH4 in water	L082-PL	c
WS251	None Supplied	W	2430431	c	Electrical conductivity at 20oC of water	L031-PL	c
WS251	None Supplied	W	2430431	c	Nitrate as N in water	L078-PL	c
WS251	None Supplied	W	2430431	c	Nitrate in water	L078-PL	c
WS251	None Supplied	W	2430431	c	Nitrite as N in water	L082-PL	c
WS251	None Supplied	W	2430431	c	Nitrite in water	L082-PL	c
WS251	None Supplied	W	2430431	c	pH at 20oC in water (automated)	L099-PL	c
WS252	None Supplied	W	2430432	c	Ammonia as NH3 in water	L082-PL	c
WS252	None Supplied	W	2430432	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS252	None Supplied	W	2430432	c	Ammonium as NH4 in water	L082-PL	c
WS252	None Supplied	W	2430432	c	Electrical conductivity at 20oC of water	L031-PL	c
WS252	None Supplied	W	2430432	c	Nitrate as N in water	L078-PL	c
WS252	None Supplied	W	2430432	c	Nitrate in water	L078-PL	c
WS252	None Supplied	W	2430432	c	Nitrite as N in water	L082-PL	c
WS252	None Supplied	W	2430432	c	Nitrite in water	L082-PL	c
WS252	None Supplied	W	2430432	c	pH at 20oC in water (automated)	L099-PL	c

UKAS TESTING
4041

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Analytical Report Number : 22-86105

Project / Site name:	Begbroke	**Samples received on:**	22/09/2022
Your job number:	19114	**Samples instructed on/ Analysis started on:**	26/09/2022
Your order number:	PO20129	**Analysis completed by:**	03/10/2022
Report Issue Number:	1	**Report issued on:**	03/10/2022
Samples Analysed:	5 water samples		

Signed: [redacted]

Anna Goc
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Analytical Report Number: 22-86105
Project / Site name: Begbroke

Your Order No: PO20129

Lab Sample Number				2435970	2435971	2435972	2435973	2435974
Sample Reference				WS235	BH001	BH003	BH006	BH007
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				22/09/2022	22/09/2022	22/09/2022	22/09/2022	22/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	7.3	6.8	7.4	7.5	6.8
Electrical Conductivity at 20 °C	µS/cm	10	ISO 17025	700	1500	640	560	1200
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	2	< 1.0	< 1.0	1.2
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sulphate as SO4	µg/l	45	ISO 17025	64000	606000	73800	48300	255000
Chloride	mg/l	0.15	ISO 17025	56	31	31	28	32
Fluoride	µg/l	50	ISO 17025	430	420	610	700	250
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	120	7200	17	< 15	310
Ammoniacal Nitrogen as NH3	µg/l	15	ISO 17025	150	8800	21	< 15	380
Ammoniacal Nitrogen as NH4	µg/l	15	ISO 17025	160	9300	22	< 15	400
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	1.69	6.04	1.52	1.36	3.11
Nitrate as N	mg/l	0.01	ISO 17025	9.48	0.06	11.9	13.1	5.06
Nitrate as NO3	mg/l	0.05	ISO 17025	42	0.25	52.6	58.2	22.4
Nitrite as N	µg/l	1	ISO 17025	6.8	42	8.1	< 1.0	74
Nitrite as NO2	µg/l	5	ISO 17025	22	140	27	< 5.0	240
Hardness - Total	mgCaCO3/l	1	ISO 17025	354	1270	398	308	813
Bromate by IC	mg/l	0.002	ISO 17025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total Phenols								
Total Phenols (monohydric)	µg/l	1	ISO 17025	< 1.0	1.2	1.8	1.8	1.4
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PAH Sums								
Sum of Benzo(b)fluoranthene & Benzo(k)fluoranthene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benz	µg/l	0.04	NONE	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16

Analytical Report Number: 22-86105
Project / Site name: Begbroke

Your Order No: PO20129

Lab Sample Number				2435970	2435971	2435972	2435973	2435974
Sample Reference				WS235	BH001	BH003	BH006	BH007
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				22/09/2022	22/09/2022	22/09/2022	22/09/2022	22/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Boron (dissolved)	µg/l	10	ISO 17025	110	96	94	31	130
Calcium (dissolved)	mg/l	0.012	ISO 17025	130	470	150	120	290
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	5	NONE	< 5.0	7.9	< 5.0	< 5.0	6.4
Iron (dissolved)	mg/l	0.004	ISO 17025	0.076	0.095	0.01	0.011	0.031
Iron (dissolved)	µg/l	4	ISO 17025	76	95	10	11	31
Magnesium (dissolved)	mg/l	0.005	ISO 17025	5.9	25	4.1	3.5	21
Sodium (dissolved)	mg/l	0.01	ISO 17025	31	49	18	16	33
Aluminium (dissolved)	µg/l	1	ISO 17025	5.2	3.9	< 1.0	61	14
Antimony (dissolved)	µg/l	0.4	ISO 17025	0.5	0.7	0.4	0.6	0.7
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.64	2.13	0.23	0.28	0.44
Barium (dissolved)	µg/l	0.06	ISO 17025	19	36	20	18	30
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	0.05	< 0.02	0.09	< 0.02
Chromium (dissolved)	µg/l	0.2	ISO 17025	2.5	7.9	3.3	1.9	6.4
Cobalt (dissolved)	µg/l	0.2	ISO 17025	1	11	0.3	0.3	0.7
Copper (dissolved)	µg/l	0.5	ISO 17025	1.1	3.4	1.2	0.6	0.9
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	5.7	940	0.32	2.9	21
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.4	13	1.8	1.7	4.8
Selenium (dissolved)	µg/l	0.6	ISO 17025	1	0.9	< 0.6	< 0.6	0.7
Silver (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tin (dissolved)	µg/l	0.2	ISO 17025	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.5	0.3	0.3	0.5	0.3
Zinc (dissolved)	µg/l	0.5	ISO 17025	5.8	4.4	0.7	1.8	1.3
Monoaromatics & Oxygenates								
p & m-xylene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Sum of m, p & o-Xylene	µg/l	2	ISO 17025	-	< 2.0	< 2.0	< 2.0	< 2.0

Analytical Report Number: 22-86105
Project / Site name: Begbroke

Your Order No: PO20129

Lab Sample Number				2435970	2435971	2435972	2435973	2435974
Sample Reference				WS235	BH001	BH003	BH006	BH007
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				22/09/2022	22/09/2022	22/09/2022	22/09/2022	22/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	-	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	-	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0

Analytical Report Number: 22-86105
Project / Site name: Begbroke

Your Order No: PO20129

Lab Sample Number				2435970	2435971	2435972	2435973	2435974
Sample Reference				WS235	BH001	BH003	BH006	BH007
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				22/09/2022	22/09/2022	22/09/2022	22/09/2022	22/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	µg/l	3	NONE	-	< 3.0	< 3.0	< 3.0	< 3.0
Dichlorodifluoromethane	µg/l	1	NONE	-	< 1.0	< 1.0	< 1.0	< 1.0
Total Trihalomethanes	µg/l	4	NONE	-	< 4.0	< 4.0	< 4.0	< 4.0
Total Trichlorobenzenes	ug/l	3	NONE	-	< 3.0	< 3.0	< 3.0	< 3.0
Total Dichlorobenzenes	ug/l	3	NONE	-	< 3.0	< 3.0	< 3.0	< 3.0
Trichloroethylene (TCE) + Tetrachloroethylene (PCE)	ug/l	2	NONE	-	< 2.0	< 2.0	< 2.0	< 2.0
Total 1,2-Dichloroethene	ug/l	2	NONE	-	< 2.0	< 2.0	< 2.0	< 2.0
Total 1,3-Dichloropropane	ug/l	2	NONE	-	< 2.0	< 2.0	< 2.0	< 2.0
Tetrachloroethane	ug/l	2	NONE	-	< 2.0	< 2.0	< 2.0	< 2.0
SVOCs								
Aniline	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dichlorophenol	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dinitrotoluene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Azobenzene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05

Analytical Report Number: 22-86105
Project / Site name: Begbroke

Your Order No: PO20129

Lab Sample Number				2435970	2435971	2435972	2435973	2435974
Sample Reference				WS235	BH001	BH003	BH006	BH007
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				22/09/2022	22/09/2022	22/09/2022	22/09/2022	22/09/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Bromophenyl phenyl ether	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Anthraquinone	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	-	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	-	< 0.01	< 0.01	< 0.01	< 0.01

3&4-Methylphenol	µg/l	0.1	NONE	-	< 0.10	< 0.10	< 0.10	< 0.10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 22-86105
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Boron in water	Determination of boron in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM	L039-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Electrical conductivity at 20oC of water	Determination of electrical conductivity in water by electrometric measurement. Accredited Matrices SW, GW, PW	In-house method	L031-PL	W	ISO 17025
Fluoride in water	Determination of fluoride in water by 1:1 ratio with a buffer solution followed by Ion Selective Electrode. Accredited matrices: SW, PW, GW.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Total Hardness of water	Determination of hardness in waters by calculation from calcium and magnesium. Accredited Matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	W	ISO 17025
Monohydric phenols in water - LOW LEVEL 1 ug/l	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	ISO 17025
Nitrite in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry).Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrate in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds in leachate by extraction in dichloromethane followed by GC-MS.	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Dissolved Organic Carbon in water	Determination of dissolved inorganic carbon in water by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	ISO 17025
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Speciated EPA-16 PAHs in water (LOW LEVEL Dets)	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270 (low level)	L102B-PL	W	NONE

Analytical Report Number : 22-86105
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Ammonia as NH3 in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Ammoniacal Nitrogen as N in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the discrete analyser (colorimetric) salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Ammonium as NH4 in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrite as N in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry). Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrate as N in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
Volatile organic compounds in water extended	Determination of volatile organic compounds in water by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	NONE
Cr (III) in water	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
Low level total cyanide in water	Determination of total cyanide by distillation followed by colorimetry. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-PL	W	ISO 17025
Free cyanide (low level) in water	Determination of free cyanide by distillation followed by colorimetry.Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Bromate in Water	Determination of bromate in waters based on ion chromatography. Accredited matrices GW, PW, SW.	In house method based on Standard Methods for the Analysis of Water and Waste Water, method 4500	L008-PL	W	ISO 17025
Specific PAH sums in water	Determination of PAH compounds in water by extraction in hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L070-PL	W	NONE
Chloride in water	Determination of Chloride (diissolved) colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260. Accredited matrices: SW, PW, GW.	L082-PL	W	ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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

Analytical Report Number : 22-86105
Project / Site name: Begbroke

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH001	None Supplied	W	2435971	c	Ammonia as NH3 in water	L082-PL	c
BH001	None Supplied	W	2435971	c	Ammoniacal Nitrogen as N in water	L082-PL	c
BH001	None Supplied	W	2435971	c	Ammonium as NH4 in water	L082-PL	c
BH001	None Supplied	W	2435971	c	Electrical conductivity at 20oC of water	L031-PL	c
BH001	None Supplied	W	2435971	c	pH at 20oC in water (automated)	L099-PL	c
BH003	None Supplied	W	2435972	c	Ammonia as NH3 in water	L082-PL	c
BH003	None Supplied	W	2435972	c	Ammoniacal Nitrogen as N in water	L082-PL	c
BH003	None Supplied	W	2435972	c	Ammonium as NH4 in water	L082-PL	c
BH003	None Supplied	W	2435972	c	Electrical conductivity at 20oC of water	L031-PL	c
BH003	None Supplied	W	2435972	c	pH at 20oC in water (automated)	L099-PL	c
BH006	None Supplied	W	2435973	c	Ammonia as NH3 in water	L082-PL	c
BH006	None Supplied	W	2435973	c	Ammoniacal Nitrogen as N in water	L082-PL	c
BH006	None Supplied	W	2435973	c	Ammonium as NH4 in water	L082-PL	c
BH006	None Supplied	W	2435973	c	Electrical conductivity at 20oC of water	L031-PL	c
BH006	None Supplied	W	2435973	c	pH at 20oC in water (automated)	L099-PL	c
BH007	None Supplied	W	2435974	c	Ammonia as NH3 in water	L082-PL	c
BH007	None Supplied	W	2435974	c	Ammoniacal Nitrogen as N in water	L082-PL	c
BH007	None Supplied	W	2435974	c	Ammonium as NH4 in water	L082-PL	c
BH007	None Supplied	W	2435974	c	Electrical conductivity at 20oC of water	L031-PL	c
BH007	None Supplied	W	2435974	c	pH at 20oC in water (automated)	L099-PL	c
WS235	None Supplied	W	2435970	c	Ammonia as NH3 in water	L082-PL	c
WS235	None Supplied	W	2435970	c	Ammoniacal Nitrogen as N in water	L082-PL	c
WS235	None Supplied	W	2435970	c	Ammonium as NH4 in water	L082-PL	c
WS235	None Supplied	W	2435970	c	Electrical conductivity at 20oC of water	L031-PL	c
WS235	None Supplied	W	2435970	c	pH at 20oC in water (automated)	L099-PL	c

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Analytical Report Number : 22-83979

Project / Site name:	Begbroke	**Samples received on:**	13/09/2022
Your job number:	19114	**Samples instructed on/ Analysis started on:**	13/09/2022
Your order number:	PO19941	**Analysis completed by:**	22/09/2022
Report Issue Number:	1	**Report issued on:**	22/09/2022
Samples Analysed:	1 soil sample		

Signed: [redacted]

Dominika Warjan
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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

i2 Analytical
7 Woodshots Meadow
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Watford, WD18 8YS

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Certificate of Analysis

BS 3882:2015 Specification For Topsoil

	Fail BS 3882		client	
Report No:	**22-83979**		**Hydrock Consultants Ltd**	
Location	Begbroke			
Lab Reference (Sample Number)	2423946		01604842888	
Sampling Date	31/08/2022			
Sample ID	WS221			
Depth (m)	**0.20**			

		unit	Result	Multi-P	Acid	Calc	Low-F	Low-F(a)	Low-F(c)
				Compliant with range (Y/N)					
Soil texture	<2mm fraction	%m/m	SANDY LOAM	Y	Y	Y	Y	Y	Y
Maximum coarse fragment content:	>2mm	%m/m	13.00	Y	Y	Y	Y	Y	Y
	>20mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
	>50mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
Mass loss on ignition		%	3.40						
	Clay 5-20%		Y	Y	Y	Y	Y	Y	Y
	Clay 20-35%		-	-	-	-	-	-	-
Soil pH:		pH	8.10	Y	N	Y	Y	N	Y
Carbonate:		%m/m	4.40	-	-	Y	-	-	Y
Available plant nutrients	Nitrogen	%m/m	0.16	Y	Y	Y	-	-	-
	Extractable Phosphate (as P)	mg/l	29.00	Y	Y	Y	N	N	N
	Extractable Potassium	mg/l	111.00	N	N	N	-	-	-
	Extractable Magnesium	mg/l	57.00	Y	Y	Y	-	-	-
Carbon: Nitrogen Ratio:		:1	13.00	Y	Y	Y	Y	Y	Y
Conductivity		us/cm	1900.00	Y	-	-	-	-	-
Phytotoxic contaminants:	** Total Zinc	mg/kg	87.00	Y	Y	Y	Y	Y	Y
	** Total Copper	mg/kg	17.00	Y	Y	Y	Y	Y	Y
	** Total Nickel	mg/kg	28.00	Y	Y	Y	Y	Y	Y
Visible contaminants:	>2mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
	Plastics	%m/m	0.00	Y	Y	Y	Y	Y	Y
	Sharps	no. in 1 kg	0.00	Y	Y	Y	Y	Y	Y
Compliancy:				Fail	Fail	Fail	Fail	Fail	Fail

Results are expressed on a dry weight basis, after correction for moisture content where applicable
Stated limits are for guidance only and I2 cannot be held responsible for any discrepencies with current legislation

** = MCERTS accrediited

Analytical Report Number : 22-83979
Project / Site name: Begbroke

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2423946	WS221	None Supplied	0.2	Brown loam and clay with vegetation and gravel

Analytical Report Number : 22-83979
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Geotechnical Testing in Soil	See attached geotechnical report	See attached geotechnical report		W	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Textural Classification Diagram	Textural classification Diagram	BS3882:2015		D	NONE
Carbon to Nitrogen Ratio (Topsoil - BS3882:2015)	Carbon to Nitrogen ratio (:1) calculated using Loss on Ignition.	BS3882:2015	L01TS2015	W	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Kjeldahl nitrogen in soil	Determination of total nitrogen using the Kjeldahl-digestion method and colorimetric determination.	In house method based on BS 7755-3.7:1995 &	L087-PL	D	NONE
Topsoil	See attached report.	BS 3882: 2015	PL	W	NONE
Mass loss on ignition (Topsoil - BS3882)	Determination of Loss on Ignition as per BS 3882:2015.	BS3882:2015	L047-PL	D	NONE
Carbonate (Topsoil - BS3882)	Determination of Carbonate as per BS 3882:2015.	BS3882:2015	L034-PL	D	NONE
Phosphorus as PO4 (BS3882/BS8601)	Determiation of the extractable phosphorus in soil, in accordance with BS3882:2007 methodology.	BS3882:2015 & BS8601:2013	L048-PL	D	NONE
Coarse Fragment and Contaminant Analysis	Determination of >2mm contaminants	BS3882:2007 & BS8601:2013 & PAS 100:2005	L01TS	D	NONE
Nitrogen (TKN)	Determination of total nitrogen by Kjeldahl method.	BS3882:2007	L087-PL	D	NONE
Conductivity (BS3882/BS8601)	Determination of the conductivity of soil in accordance with BS 3882:2007 methodology	BS3882:2007 & BS8601:2013	L099-PL	D	NONE
pH (BS3882/BS8601)	Determination of the pH of soil in accordance with BS 3882:2007 methodology	BS3882:2007 & BS8601:2013	L099-PL	D	NONE
Extractable/Available Metals (BS3882/BS8601)	Determiation of the extractable metals in soil, in accordance with BS3882:2007 methodology.	BS3882:2007 & BS8601:2013	L038-PL	D	NONE
Sodium (exchangeable %)	Determination of exchangeable sodium (%) by calculation, in accordance with BS3882:2007 methodology.	BS3882:2007	L038-PL	D	NONE

Analytical Report Number : 22-83979
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Textural Classification (BS3882/BS8601)	Determination of the textural classifcation of soil following BS3882:2007 methodology.	BS3882:2007 & BS8601:2013	L01TS	D	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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

TEST CERTIFICATE

SPECIFICATION FOR TOPSOIL
Tested in Accordance with: BS 3882: 2015

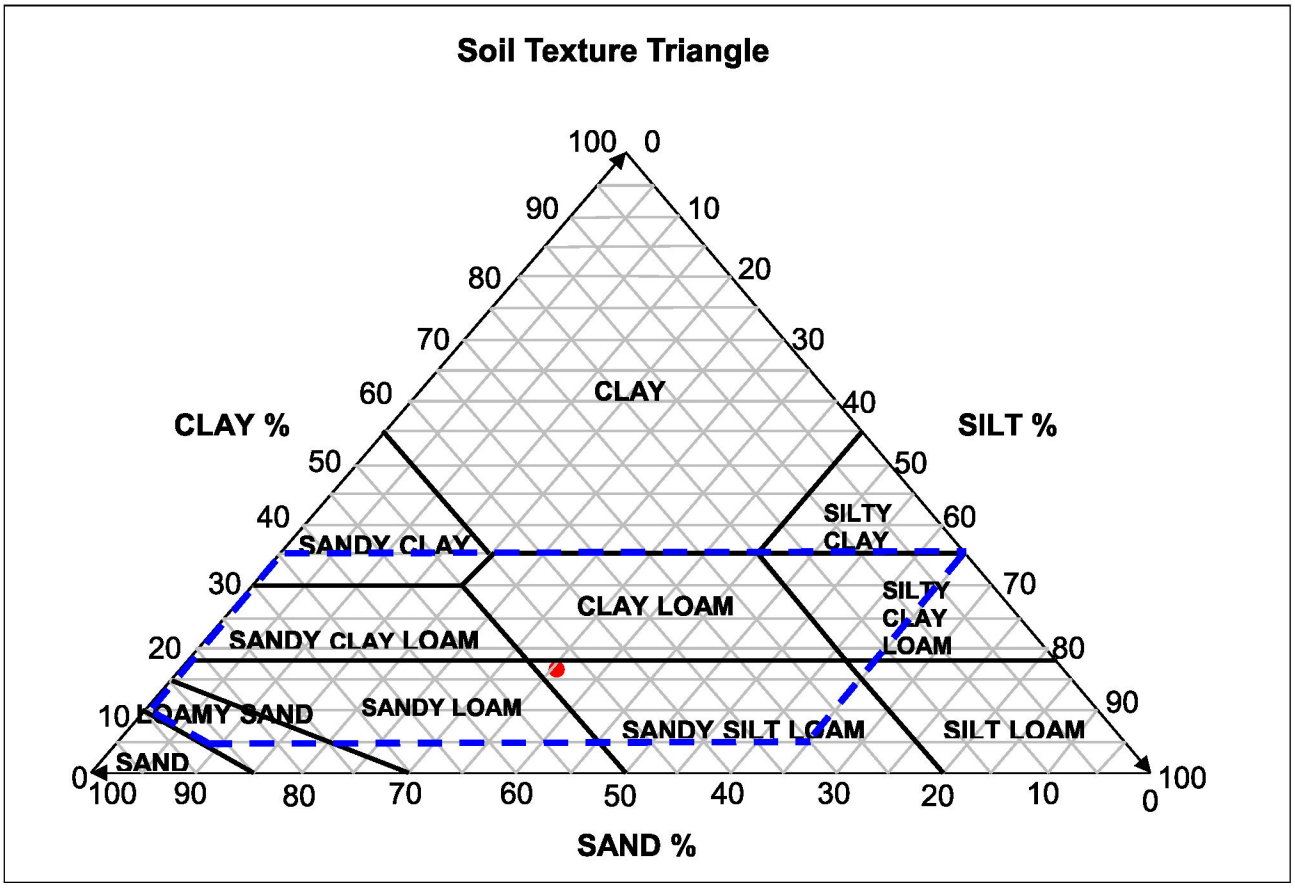
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

Client:	Hydrock Consultants Ltd	Client Reference:	19114
Client Address:	2-4 Hawthorne Park, Holdenby Road, Spratton, Northamptonshire, NN6 8LD	Job Number:	22-82417
		Date Sampled:	26/08/2022
		Date Received:	06/09/2022
Contact:	Nathan Thompson	Date Tested:	12/09/2022
Site Address:	Begbroke	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	2415215	Depth Top [m]:	0.20
Hole No.:	WS232	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	SANDY SILT LOAM		



Sample Proportion	% dry mass
Sand	48.3
Silt	34.0
Clay	17.7
Compliant with range (Y/N)	
Multipurpose topsoil	Y

Remarks:

Signed: [redacted]

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/09/2022

GF 286.9

TEST CERTIFICATE

SPECIFICATION FOR TOPSOIL
Tested in Accordance with: BS 3882: 2015

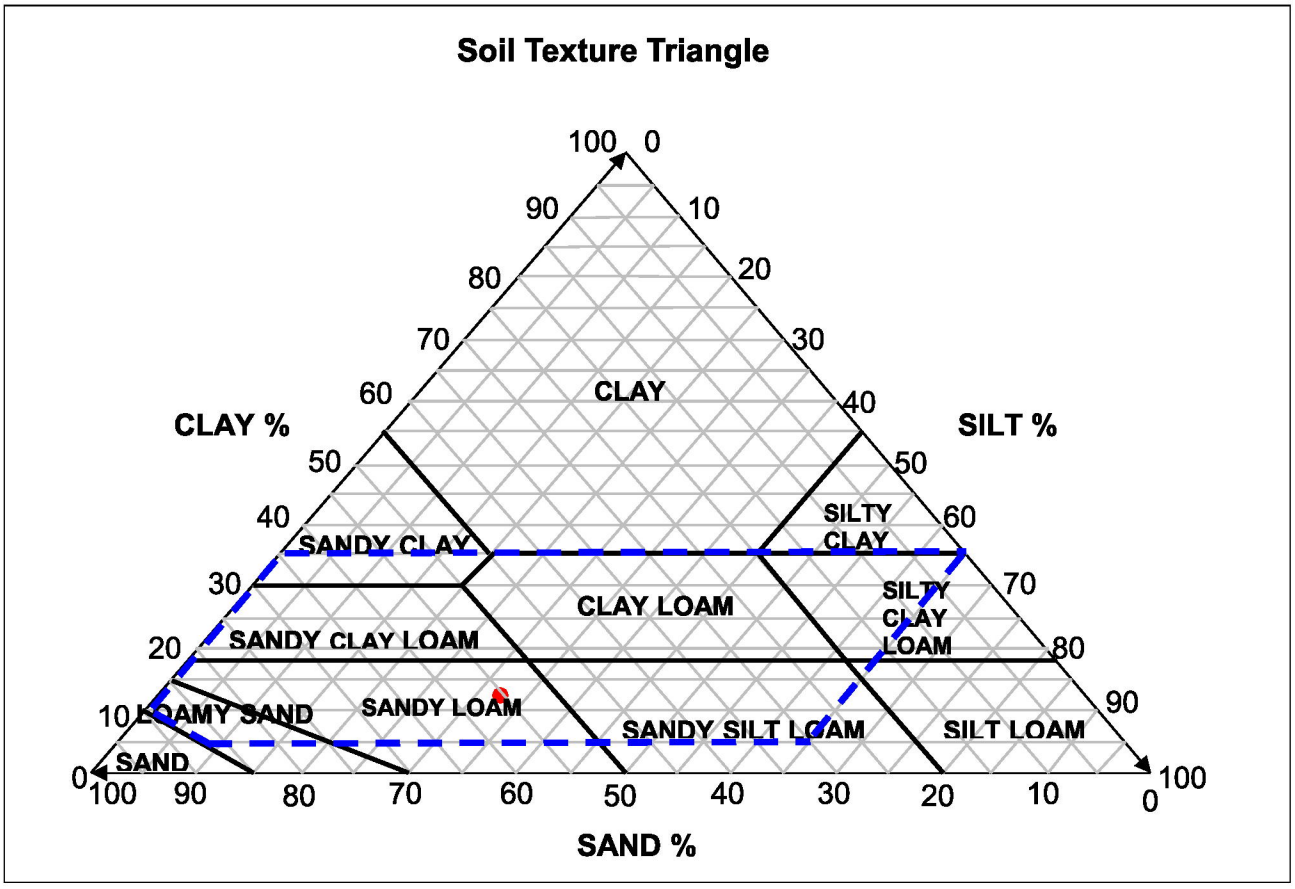
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

Client:	Hydrock Consultants Ltd	Client Reference:	19114
Client Address:	2-4 Hawthorne Park, Holdenby Road, Spratton, Northamptonshire, NN6 8LD	Job Number:	22-82417
		Date Sampled:	01/09/2022
		Date Received:	06/09/2022
Contact:	Nathan Thompson	Date Tested:	12/09/2022
Site Address:	Begbroke	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	2415216	Depth Top [m]:	0.10
Hole No.:	BH203	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	SANDY LOAM		



Sample Proportion	% dry mass
Sand	55.7
Silt	30.8
Clay	13.5
Compliant with range (Y/N)	
Multipurpose topsoil	Y

Remarks:

Signed: [redacted]

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/09/2022

GF 286.9

TEST CERTIFICATE

SPECIFICATION FOR TOPSOIL
Tested in Accordance with: BS 3882: 2015

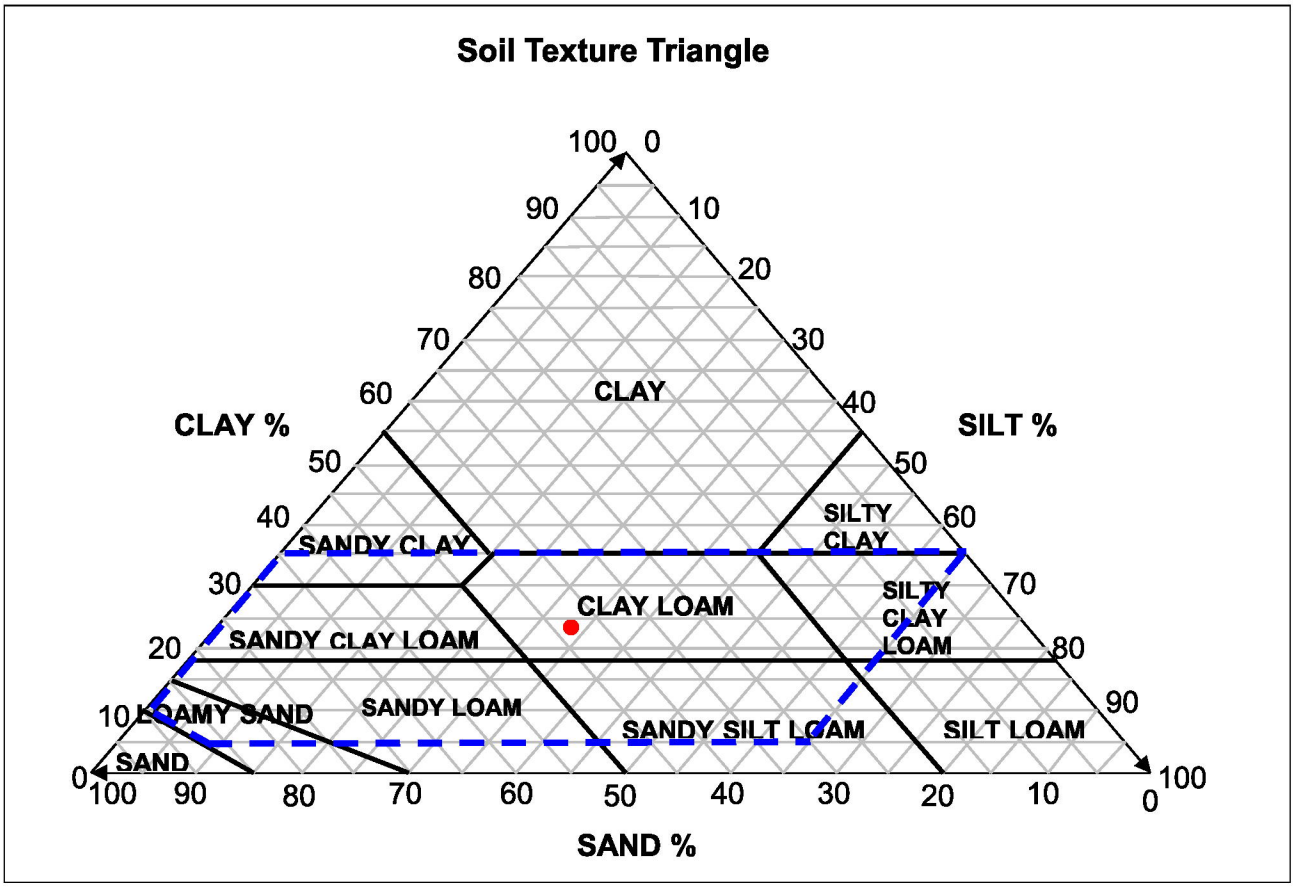
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

Client:	Hydrock Consultants Ltd	Client Reference:	19114
Client Address:	2-4 Hawthorne Park, Holdenby Road, Spratton, Northamptonshire, NN6 8LD	Job Number:	22-82417
		Date Sampled:	01/09/2022
		Date Received:	06/09/2022
Contact:	Nathan Thompson	Date Tested:	12/09/2022
Site Address:	Begbroke	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	2415217	Depth Top [m]:	0.20
Hole No.:	WS251	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	CLAY LOAM		



Sample Proportion	% dry mass
Sand	43.6
Silt	31.9
Clay	24.5
Compliant with range (Y/N)	
Multipurpose topsoil	Y

Remarks:

Signed: [redacted]

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/09/2022

GF 286.9

Nathan Thompson
Hydrock Consultants Ltd
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Analytical Report Number : 22-82417

Project / Site name:	Begbroke	**Samples received on:**	06/09/2022
Your job number:	19114	**Samples instructed on/ Analysis started on:**	06/09/2022
Your order number:	PO19941	**Analysis completed by:**	16/09/2022
Report Issue Number:	1	**Report issued on:**	16/09/2022
Samples Analysed:	3 soil samples		

Signed: [redacted]

Elżbieta Suchy
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
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An estimate of measurement uncertainty can be provided on request.

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Certificate of Analysis

BS 3882:2015 Specification For Topsoil

	Pass BS 3882 for Low fertility;		client	
Report No:	**22-82417**		**Hydrock Consultants Ltd**	
Location	Begbroke			
Lab Reference (Sample Number)	2415215		01604842888	
Sampling Date	26/08/2022			
Sample ID	WS232			
Depth (m)	**0.20**			

		unit	Result	Compliant with range (Y/N)					
				Multi-P	**Acid**	**Calc**	**Low-F**	**Low-F(a)**	**Low-F(c)**
Soil texture	<2mm fraction	%m/m	SANDY SILT LOAM	Y	Y	Y	Y	Y	Y
Maximum coarse fragment content:	>2mm	%m/m	3.50	Y	Y	Y	Y	Y	Y
	>20mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
	>50mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
Mass loss on ignition		%	3.30						
	Clay 5-20%		Y	Y	Y	Y	Y	Y	Y
	Clay 20-35%		-	-	-	-	-	-	-
Soil pH:		pH	7.00	Y	N	N	Y	N	N
Carbonate:		%m/m	4.40	-	-	Y	-	-	Y
Available plant nutrients	Nitrogen	%m/m	0.19	Y	Y	Y	-	-	-
	Extractable Phosphate (as P)	mg/l	18.00	Y	Y	Y	Y	Y	Y
	Extractable Potassium	mg/l	67.80	N	N	N	-	-	-
	Extractable Magnesium	mg/l	32.00	N	N	N	-	-	-
Carbon: Nitrogen Ratio:		:1	11.00	Y	Y	Y	Y	Y	Y
Conductivity		us/cm	1900.00	Y	-	-	-	-	-
Phytotoxic contaminants:	** Total Zinc	mg/kg	67.00	Y	Y	Y	Y	Y	Y
	** Total Copper	mg/kg	15.00	Y	Y	Y	Y	Y	Y
	** Total Nickel	mg/kg	25.00	Y	Y	Y	Y	Y	Y
Visible contaminants:	>2mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
	Plastics	%m/m	0.00	Y	Y	Y	Y	Y	Y
	Sharps	no. in 1 kg	0.00	Y	Y	Y	Y	Y	Y
Compliancy:				Fail	Fail	Fail	Pass	Fail	Fail

Results are expressed on a dry weight basis, after correction for moisture content where applicable
Stated limits are for guidance only and I2 cannot be held responsible for any discrepencies with current legislation

** = MCERTS accrediited

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Certificate of Analysis

BS 3882:2015 Specification For Topsoil

	Pass BS 3882 for Low fertility;		client	
Report No:	**22-82417**		**Hydrock Consultants Ltd**	
Location	Begbroke			
Lab Reference (Sample Number)	2415216		01604842888	
Sampling Date	01/09/2022			
Sample ID	BH203			

				Compliant with range (Y/N)					
		unit	**Result**	**Multi-P**	**Acid**	**Calc**	**Low-F**	**Low-F(a)**	**Low-F(c)**
Depth (m)	**0.10**								
Soil texture	<2mm fraction	%m/m	SANDY LOAM	Y	Y	Y	Y	Y	Y
Maximum coarse fragment content:	>2mm	%m/m	5.90	Y	Y	Y	Y	Y	Y
	>20mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
	>50mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
Mass loss on ignition		%	4.10						
	Clay 5-20%		Y	Y	Y	Y	Y	Y	Y
	Clay 20-35%		-	-	-	-	-	-	-
Soil pH:		pH	6.80	Y	N	N	Y	N	N
Carbonate:		%m/m	3.90	-	-	Y	-	-	Y
Available plant nutrients	Nitrogen	%m/m	0.19	Y	Y	Y	-	-	-
	Extractable Phosphate (as P)	mg/l	11.00	N	N	N	Y	Y	Y
	Extractable Potassium	mg/l	102.00	N	N	N	-	-	-
	Extractable Magnesium	mg/l	43.00	N	N	N	-	-	-
Carbon: Nitrogen Ratio:		:1	13.00	Y	Y	Y	Y	Y	Y
Conductivity		us/cm	1800.00	Y	-	-	-	-	-
Phytotoxic contaminants:	** Total Zinc	mg/kg	84.00	Y	Y	Y	Y	Y	Y
	** Total Copper	mg/kg	14.00	Y	Y	Y	Y	Y	Y
	** Total Nickel	mg/kg	29.00	Y	Y	Y	Y	Y	Y
Visible contaminants:	>2mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
	Plastics	%m/m	0.00	Y	Y	Y	Y	Y	Y
	Sharps	no. in 1 kg	0.00	Y	Y	Y	Y	Y	Y
Compliancy:				Fail	Fail	Fail	Pass	Fail	Fail

Results are expressed on a dry weight basis, after correction for moisture content where applicable
Stated limits are for guidance only and I2 cannot be held responsible for any discrepencies with current legislation

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Certificate of Analysis

BS 3882:2015 Specification For Topsoil

	Pass BS 3882 for Low fertility;		client	
Report No:	**22-82417**		**Hydrock Consultants Ltd**	
Location	Begbroke			
Lab Reference (Sample Number)	2415217		01604842888	
Sampling Date	01/09/2022			
Sample ID	WS251			
Depth (m)	**0.20**			

		unit	Result	Compliant with range (Y/N) Multi-P	Acid	Calc	Low-F	Low-F(a)	Low-F(c)
Soil texture	<2mm fraction	%m/m	CLAY LOAM	Y	Y	Y	Y	Y	Y
Maximum coarse fragment content:	>2mm	%m/m	8.10	Y	Y	Y	Y	Y	Y
	>20mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
	>50mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
Mass loss on ignition		%	3.80						
	Clay 5-20%		-	-	-	-	-	-	-
	Clay 20-35%		Y	N	N	N	Y	Y	Y
Soil pH:		pH	7.10	Y	N	N	Y	N	N
Carbonate:		%m/m	5.80	-	-	Y	-	-	Y
Available plant nutrients	Nitrogen	%m/m	0.18	Y	Y	Y	-	-	-
	Extractable Phosphate (as P)	mg/l	3.70	N	N	N	Y	Y	Y
	Extractable Potassium	mg/l	39.40	N	N	N	-	-	-
	Extractable Magnesium	mg/l	33.00	N	N	N	-	-	-
Carbon: Nitrogen Ratio:		:1	12.00	Y	Y	Y	Y	Y	Y
Conductivity		us/cm	1800.00	Y	-	-	-	-	-
Phytotoxic contaminants:	** Total Zinc	mg/kg	54.00	Y	Y	Y	Y	Y	Y
	** Total Copper	mg/kg	9.90	Y	Y	Y	Y	Y	Y
	** Total Nickel	mg/kg	25.00	Y	Y	Y	Y	Y	Y
Visible contaminants:	>2mm	%m/m	0.00	Y	Y	Y	Y	Y	Y
	Plastics	%m/m	0.00	Y	Y	Y	Y	Y	Y
	Sharps	no. in 1 kg	0.00	Y	Y	Y	Y	Y	Y
Compliancy:				Fail	Fail	Fail	Pass	Fail	Fail

Results are expressed on a dry weight basis, after correction for moisture content where applicable
Stated limits are for guidance only and I2 cannot be held responsible for any discrepencies with current legislation

** = MCERTS accrediited

Analytical Report Number : 22-82417
Project / Site name: Begbroke

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2415215	WS232	None Supplied	0.2	Brown sand with fibrous material and gravel
2415216	BH203	None Supplied	0.1	Brown loam and clay with gravel.
2415217	WS251	None Supplied	0.2	Brown loam and clay with gravel.

Analytical Report Number : 22-82417
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Geotechnical Testing in Soil	See attached geotechnical report	See attached geotechnical report		W	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Textural Classification Diagram	Textural classification Diagram	BS3882:2015		D	NONE
Carbon to Nitrogen Ratio (Topsoil - BS3882:2015)	Carbon to Nitrogen ratio (:1) calculated using Loss on Ignition.	BS3882:2015	L01TS2015	W	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Kjeldahl nitrogen in soil	Determination of total nitrogen using the Kjeldahl-digestion method and colorimetric determination.	In house method based on BS 7755-3.7:1995 &	L087-PL	D	NONE
Topsoil	See attached report.	BS 3882: 2015	PL	W	NONE
Mass loss on ignition (Topsoil - BS3882)	Determination of Loss on Ignition as per BS 3882:2015.	BS3882:2015	L047-PL	D	NONE
Carbonate (Topsoil - BS3882)	Determination of Carbonate as per BS 3882:2015.	BS3882:2015	L034-PL	D	NONE
Phosphorus as PO4 (BS3882/BS8601)	Determiation of the extractable phosphorus in soil, in accordance with BS3882:2007 methodology.	BS3882:2015 & BS8601:2013	L048-PL	D	NONE
Coarse Fragment and Contaminant Analysis	Determination of >2mm contaminants	BS3882:2007 & BS8601:2013 & PAS 100:2005	L01TS	D	NONE
Nitrogen (TKN)	Determination of total nitrogen by Kjeldahl method.	BS3882:2007	L087-PL	D	NONE
Conductivity (BS3882/BS8601)	Determination of the conductivity of soil in accordance with BS 3882:2007 methodology	BS3882:2007 & BS8601:2013	L099-PL	D	NONE
pH (BS3882/BS8601)	Determination of the pH of soil in accordance with BS 3882:2007 methodology	BS3882:2007 & BS8601:2013	L099-PL	D	NONE
Extractable/Available Metals (BS3882/BS8601)	Determiation of the extractable metals in soil, in accordance with BS3882:2007 methodology.	BS3882:2007 & BS8601:2013	L038-PL	D	NONE
Sodium (exchangeable %)	Determination of exchangeable sodium (%) by calculation, in accordance with BS3882:2007 methodology.	BS3882:2007	L038-PL	D	NONE

Analytical Report Number : 22-82417
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Textural Classification (BS3882/BS8601)	Determination of the textural classifcation of soil following BS3882:2007 methodology.	BS3882:2007 & BS8601:2013	L01TS	D	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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

TEST CERTIFICATE

SPECIFICATION FOR TOPSOIL
Tested in Accordance with: BS 3882: 2015

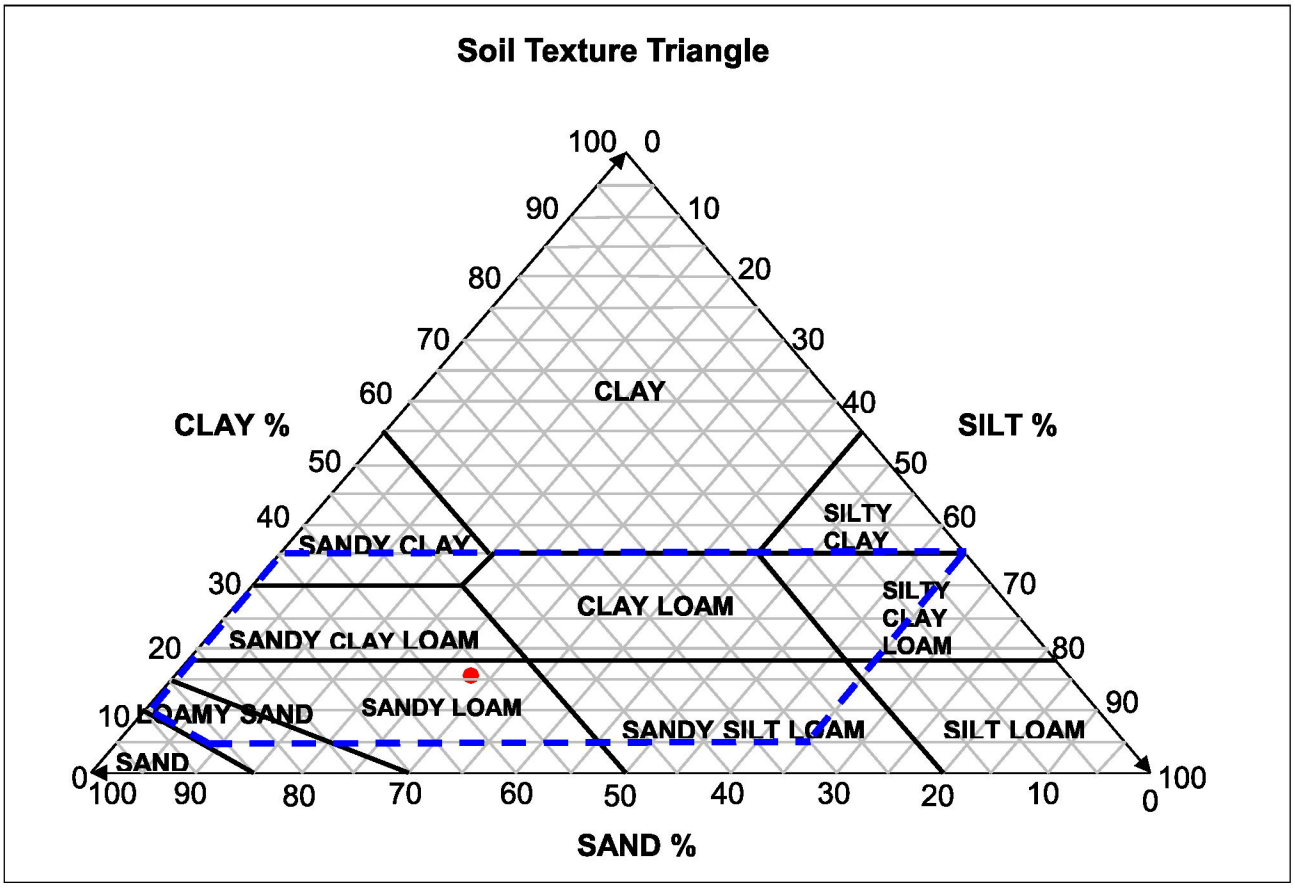
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

Client:	Hydrock Consultants Ltd	Client Reference:	19114
Client Address:	2-4 Hawthorne Park, Holdenby Road, Spratton, Northamptonshire, NN6 8LD	Job Number:	22-83979
		Date Sampled:	31/08/2022
		Date Received:	13/09/2022
Contact:	Nathan Thompson	Date Tested:	16/09/2022
Site Address:	Begbroke	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	2423946	Depth Top [m]:	0.20
Hole No.:	WS221	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	ES
Sample Description:	SANDY LOAM		



Sample Proportion	% dry mass
Sand	56.9
Silt	26.4
Clay	16.7
Compliant with range (Y/N)	
Multipurpose topsoil	Y

Remarks:

Signed: [redacted]

Anna Dudzinska
PL Deputy Head of Reporting Team
for and on behalf of i2 Analytical Ltd

Date Reported: 21/09/2022

GF 286.9

Nathan Thompson
Hydrock Consultants Ltd
2-4 Hawthorne Park
Holdenby Road
Spratton
Northamptonshire
NN6 8LD

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Herts,
WD18 8YS

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e: reception@i2analytical.com

Analytical Report Number : 21-99303

Project / Site name:	Begbroke	**Samples received on:**	14/09/2021
Your job number:	C-19114-C	**Samples instructed on/ Analysis started on:**	15/09/2021
Your order number:	PO09846	**Analysis completed by:**	21/09/2021
Report Issue Number:	1	**Report issued on:**	21/09/2021
Samples Analysed:	3 water samples		

Signed: [redacted]

Izabela Wójcik
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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

Analytical Report Number: 21-99303
Project / Site name: Begbroke

Your Order No: PO09846

Lab Sample Number				2010451	2010452	2010453
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.62	3.44	3.06
Date Sampled				14/09/2021	14/09/2021	14/09/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
General Inorganics						
pH	pH Units	N/A	ISO 17025	6.9	6.7	6.8
Electrical Conductivity at 20 °C	µS/cm	10	ISO 17025	830	1300	1300
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	2.6
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Sulphate as SO4	µg/l	45	ISO 17025	127000	573000	406000
Chloride	mg/l	0.15	ISO 17025	34	34	28
Fluoride	µg/l	50	ISO 17025	140	110	120
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	69	1800	18000
Ammoniacal Nitrogen as NH3	µg/l	15	ISO 17025	84	2200	22000
Ammoniacal Nitrogen as NH4	µg/l	15	ISO 17025	89	2300	24000
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	1.08	6.07	4.99
Nitrate as N	mg/l	0.01	ISO 17025	3.02	0.34	2.21
Nitrate as NO3	mg/l	0.05	ISO 17025	13.4	1.50	9.81
Nitrite as N	µg/l	1	ISO 17025	50	< 1.0	1.7
Nitrite as NO2	µg/l	5	ISO 17025	160	< 5.0	5.5
Hardness - Total	mgCaCO3/l	1	ISO 17025	593	1290	921
Bromate by IC	mg/l	0.002	ISO 17025	< 0.002	< 0.002	< 0.002
Total Phenols						
Total Phenols (monohydric)	µg/l	1	ISO 17025	1.2	< 1.0	2.0
Speciated PAHs						
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.001	NONE	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.001	NONE	< 0.001	< 0.001	< 0.001
PAH Sums						
Sum of Benzo(b)fluoranthene & Benzo(k)fluoranthene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020
Sum of Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020
Sum of Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.04	NONE	< 0.040	< 0.040	< 0.040
Total PAH						
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16

Analytical Report Number: 21-99303
Project / Site name: Begbroke

Your Order No: PO09846

Lab Sample Number				2010451	2010452	2010453
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.62	3.44	3.06
Date Sampled				14/09/2021	14/09/2021	14/09/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Heavy Metals / Metalloids						
Boron (dissolved)	µg/l	10	ISO 17025	210	1400	780
Calcium (dissolved)	mg/l	0.012	ISO 17025	220	450	310
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE	5.3	7.6	7.1
Iron (dissolved)	mg/l	0.004	ISO 17025	0.014	0.11	0.042
Iron (dissolved)	µg/l	4	ISO 17025	14	110	42
Magnesium (dissolved)	mg/l	0.005	ISO 17025	9.0	39	35
Sodium (dissolved)	mg/l	0.01	ISO 17025	33	49	40
Aluminium (dissolved)	µg/l	1	ISO 17025	4.0	43	1.6
Antimony (dissolved)	µg/l	0.4	ISO 17025	0.5	0.6	0.6
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.45	6.01	2.70
Barium (dissolved)	µg/l	0.06	ISO 17025	59	31	74
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.03	< 0.02	0.06
Chromium (dissolved)	µg/l	0.2	ISO 17025	5.3	7.6	7.1
Cobalt (dissolved)	µg/l	0.2	ISO 17025	1.5	6.2	17
Copper (dissolved)	µg/l	0.5	ISO 17025	2.7	1.4	3.1
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	320	670	2500
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	5.6	11	16
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6	< 0.6
Silver (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Tin (dissolved)	µg/l	0.2	ISO 17025	0.35	< 0.20	< 0.20
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.2	0.3	< 0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025	5.6	5.3	8.3

Analytical Report Number: 21-99303
Project / Site name: Begbroke

Your Order No: PO09846

Lab Sample Number				2010451	2010452	2010453
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.62	3.44	3.06
Date Sampled				14/09/2021	14/09/2021	14/09/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Monoaromatics & Oxygenates						
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Sum of m, p & o-Xylene	µg/l	2	ISO 17025	< 2.0	< 2.0	< 2.0
Petroleum Hydrocarbons						
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C35 - C44	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C44)	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG Total C5 - C44	µg/l	10	NONE	< 10	< 10	< 10
VOCs						
Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0

Analytical Report Number: 21-99303
Project / Site name: Begbroke

Your Order No: PO09846

Lab Sample Number				2010451	2010452	2010453
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.62	3.44	3.06
Date Sampled				14/09/2021	14/09/2021	14/09/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0

Dichloromethane	µg/l	3	NONE	< 3.0	< 3.0	< 3.0
Dichlorodifluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0
Total Trihalomethanes	µg/l	4	NONE	< 4.0	< 4.0	< 4.0
Total Trichlorobenzenes	ug/l	3	NONE	< 3.0	< 3.0	< 3.0
Total Dichlorobenzenes	ug/l	3	NONE	< 3.0	< 3.0	< 3.0
Trichloroethylene (TCE) + Tetrachloroethylene (PCE)	ug/l	2	NONE	< 2.0	< 2.0	< 2.0
Total 1,2-Dichloroethene	ug/l	2	NONE	< 2.0	< 2.0	< 2.0
Total 1,3-Dichloropropane	ug/l	2	NONE	< 2.0	< 2.0	< 2.0
Tetrachloroethane	ug/l	2	NONE	< 2.0	< 2.0	< 2.0

VOCs TICs

VOCs TICs Compound Name		10	NONE	ND	ND	ND
VOC % Match	%	10	NONE	0	0	0

Analytical Report Number: 21-99303
Project / Site name: Begbroke

Your Order No: PO09846

Lab Sample Number				2010451	2010452	2010453
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.62	3.44	3.06
Date Sampled				14/09/2021	14/09/2021	14/09/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
SVOCs						
Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01

Analytical Report Number: 21-99303
Project / Site name: Begbroke

Your Order No: PO09846

Lab Sample Number				2010451	2010452	2010453
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.62	3.44	3.06
Date Sampled				14/09/2021	14/09/2021	14/09/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
3&4-Methylphenol	µg/l	0.1	NONE	< 0.10	< 0.10	< 0.10

SVOCs TICs

SVOCs TICs Compound Name		N/A	NONE	ND	ND	ND
SVOC % Match	%	N/A	NONE	0	0	0

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-99303
Project / Site name: Begbroke

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Boron in water	Determination of boron in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM	L039-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Electrical conductivity at 20oC of water	Determination of electrical conductivity in water by electrometric measurement. Accredited Matrices SW, GW, PW	In-house method	L031-PL	W	ISO 17025
Fluoride in water	Determination of fluoride in water by 1:1 ratio with a buffer solution followed by Ion Selective Electrode. Accredited matrices: SW, PW, GW.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Total Hardness of water	Determination of hardness in waters by calculation from calcium and magnesium. Accredited Matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	W	ISO 17025
Monohydric phenols in water - LOW LEVEL 1 ug/l	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	ISO 17025
Nitrite in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry).Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrate in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds in leachate by extraction in dichloromethane followed by GC-MS.	In-house method based on USEPA 8270	L102B-PL	W	NONE
Tentatively identified compounds (SVOC) in water	Determination of semi-volatile organic compounds total ion count in water by extraction with hexane followed by GC-MS followed by a full library scan.	In-house method based on USEPA 8270	L070-PL	W	NONE
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	NONE
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Tentatively identified compounds (VOC) in water	Determination of volatile organic compounds total ion count in water by headspace GC-MS followed by a full library scan.	In-house method based on USEPA8260	L073B-PL	W	NONE

Analytical Report Number : 21-99303
Project / Site name: Begbroke

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Dissolved Organic Carbon in water	Determination of dissolved inorganic carbon in water by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	ISO 17025
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Speciated EPA-16 PAHs in water (LOW LEVEL Dets)	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270 (low level)	L102B-PL	W	NONE
TPH in (Water)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding.	L070-PL	W	NONE
Ammonia as NH3 in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Ammoniacal Nitrogen as N in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the discrete analyser (colorimetric) salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Ammonium as NH4 in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrite as N in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry). Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrate as N in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
TPH Chromatogram in Water	TPH Chromatogram in Water.	In-house method	L070-PL	W	NONE
Volatile organic compounds in water extended	Determination of volatile organic compounds in water by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	NONE
Cr (III) in water	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
Low level total cyanide in water	Determination of total cyanide by distillation followed by colorimetry. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-PL	W	ISO 17025
Free cyanide (low level) in water	Determination of free cyanide by distillation followed by colorimetry.Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Bromate in Water	Determination of bromate in waters based on ion chromatography. Accredited matrices GW, PW, SW.	In house method based on Standard Methods for the Analysis of Water and Waste Water, method 4500	L008-PL	W	ISO 17025
Specific PAH sums in water	Determination of PAH compounds in water by extraction in hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L070-PL	W	NONE

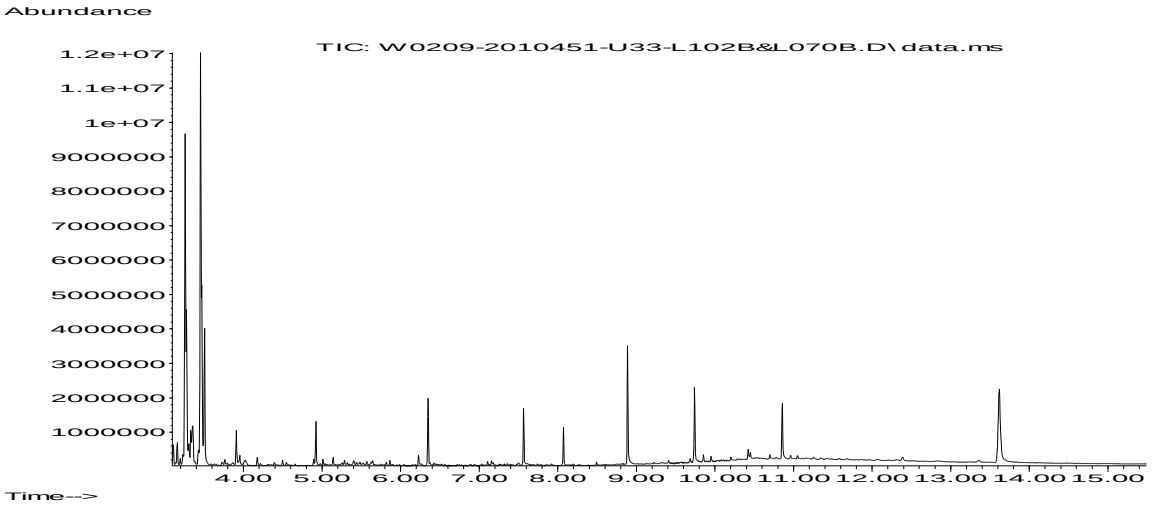
Analytical Report Number : 21-99303
Project / Site name: Begbroke

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Chloride in water	Determination of Chloride (diissolved) colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260. Accredited matrices: SW, PW, GW.	L082-PL	W	ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.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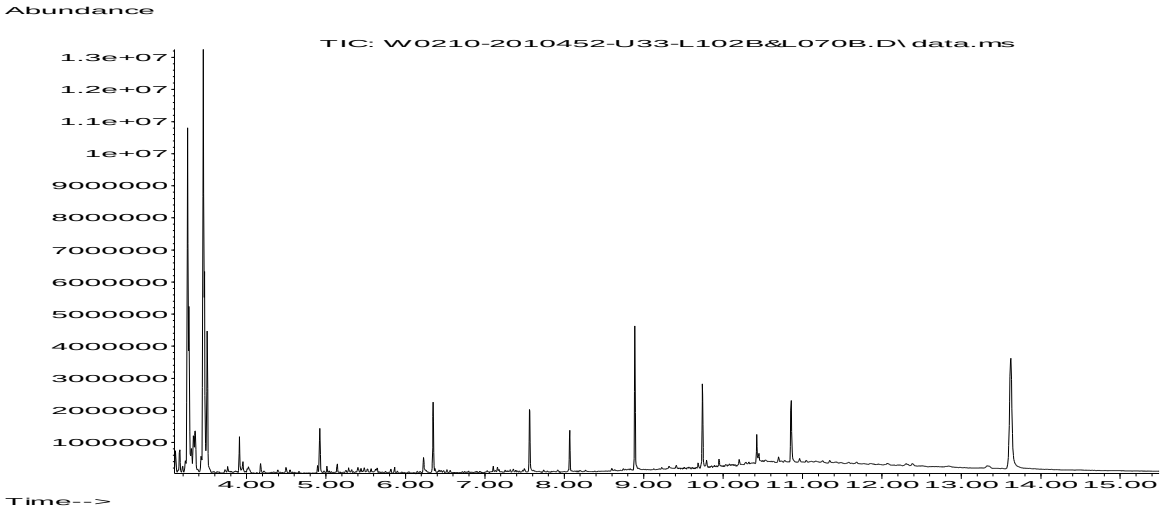
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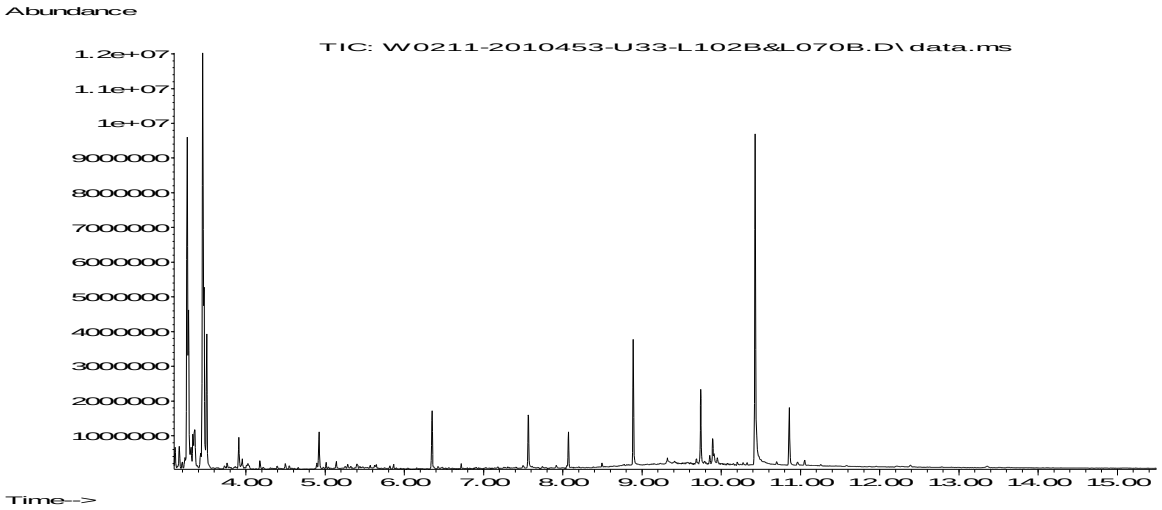
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Analytical Report Number : 21-95097

Project / Site name:	Begbroke	**Samples received on:**	24/08/2021
Your job number:	C-19114-C	**Samples instructed on/ Analysis started on:**	25/08/2021
Your order number:	PO09383	**Analysis completed by:**	02/09/2021
Report Issue Number:	1	**Report issued on:**	02/09/2021
Samples Analysed:	3 water samples		

Signed: [redacted]

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Analytical Report Number: 21-95097
Project / Site name: Begbroke

Your Order No: PO09383

Lab Sample Number				1985416	1985417	1985418
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.55	3.80	3.45
Date Sampled				24/08/2021	24/08/2021	24/08/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
General Inorganics						
pH	pH Units	N/A	ISO 17025	7.0	6.8	6.9
Electrical Conductivity at 20 °C	µS/cm	10	ISO 17025	960	1200	1100
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	3.1
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Sulphate as SO4	µg/l	45	ISO 17025	170000	645000	491000
Chloride	mg/l	0.15	ISO 17025	34	32	28
Fluoride	µg/l	50	ISO 17025	130	170	130
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	77	1600	18000
Ammoniacal Nitrogen as NH3	µg/l	15	ISO 17025	93	1900	21000
Ammoniacal Nitrogen as NH4	µg/l	15	ISO 17025	99	2000	23000
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	2.75	5.87	6.14
Nitrate as N	mg/l	0.01	ISO 17025	3.46	0.10	0.23
Nitrate as NO3	mg/l	0.05	ISO 17025	15.3	0.46	1.03
Nitrite as N	µg/l	1	ISO 17025	330	< 1.0	3.8
Nitrite as NO2	µg/l	5	ISO 17025	1100	< 5.0	13
Hardness - Total	mgCaCO3/l	1	ISO 17025	701	1460	1130
Bromate by IC	mg/l	0.002	NONE	< 0.002	< 0.002	< 0.002
Total Phenols						
Total Phenols (monohydric)	µg/l	1	ISO 17025	1.6	2.0	2.8

Analytical Report Number: 21-95097
Project / Site name: Begbroke

Your Order No: PO09383

Lab Sample Number				1985416	1985417	1985418
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.55	3.80	3.45
Date Sampled				24/08/2021	24/08/2021	24/08/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Speciated PAHs						
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
PAH Sums						
Sum of Benzo(b)fluoranthene & Benzo(k)fluoranthene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020
Sum of Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.02	NONE	< 0.020	< 0.020	< 0.020
Sum of Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.04	NONE	< 0.040	< 0.040	< 0.040
Total PAH						
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16

Analytical Report Number: 21-95097
Project / Site name: Begbroke

Your Order No: PO09383

Lab Sample Number				1985416	1985417	1985418
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.55	3.80	3.45
Date Sampled				24/08/2021	24/08/2021	24/08/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Heavy Metals / Metalloids						
Boron (dissolved)	µg/l	10	ISO 17025	240	1500	960
Calcium (dissolved)	mg/l	0.012	ISO 17025	260	510	380
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE	6.7	9.2	8.4
Iron (dissolved)	mg/l	0.004	ISO 17025	0.023	0.42	0.016
Iron (dissolved)	µg/l	4	ISO 17025	23	420	17
Magnesium (dissolved)	mg/l	0.005	ISO 17025	12	48	41
Sodium (dissolved)	mg/l	0.01	ISO 17025	57	60	48
Aluminium (dissolved)	µg/l	1	ISO 17025	67	2.6	15
Antimony (dissolved)	µg/l	0.4	ISO 17025	0.8	0.5	0.6
Arsenic (dissolved)	µg/l	0.15	ISO 17025	1.21	6.85	2.49
Barium (dissolved)	µg/l	0.06	ISO 17025	69	31	75
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.03	< 0.02	0.05
Chromium (dissolved)	µg/l	0.2	ISO 17025	6.7	9.2	8.4
Cobalt (dissolved)	µg/l	0.2	ISO 17025	1.9	8.7	19
Copper (dissolved)	µg/l	0.5	ISO 17025	8.5	3.7	6.4
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	230	810	1900
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	7.0	14	15
Selenium (dissolved)	µg/l	0.6	ISO 17025	3.0	0.9	0.8
Silver (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Tin (dissolved)	µg/l	0.2	ISO 17025	0.27	< 0.20	0.29
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.6	0.3	0.3
Zinc (dissolved)	µg/l	0.5	ISO 17025	6.9	7.0	9.5
Monoaromatics & Oxygenates						
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Sum of m, p & o-Xylene	µg/l	2	ISO 17025	< 2.0	< 2.0	< 2.0

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Project / Site name: Begbroke

Your Order No: PO09383

Lab Sample Number				1985416	1985417	1985418
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.55	3.80	3.45
Date Sampled				24/08/2021	24/08/2021	24/08/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status			
Petroleum Hydrocarbons						
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C35 - C44	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C44)	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG Total C5 - C44	µg/l	10	NONE	< 10	< 10	< 10
VOCs						
Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0

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Project / Site name: Begbroke

Your Order No: PO09383

Lab Sample Number				1985416	1985417	1985418
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.55	3.80	3.45
Date Sampled				24/08/2021	24/08/2021	24/08/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0

Dichloromethane	µg/l	3	NONE	< 3.0	< 3.0	< 3.0
Dichlorodifluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0
Total Trihalomethanes	µg/l	4	NONE	< 4.0	< 4.0	< 4.0
Total Trichlorobenzenes	ug/l	3	NONE	< 3.0	< 3.0	< 3.0
Total Dichlorobenzenes	ug/l	3	NONE	< 3.0	< 3.0	< 3.0
Trichloroethylene (TCE) + Tetrachloroethylene (PCE)	ug/l	2	NONE	< 2.0	< 2.0	< 2.0
Total 1,2-Dichloroethene	ug/l	2	NONE	< 2.0	< 2.0	< 2.0
Total 1,3-Dichloropropane	ug/l	2	NONE	< 2.0	< 2.0	< 2.0
Tetrachloroethane	ug/l	2	NONE	< 2.0	< 2.0	< 2.0

VOCs TICs

VOCs TICs Compound Name		10	NONE	ND	ND	ND

SVOCs

Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05

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Project / Site name: Begbroke

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Lab Sample Number				1985416	1985417	1985418
Sample Reference				BH01	BH02	BH03
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				4.55	3.80	3.45
Date Sampled				24/08/2021	24/08/2021	24/08/2021
Time Taken				0900	0900	0900
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01

3&4-Methylphenol	µg/l	0.1	NONE	< 0.10	< 0.10	< 0.10

SVOCs TICs

SVOCs TICs Compound Name		N/A	NONE	ND	ND	ND

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-95097
Project / Site name: Begbroke

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Boron in water	Determination of boron in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM	L039-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Electrical conductivity at 20oC of water	Determination of electrical conductivity in water by electrometric measurement. Accredited Matrices SW, GW, PW	In-house method	L031-PL	W	ISO 17025
Fluoride in water	Determination of fluoride in water by 1:1 ratio with a buffer solution followed by Ion Selective Electrode. Accredited matrices: SW, PW, GW.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Total Hardness of water	Determination of hardness in waters by calculation from calcium and magnesium. Accredited Matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	W	ISO 17025
Monohydric phenols in water - LOW LEVEL 1 ug/l	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	ISO 17025
Nitrite in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry).Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrate in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds in leachate by extraction in dichloromethane followed by GC-MS.	In-house method based on USEPA 8270	L102B-PL	W	NONE
Tentatively identified compounds (SVOC) in water	Determination of semi-volatile organic compounds total ion count in water by extraction with hexane followed by GC-MS followed by a full library scan.	In-house method based on USEPA 8270	L070-PL	W	NONE
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	NONE
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Tentatively identified compounds (VOC) in water	Determination of volatile organic compounds total ion count in water by headspace GC-MS followed by a full library scan.	In-house method based on USEPA8260	L073B-PL	W	NONE

Analytical Report Number : 21-95097
Project / Site name: Begbroke

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Dissolved Organic Carbon in water	Determination of dissolved inorganic carbon in water by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	ISO 17025
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Speciated EPA-16 PAHs in water (LOW LEVEL Dets)	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270 (low level)	L102B-PL	W	NONE
TPH in (Water)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding.	L070-PL	W	NONE
Ammonia as NH3 in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Ammoniacal Nitrogen as N in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the discrete analyser (colorimetric) salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Ammonium as NH4 in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrite as N in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry). Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Nitrate as N in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
TPH Chromatogram in Water	TPH Chromatogram in Water.	In-house method	L070-PL	W	NONE
Volatile organic compounds in water extended	Determination of volatile organic compounds in water by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	NONE
Cr (III) in water	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
Low level total cyanide in water	Determination of total cyanide by distillation followed by colorimetry. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-PL	W	ISO 17025
Free cyanide (low level) in water	Determination of free cyanide by distillation followed by colorimetry.Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Bromate in Water	Determination of bromate in waters based on ion chromatography. Accredited matrices GW, PW, SW.	In house method based on Standard Methods for the Analysis of Water and Waste Water, method 4500	L008-PL	W	NONE
Specific PAH sums in water	Determination of PAH compounds in water by extraction in hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L070-PL	W	NONE

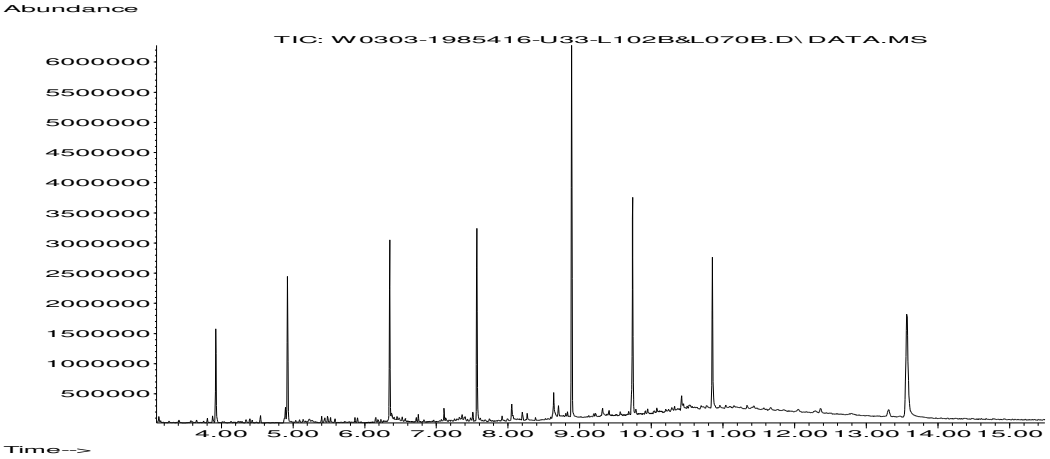
Analytical Report Number : 21-95097
Project / Site name: Begbroke

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Chloride in water	Determination of Chloride (diissolved) colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260. Accredited matrices: SW, PW, GW.	L082-PL	W	ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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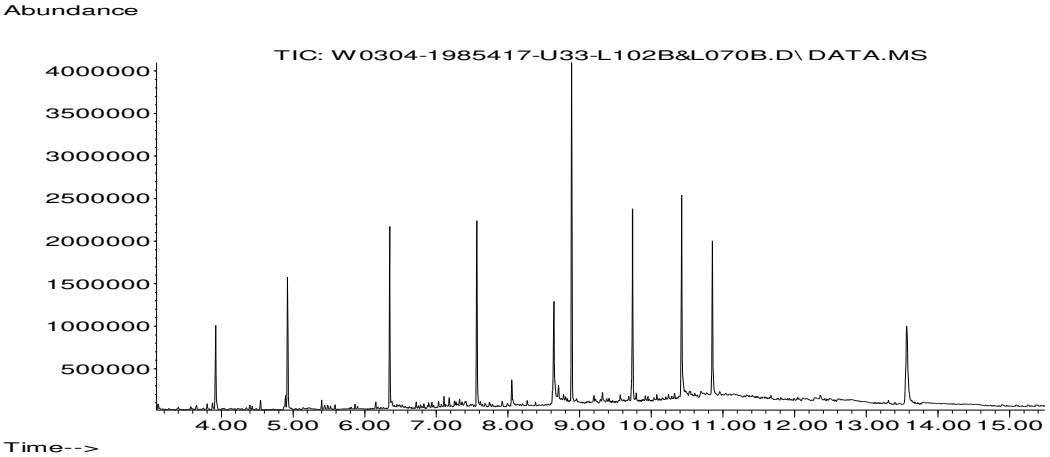

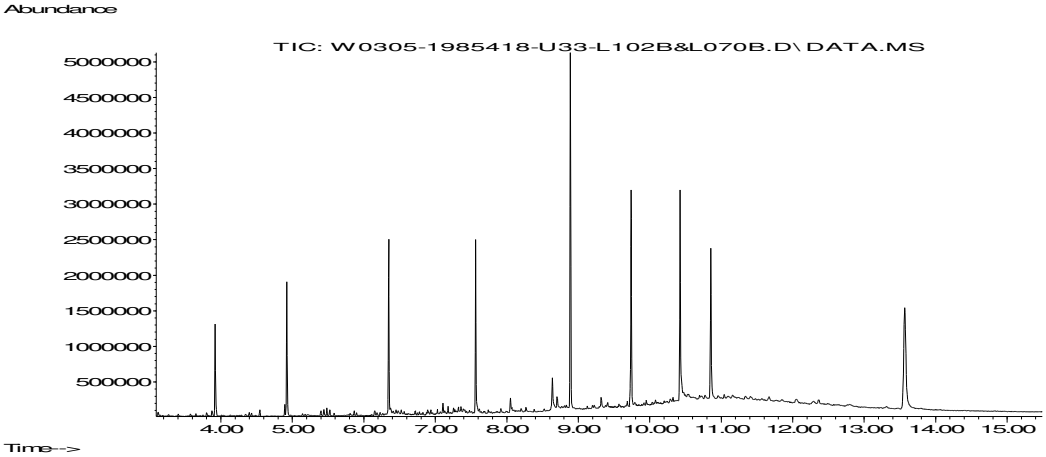
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Analytical Report Number : 21-96277

Replaces Analytical Report Number: 21-96277, issue no. 1
Result correction by laboratory.

Project / Site name:	Begbroke	**Samples received on:**	31/08/2021
Your job number:	C 19114 C	**Samples instructed on/ Analysis started on:**	31/08/2021
Your order number:	PO09383	**Analysis completed by:**	08/09/2021
Report Issue Number:	2	**Report issued on:**	08/09/2021
Samples Analysed:	32 soil samples		

Signed: [redacted]

Karolina Marek
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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

Analytical Report Number: 21-96277
Project / Site name: Begbroke
Your Order No: PO09383

Lab Sample Number				1992549	1992550	1992551	1992552	1992553
Sample Reference				BH01	BH02	BH02	BH03	TP01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50	3.00	1.50	1.00	1.00
Date Sampled				18/08/2021	19/08/2021	19/08/2021	18/08/2021	17/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	18	19	25	19	21
Total mass of sample received	kg	0.001	NONE	1.0	1.0	0.80	0.90	1.0
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	Chrysotile- Rope	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.9	7.9	7.3	7.9	8.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.22	1.7	1.4	0.28	1.4
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.013	0.028	0.046	0.018	0.023
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.62	0.32	1.3	0.27	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.62	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	2.0	0.92	2.1	0.72	< 0.05
Pyrene	mg/kg	0.05	MCERTS	1.9	0.93	2.0	0.66	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.5	< 0.05	1.6	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	1.2	< 0.05	1.2	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.7	< 0.05	1.7	0.64	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.53	< 0.05	0.51	0.27	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.3	< 0.05	1.4	0.50	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.96	< 0.05	0.93	0.35	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.27	< 0.05	0.28	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.0	< 0.05	1.0	0.40	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	13.0	2.17	14.7	3.81	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	78	84	40	53	73
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	2.0	2.4	3.2	1.6	3.0
Boron (water soluble)	mg/kg	0.2	MCERTS	1.8	3.4	6.6	12	8.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.5	5.3	2.5	3.4	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	75	74	54	55	55
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	75	74	54	56	55
Copper (aqua regia extractable)	mg/kg	1	MCERTS	35	1000	240	920	300
Lead (aqua regia extractable)	mg/kg	1	MCERTS	170	120	210	420	730
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	44	150	46	90	91
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	140	130	61	84	93
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	240	540	2100	3700	340

Analytical Report Number: 21-96277
Project / Site name: Begbroke
Your Order No: PO09383

Lab Sample Number				1992549	1992550	1992551	1992552	1992553
Sample Reference				BH01	BH02	BH02	BH03	TP01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50	3.00	1.50	1.00	1.00
Date Sampled				18/08/2021	19/08/2021	19/08/2021	18/08/2021	17/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Toluene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
o-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	6.7	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	48	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	920	-	-	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	MCERTS	-	970	-	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	340	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	970	-	-	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	1300	-	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	13	-	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	340	-	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	230	-	-	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	350	-	-	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	580	-	-	-
TPH Total C5 - C44	mg/kg	10	NONE	-	1900	-	-	-
VOCs								
Chloromethane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Chloroethane	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
Bromomethane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Vinyl Chloride	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
Trichlorofluoromethane	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
1,1-Dichloroethene	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1-Dichloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
2,2-Dichloropropane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Trichloromethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,2-Dichloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1-Dichloropropene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
Benzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0

Analytical Report Number: 21-96277
Project / Site name: Begbroke
Your Order No: PO09383

Lab Sample Number				1992549	1992550	1992551	1992552	1992553
Sample Reference				BH01	BH02	BH02	BH03	TP01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50	3.00	1.50	1.00	1.00
Date Sampled				18/08/2021	19/08/2021	19/08/2021	18/08/2021	17/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Tetrachloromethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,2-Dichloropropane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Trichloroethene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Dibromomethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Bromodichloromethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Toluene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Dibromochloromethane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Tetrachloroethene	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Chlorobenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
p & m-Xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Styrene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Tribromomethane	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
o-Xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Isopropylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Bromobenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
n-Propylbenzene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
2-Chlorotoluene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
4-Chlorotoluene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
tert-Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
sec-Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Hexachlorobutadiene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0

VOCs TICs

VOCs TICs Compound Name		N/A	NONE	-	ND	-	-	ND

SVOCs

Aniline	mg/kg	0.1	NONE	-	< 0.1	-	-	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	-	-	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3

Analytical Report Number: 21-96277
Project / Site name: Begbroke
Your Order No: PO09383

Lab Sample Number				1992549	1992550	1992551	1992552	1992553
Sample Reference				BH01	BH02	BH02	BH03	TP01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50	3.00	1.50	1.00	1.00
Date Sampled				18/08/2021	19/08/2021	19/08/2021	18/08/2021	17/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Hexachloroethane	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	-	-	< 0.2
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
2-Nitrophenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	-	-	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	-	-	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	-	< 0.1	-	-	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	< 0.3	-	-	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
4-Nitroaniline	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Azobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Phenanthrene	mg/kg	0.05	MCERTS	-	0.32	-	-	< 0.05
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
Anthraquinone	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Fluoranthene	mg/kg	0.05	MCERTS	-	0.92	-	-	< 0.05
Pyrene	mg/kg	0.05	MCERTS	-	0.93	-	-	< 0.05
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	< 0.3	-	-	< 0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05

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Lab Sample Number				1992549	1992550	1992551	1992552	1992553
Sample Reference				BH01	BH02	BH02	BH03	TP01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50	3.00	1.50	1.00	1.00
Date Sampled				18/08/2021	19/08/2021	19/08/2021	18/08/2021	17/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	10,18-Bisnorabieta 5,7,9(10),11,13-pentaene	-	-	9-Octadecenamide, (Z)-
SVOC % Match	%	N/A	NONE	-	99	-	-	95
SVOCs TICs Compound Name		N/A	NONE	-	1-Hexacosene	-	-	Eicosane
SVOC % Match	%	N/A	NONE	-	95	-	-	95
SVOCs TICs Compound Name		N/A	NONE	-	Phenanthrene, 1-methyl-7-(1-methylethyl)-	-	-	Heneicosane
SVOC % Match	%	N/A	NONE	-	95	-	-	95
SVOCs TICs Compound Name		N/A	NONE	-	Eicosane	-	-	10,18-Bisnorabieta 5,7,9(10),11,13-pentaene
SVOC % Match	%	N/A	NONE	-	95	-	-	93
SVOCs TICs Compound Name		N/A	NONE	-	Cyclohexane-1,3-dione, 2-allylaminomethylene-5,5-dimethyl-	-	-	Hexadecane, 7,9-dimethyl-
SVOC % Match	%	N/A	NONE	-	95	-	-	92
SVOCs TICs Compound Name		N/A	NONE	-	Nonadecane	-	-	Cyclopentasiloxane, decamethyl-
SVOC % Match	%	N/A	NONE	-	93	-	-	91
SVOCs TICs Compound Name		N/A	NONE	-	1-Bromo-11-iodoundecane	-	-	Pyridine-3-carboxamide, oxime, N-(2-trifluoromethylphenyl)-
SVOC % Match	%	N/A	NONE	-	93	-	-	91
SVOCs TICs Compound Name		N/A	NONE	-	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	-	-	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-
SVOC % Match	%	N/A	NONE	-	93	-	-	91
SVOCs TICs Compound Name		N/A	NONE	-	Tricosane	-	-	
SVOC % Match	%	N/A	NONE	-	92	-	-	
SVOCs TICs Compound Name		N/A	NONE	-		-	-	
SVOC % Match	%	N/A	NONE	-		-	-	

U/S = Unsuitable Sample I/S = Insufficient Sample

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Lab Sample Number				1992554	1992555	1992556	1992557	1992558
Sample Reference				TP02	TP02	TP02	TP02	TP03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	1.50	2.50	3.30	2.30
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	23	19	18	15	22
Total mass of sample received	kg	0.001	NONE	1.0	1.0	1.0	1.0	1.0
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.0	8.2	-	8.7	8.1
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	1.4	0.94	-	0.13	0.83
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.030	0.029	-	0.0041	0.022
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.58	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.95	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	1.6	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.64	11	-	< 0.05	0.66
Anthracene	mg/kg	0.05	MCERTS	< 0.05	3.7	-	< 0.05	0.22
Fluoranthene	mg/kg	0.05	MCERTS	1.0	21	-	< 0.05	1.5
Pyrene	mg/kg	0.05	MCERTS	0.84	17	-	< 0.05	1.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.60	12	-	< 0.05	1.0
Chrysene	mg/kg	0.05	MCERTS	0.60	8.8	-	< 0.05	0.89
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.57	9.7	-	< 0.05	0.90
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.32	4.6	-	< 0.05	0.53
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.49	8.5	-	< 0.05	0.84
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.32	5.2	-	< 0.05	0.55
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	1.6	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.39	5.7	-	< 0.05	0.63
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	5.79	112	-	< 0.80	9.17
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	85	27	-	84	77
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	7.3	1.3	-	1.8	2.3
Boron (water soluble)	mg/kg	0.2	MCERTS	17	14	-	2.2	4.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	< 0.2	22
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	-	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	56	25	-	54	55
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	57	25	-	54	55
Copper (aqua regia extractable)	mg/kg	1	MCERTS	170	34	-	22	81
Lead (aqua regia extractable)	mg/kg	1	MCERTS	270	57	-	24	190
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	81	24	-	57	55
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	110	50	-	150	95
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	1300	290	-	250	6500

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Lab Sample Number				1992554	1992555	1992556	1992557	1992558
Sample Reference				TP02	TP02	TP02	TP02	TP03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	1.50	2.50	3.30	2.30
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	1.8	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	15	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	67	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	51	41	250	< 8.0	39
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	MCERTS	51	41	320	< 10	39
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	17	24	87	< 8.4	28
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	53	47	330	< 10	45
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	69	71	420	< 10	73
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	5.1	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	6.8	110	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	53	600	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	32	110	620	< 10	25
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	16	30	150	< 8.4	13
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	35	170	1300	< 10	28
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	51	200	1500	< 10	41
TPH Total C5 - C44	mg/kg	10	NONE	120	270	1900	< 10	110
VOCs								
Chloromethane	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
Chloroethane	µg/kg	1	NONE	-	-	< 1.0	-	< 1.0
Bromomethane	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
Vinyl Chloride	µg/kg	1	NONE	-	-	< 1.0	-	< 1.0
Trichlorofluoromethane	µg/kg	1	NONE	-	-	< 1.0	-	< 1.0
1,1-Dichloroethene	µg/kg	1	NONE	-	-	< 1.0	-	< 1.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,1-Dichloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
2,2-Dichloropropane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Trichloromethane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,2-Dichloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,1-Dichloropropene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	-	< 1.0	-	< 1.0
Benzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0

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Lab Sample Number				1992554	1992555	1992556	1992557	1992558
Sample Reference				TP02	TP02	TP02	TP02	TP03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	1.50	2.50	3.30	2.30
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Tetrachloromethane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,2-Dichloropropane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Trichloroethene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Dibromomethane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Bromodichloromethane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
Toluene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
Dibromochloromethane	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
Tetrachloroethene	µg/kg	1	NONE	-	-	< 1.0	-	< 1.0
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
Chlorobenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
p & m-Xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Styrene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Tribromomethane	µg/kg	1	NONE	-	-	< 1.0	-	< 1.0
o-Xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Isopropylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Bromobenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
n-Propylbenzene	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
2-Chlorotoluene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
4-Chlorotoluene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
tert-Butylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
sec-Butylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Butylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Hexachlorobutadiene	µg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	-	< 1.0	-	< 1.0

VOCs TICs

VOCs TICs Compound Name		N/A	NONE	-	-	ND	-	ND

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	< 0.1	-	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	-	< 0.2	-	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3

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Lab Sample Number				1992554	1992555	1992556	1992557	1992558
Sample Reference				TP02	TP02	TP02	TP02	TP03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	1.50	2.50	3.30	2.30
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	< 0.05	-	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	-	< 0.2	-	< 0.2
Isophorone	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
Naphthalene	mg/kg	0.05	MCERTS	-	-	5.7	-	< 0.05
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	-	< 0.1	-	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	< 0.1	-	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	6.3	-	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	4.1	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	-	20	-	< 0.05
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	17	-	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	< 0.3	-	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
Fluorene	mg/kg	0.05	MCERTS	-	-	34	-	< 0.05
Azobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
Phenanthrene	mg/kg	0.05	MCERTS	-	-	190	-	0.66
Anthracene	mg/kg	0.05	MCERTS	-	-	57	-	0.22
Carbazole	mg/kg	0.3	MCERTS	-	-	19	-	< 0.3
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
Anthraquinone	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
Fluoranthene	mg/kg	0.05	MCERTS	-	-	190	-	1.5
Pyrene	mg/kg	0.05	MCERTS	-	-	150	-	1.4
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	< 0.3	-	< 0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	83	-	1.0
Chrysene	mg/kg	0.05	MCERTS	-	-	49	-	0.89
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	63	-	0.90
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	26	-	0.53
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	59	-	0.84
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	28	-	0.55
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	8.5	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	31	-	0.63

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Lab Sample Number				1992554	1992555	1992556	1992557	1992558
Sample Reference				TP02	TP02	TP02	TP02	TP03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	1.50	2.50	3.30	2.30
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	Triphenylene	-	Benz[e]acephenanthrylene
SVOC % Match	%	N/A	NONE	-	-	98	-	97
SVOCs TICs Compound Name		N/A	NONE	-	-	Benzo[e]pyrene	-	Benzo[e]pyrene
SVOC % Match	%	N/A	NONE	-	-	98	-	96
SVOCs TICs Compound Name		N/A	NONE	-	-	enz(a,e)aceanthryl	-	1-Naphthalenamine, N-phenyl-
SVOC % Match	%	N/A	NONE	-	-	98	-	95
SVOCs TICs Compound Name		N/A	NONE	-	-	3,4:8,9-Dibenzopyrene	-	1-Naphthalenecarboxylic acid, 2-benzoyl-
SVOC % Match	%	N/A	NONE	-	-	98	-	95
SVOCs TICs Compound Name		N/A	NONE	-	-	Naphthalene, 2,3-dimethyl-	-	9-Octadecenamide, (Z)-
SVOC % Match	%	N/A	NONE	-	-	97	-	94
SVOCs TICs Compound Name		N/A	NONE	-	-	Naphthalene, 1,4-dimethyl-	-	Phenanthrene, 1-methyl-7-(1-methylethyl)-
SVOC % Match	%	N/A	NONE	-	-	97	-	93
SVOCs TICs Compound Name		N/A	NONE	-	-	Naphthalene, 1,6,7-trimethyl-	-	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-
SVOC % Match	%	N/A	NONE	-	-	97	-	92
SVOCs TICs Compound Name		N/A	NONE	-	-	Phenanthrene, 1-methyl-	-	Pyridine-3-carboxamide, oxime, N-(2-trifluoromethylphenyl)-
SVOC % Match	%	N/A	NONE	-	-	97	-	91
SVOCs TICs Compound Name		N/A	NONE	-	-	1,2:7,8-Dibenzophenanthrene	-	
SVOC % Match	%	N/A	NONE	-	-	97	-	
SVOCs TICs Compound Name		N/A	NONE	-	-		-	
SVOC % Match	%	N/A	NONE	-	-		-	

U/S = Unsuitable Sample I/S = Insufficient Sample

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Lab Sample Number				1992559	1992560	1992561	1992562	1992563
Sample Reference				tp04	TP05	TP05	TP05	TP06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	2.00	1.30	0.70
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	9.9	12	29	7.8	8.2
Total mass of sample received	kg	0.001	NONE	1.0	1.0	0.90	1.0	1.0
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	-	-	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.8	-	-	-	8.6
Free Cyanide	mg/kg	1	MCERTS	< 1.0	-	-	-	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.072	-	-	-	0.36
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.012	-	-	-	0.035
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	-	-	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	2.3
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.67
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	3.0
Pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	2.6
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	1.7
Chrysene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	1.4
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	1.5
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.68
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	1.3
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.77
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.29
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.83
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	-	-	-	17.1
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	49	-	-	-	66
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	2.5	-	-	-	1.5
Boron (water soluble)	mg/kg	0.2	MCERTS	2.6	-	-	-	1.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	-	-	-	< 1.2
Chromium (III)	mg/kg	1	NONE	43	-	-	-	56
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	44	-	-	-	56
Copper (aqua regia extractable)	mg/kg	1	MCERTS	190	-	-	-	40
Lead (aqua regia extractable)	mg/kg	1	MCERTS	830	-	-	-	73
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	-	-	2.4
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	57	-	-	-	36
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	-	-	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	77	-	-	-	110
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	660	-	-	-	210

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Lab Sample Number				1992559	1992560	1992561	1992562	1992563
Sample Reference				tp04	TP05	TP05	TP05	TP06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	2.00	1.30	0.70
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Toluene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
o-xylene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	< 1.0	1.3	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	5.3	9.5	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	< 8.0	26	16	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	< 8.0	200	310	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	MCERTS	-	< 10	220	330	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	79	130	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	230	340	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	310	480	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	< 2.0	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	< 10	18	12	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	< 10	97	120	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	34	70	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	120	130	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	150	200	-
TPH Total C5 - C44	mg/kg	10	NONE	-	< 10	460	680	-
VOCs								
Chloromethane	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
Chloroethane	µg/kg	1	NONE	-	-	< 1.0	-	-
Bromomethane	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
Vinyl Chloride	µg/kg	1	NONE	-	-	< 1.0	-	-
Trichlorofluoromethane	µg/kg	1	NONE	-	-	< 1.0	-	-
1,1-Dichloroethene	µg/kg	1	NONE	-	-	< 1.0	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,1-Dichloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Trichloromethane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	-	< 1.0	-	-
Benzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-

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Lab Sample Number				1992559	1992560	1992561	1992562	1992563
Sample Reference				tp04	TP05	TP05	TP05	TP06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	2.00	1.30	0.70
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Tetrachloromethane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Trichloroethene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Dibromomethane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Bromodichloromethane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
Toluene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
Dibromochloromethane	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
Tetrachloroethene	µg/kg	1	NONE	-	-	< 1.0	-	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
Chlorobenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
p & m-Xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Styrene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Tribromomethane	µg/kg	1	NONE	-	-	< 1.0	-	-
o-Xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Isopropylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Bromobenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
n-Propylbenzene	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
2-Chlorotoluene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
4-Chlorotoluene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
tert-Butylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
sec-Butylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Butylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	-	< 1.0	-	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	-	< 1.0	-	-

VOCs TICs

VOCs TICs Compound Name		N/A	NONE	-	-	ND	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	< 0.2	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-

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Lab Sample Number				1992559	1992560	1992561	1992562	1992563
Sample Reference				tp04	TP05	TP05	TP05	TP06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	2.00	1.30	0.70
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	< 0.3	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	0.46	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	0.66	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	0.67	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	< 0.3	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	0.89	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	0.69	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	0.54	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	0.23	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	0.46	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-

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Lab Sample Number				1992559	1992560	1992561	1992562	1992563
Sample Reference				tp04	TP05	TP05	TP05	TP06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	2.00	1.30	0.70
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	10,18-Bisnorabieta 5,7,9(10),11,13-pentaene	-	-
SVOC % Match	%	N/A	NONE	-	-	99	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Heptadecane	-	-
SVOC % Match	%	N/A	NONE	-	-	98	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Hexadecane, 1-iodo-	-	-
SVOC % Match	%	N/A	NONE	-	-	97	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Heneicosane	-	-
SVOC % Match	%	N/A	NONE	-	-	97	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	10,18-Bisnorabieta 8,11,13-triene	-	-
SVOC % Match	%	N/A	NONE	-	-	96	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	1-Naphthalenamine, N-phenyl-	-	-
SVOC % Match	%	N/A	NONE	-	-	96	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Eicosane	-	-
SVOC % Match	%	N/A	NONE	-	-	96	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Octacosane	-	-
SVOC % Match	%	N/A	NONE	-	-	96	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Hexadecane	-	-
SVOC % Match	%	N/A	NONE	-	-	95	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	6-Chloro-N-cyano-N-methoxymethyl-N',N'-dimethyl-1,3,5-triazine-2,4-diamine	-	-
SVOC % Match	%	N/A	NONE	-	-	95	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Lab Sample Number				1992564	1992565	1992566	1992567	1992568
Sample Reference				TP07	TP07	WS01	WS02	WS02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	2.70	0.10	0.20	0.80
Date Sampled				20/08/2021	20/08/2021	18/08/2021	18/08/2021	18/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	21	16	8.0	4.6	10
Total mass of sample received	kg	0.001	NONE	1.0	1.0	1.0	1.0	1.0
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.0	7.8	8.1	8.1	8.1
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.95	1.4	0.066	0.023	0.018
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.032	0.018	0.033	0.052	0.0049
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	1.1	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.26	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.31	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.29	2.0	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	1.4	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.94	3.9	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.90	3.6	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.61	2.7	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.60	2.2	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.75	5.5	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.33	1.4	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.62	4.9	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.53	6.2	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	1.4	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.61	8.9	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	6.18	45.7	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	75	72	21	30	36
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	8.2	1.9	1.9	1.8	1.1
Boron (water soluble)	mg/kg	0.2	MCERTS	3.3	7.1	2.6	1.5	0.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	72	55	29	39	38
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	72	55	29	40	38
Copper (aqua regia extractable)	mg/kg	1	MCERTS	780	42	28	75	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	430	83	69	280	19
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.5	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	88	44	19	64	26
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	160	100	50	82	72
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	570	210	150	280	89

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Lab Sample Number				1992564	1992565	1992566	1992567	1992568
Sample Reference				TP07	TP07	WS01	WS02	WS02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	2.70	0.10	0.20	0.80
Date Sampled				20/08/2021	20/08/2021	18/08/2021	18/08/2021	18/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Toluene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
o-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	< 8.0	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	< 8.0	-	-	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	MCERTS	-	< 10	-	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	-	-	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	-	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	< 10	-	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	< 10	-	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	-	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	-	-	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	-	-	-
TPH Total C5 - C44	mg/kg	10	NONE	-	< 10	-	-	-
VOCs								
Chloromethane	µg/kg	1	ISO 17025	-	-	-	-	-
Chloroethane	µg/kg	1	NONE	-	-	-	-	-
Bromomethane	µg/kg	1	ISO 17025	-	-	-	-	-
Vinyl Chloride	µg/kg	1	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	1	NONE	-	-	-	-	-
1,1-Dichloroethene	µg/kg	1	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	-	-
1,1-Dichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	-	-
Trichloromethane	µg/kg	1	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-	-	-	-	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	-	-	-	-
Benzene	µg/kg	1	MCERTS	-	-	-	-	-

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Lab Sample Number				1992564	1992565	1992566	1992567	1992568
Sample Reference				TP07	TP07	WS01	WS02	WS02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	2.70	0.10	0.20	0.80
Date Sampled				20/08/2021	20/08/2021	18/08/2021	18/08/2021	18/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Tetrachloromethane	µg/kg	1	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	1	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	1	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	1	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	-	-	-	-
Dibromochloromethane	µg/kg	1	ISO 17025	-	-	-	-	-
Tetrachloroethene	µg/kg	1	NONE	-	-	-	-	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	-	-	-	-
Chlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
p & m-Xylene	µg/kg	1	MCERTS	-	-	-	-	-
Styrene	µg/kg	1	MCERTS	-	-	-	-	-
Tribromomethane	µg/kg	1	NONE	-	-	-	-	-
o-Xylene	µg/kg	1	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	-	-
Isopropylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
Bromobenzene	µg/kg	1	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	1	ISO 17025	-	-	-	-	-
2-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	-	-
tert-Butylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	-	-
sec-Butylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	-	-	-	-

VOCs TICs

VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-

Analytical Report Number: 21-96277
Project / Site name: Begbroke
Your Order No: PO09383

Lab Sample Number				1992564	1992565	1992566	1992567	1992568
Sample Reference				TP07	TP07	WS01	WS02	WS02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	2.70	0.10	0.20	0.80
Date Sampled				20/08/2021	20/08/2021	18/08/2021	18/08/2021	18/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

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Lab Sample Number				1992564	1992565	1992566	1992567	1992568
Sample Reference				TP07	TP07	WS01	WS02	WS02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	2.70	0.10	0.20	0.80
Date Sampled				20/08/2021	20/08/2021	18/08/2021	18/08/2021	18/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-96277
Project / Site name: Begbroke
Your Order No: PO09383

Lab Sample Number				1992569	1992570	1992571	1992572	1992573
Sample Reference				WS03	WS04	WS05	WS05	WS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	2.50	2.90	3.80	1.80
Date Sampled				18/08/2021	18/08/2021	18/08/2021	18/08/2021	19/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	21	37	21	40
Total mass of sample received	kg	0.001	NONE	0.80	1.0	0.90	1.0	0.70
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	-	-	7.7	8.0	7.7
Free Cyanide	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-	1.5	0.22	1.3
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	0.029	0.018	0.050
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	< 0.05	0.29	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	0.40
Fluorene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	0.20
Phenanthrene	mg/kg	0.05	MCERTS	-	-	0.91	2.2	0.35
Anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	0.51	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	-	-	0.92	5.6	0.64
Pyrene	mg/kg	0.05	MCERTS	-	-	0.79	5.2	0.72
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	0.39	3.1	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	-	0.38	2.8	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	0.38	3.7	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	0.21	1.2	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	0.30	2.8	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	0.24	2.1	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	0.60	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	0.27	2.5	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	-	4.79	32.7	2.31
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	40	25	25
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	1.2	0.86	1.6
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	3.9	5.7	12
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	< 0.2	< 0.2	2.6
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	-	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	-	-	41	21	67
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	41	21	67
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	570	21	150
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	60	88	370
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	< 0.3	< 0.3	1.0
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	33	22	63
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	70	51	36
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	130	83	560

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Lab Sample Number				1992569	1992570	1992571	1992572	1992573
Sample Reference				WS03	WS04	WS05	WS05	WS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	2.50	2.90	3.80	1.80
Date Sampled				18/08/2021	18/08/2021	18/08/2021	18/08/2021	19/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-	-
o-xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	< 2.0	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	-	< 8.0	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	-	< 8.0	-	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	MCERTS	< 10	-	< 10	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	-	< 8.4	-	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	< 10	-	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	< 10	-	< 10	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	< 2.0	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	-	< 10	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	-	< 10	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	-	< 8.4	-	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	< 10	-	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	< 10	-	< 10	-	-
TPH Total C5 - C44	mg/kg	10	NONE	< 10	-	< 10	-	-
VOCs								
Chloromethane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Chloroethane	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
Bromomethane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Vinyl Chloride	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
Trichlorofluoromethane	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
1,1-Dichloroethene	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1-Dichloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
2,2-Dichloropropane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Trichloromethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,2-Dichloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1-Dichloropropene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
Benzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0

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Lab Sample Number				1992569	1992570	1992571	1992572	1992573
Sample Reference				WS03	WS04	WS05	WS05	WS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	2.50	2.90	3.80	1.80
Date Sampled				18/08/2021	18/08/2021	18/08/2021	18/08/2021	19/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Tetrachloromethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,2-Dichloropropane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Trichloroethene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Dibromomethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Bromodichloromethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Toluene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Dibromochloromethane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Tetrachloroethene	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
Chlorobenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
p & m-Xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Styrene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Tribromomethane	µg/kg	1	NONE	-	< 1.0	-	-	< 1.0
o-Xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Isopropylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Bromobenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
n-Propylbenzene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
2-Chlorotoluene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
4-Chlorotoluene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
tert-Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
sec-Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Hexachlorobutadiene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	< 1.0	-	-	< 1.0

VOCs TICs

VOCs TICs Compound Name		N/A	NONE	-	ND	-	-	ND

SVOCs

Aniline	mg/kg	0.1	NONE	-	< 0.1	-	-	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	-	-	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3

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Lab Sample Number				1992569	1992570	1992571	1992572	1992573
Sample Reference				WS03	WS04	WS05	WS05	WS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	2.50	2.90	3.80	1.80
Date Sampled				18/08/2021	18/08/2021	18/08/2021	18/08/2021	19/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Hexachloroethane	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	-	-	< 0.2
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
2-Nitrophenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	-	-	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	-	-	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	-	< 0.1	-	-	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	< 0.1
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	0.40
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	< 0.3	-	-	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
4-Nitroaniline	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	0.20
Azobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	0.35
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	-	-	< 0.2
Anthraquinone	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	0.64
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	0.72
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	< 0.3	-	-	< 0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	< 0.05

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Lab Sample Number				1992569	1992570	1992571	1992572	1992573
Sample Reference				WS03	WS04	WS05	WS05	WS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	2.50	2.90	3.80	1.80
Date Sampled				18/08/2021	18/08/2021	18/08/2021	18/08/2021	19/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	-	-	10,18-Bisnorabieta-5,7,9(10),11,13-pentaene
SVOC % Match	%	N/A	NONE	-	92	-	-	99
SVOCs TICs Compound Name		N/A	NONE	-		-	-	4b,8-Dimethyl-2-isopropylphenanthrene, 4b,5,6,7,8,8a,9,10-octahydro-
SVOC % Match	%	N/A	NONE	-		-	-	98
SVOCs TICs Compound Name		N/A	NONE	-		-	-	Phenanthrene, 1-methyl-7-(1-methylethyl)-
SVOC % Match	%	N/A	NONE	-		-	-	98
SVOCs TICs Compound Name		N/A	NONE	-		-	-	Octacosane
SVOC % Match	%	N/A	NONE	-		-	-	98
SVOCs TICs Compound Name		N/A	NONE	-		-	-	10,18-Bisnorabieta-8,11,13-triene
SVOC % Match	%	N/A	NONE	-		-	-	97
SVOCs TICs Compound Name		N/A	NONE	-		-	-	Octadecane
SVOC % Match	%	N/A	NONE	-		-	-	97
SVOCs TICs Compound Name		N/A	NONE	-		-	-	Heneicosane
SVOC % Match	%	N/A	NONE	-		-	-	97
SVOCs TICs Compound Name		N/A	NONE	-		-	-	Heptadecane
SVOC % Match	%	N/A	NONE	-		-	-	96
SVOCs TICs Compound Name		N/A	NONE	-		-	-	Hexadecane, 1-iodo-
SVOC % Match	%	N/A	NONE	-		-	-	96
SVOCs TICs Compound Name		N/A	NONE	-		-	-	Eicosane
SVOC % Match	%	N/A	NONE	-		-	-	96

U/S = Unsuitable Sample I/S = Insufficient Sample

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Lab Sample Number				1992574	1992575	1992576	1992577	1992578
Sample Reference				WS07	WS08	WS09	WS09	WS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.30	3.40	2.50	3.00	3.80
Date Sampled				19/08/2021	19/08/2021	19/08/2021	19/08/2021	19/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	35	14	10	8.3	7.5
Total mass of sample received	kg	0.001	NONE	0.80	1.0	1.0	1.0	1.0
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	Amosite- Loose Fibres	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	Not-detected	Detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.7	-	7.5	7.7	8.4
Free Cyanide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	1.9	-	0.21	0.49	0.16
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.043	-	0.0094	0.011	0.0010
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.72	-	< 0.05	0.52	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.67	-	< 0.05	0.55	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.39	-	< 0.05	0.44	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.39	-	< 0.05	0.41	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.36	-	< 0.05	0.49	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.26	-	< 0.05	0.20	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.33	-	< 0.05	0.39	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	3.12	-	< 0.80	3.00	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	34	-	48	45	75
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.4	-	1.4	1.3	1.8
Boron (water soluble)	mg/kg	0.2	MCERTS	16	-	2.9	6.7	2.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	-	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	56	-	43	39	64
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	56	-	43	39	64
Copper (aqua regia extractable)	mg/kg	1	MCERTS	73	-	21	21	9.2
Lead (aqua regia extractable)	mg/kg	1	MCERTS	600	-	45	62	16
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.5	-	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	55	-	29	27	42
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	44	-	78	73	120
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	280	-	110	130	110

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Lab Sample Number				1992574	1992575	1992576	1992577	1992578
Sample Reference				WS07	WS08	WS09	WS09	WS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.30	3.40	2.50	3.00	3.80
Date Sampled				19/08/2021	19/08/2021	19/08/2021	19/08/2021	19/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	12	< 8.0	-	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	51	< 8.0	-	< 8.0	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	MCERTS	63	< 10	-	< 10	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	11	< 8.4	-	< 8.4	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	65	< 10	-	< 10	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	75	< 10	-	< 10	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	17	< 10	-	< 10	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	74	< 10	-	< 10	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	9.9	< 8.4	-	< 8.4	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	92	< 10	-	< 10	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	100	< 10	-	< 10	-
TPH Total C5 - C44	mg/kg	10	NONE	180	< 10	-	< 10	-
VOCs								
Chloromethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
Chloroethane	µg/kg	1	NONE	< 1.0	< 1.0	-	-	< 1.0
Bromomethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
Vinyl Chloride	µg/kg	1	NONE	< 1.0	< 1.0	-	-	< 1.0
Trichlorofluoromethane	µg/kg	1	NONE	< 1.0	< 1.0	-	-	< 1.0
1,1-Dichloroethene	µg/kg	1	NONE	< 1.0	< 1.0	-	-	< 1.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,1-Dichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
2,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Trichloromethane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,1,1-Trichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,2-Dichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,1-Dichloropropene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Trans-1,2-dichloroethene	µg/kg	1	NONE	< 1.0	< 1.0	-	-	< 1.0
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0

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Lab Sample Number				1992574	1992575	1992576	1992577	1992578
Sample Reference				WS07	WS08	WS09	WS09	WS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.30	3.40	2.50	3.00	3.80
Date Sampled				19/08/2021	19/08/2021	19/08/2021	19/08/2021	19/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Tetrachloromethane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Trichloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Dibromomethane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Bromodichloromethane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,1,2-Trichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,3-Dichloropropane	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
Dibromochloromethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
Tetrachloroethene	µg/kg	1	NONE	< 1.0	< 1.0	-	-	< 1.0
1,2-Dibromoethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
Chlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
p & m-Xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Styrene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Tribromomethane	µg/kg	1	NONE	< 1.0	< 1.0	-	-	< 1.0
o-Xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Isopropylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Bromobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
n-Propylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
2-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
4-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
tert-Butylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
sec-Butylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
p-Isopropyltoluene	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
1,2-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,4-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Butylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
Hexachlorobutadiene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0

VOCs TICs

VOCs TICs Compound Name		N/A	NONE	ND	ND	-	-	ND

SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	< 0.1	-	-	< 0.1
Phenol	mg/kg	0.2	ISO 17025	< 0.2	< 0.2	-	-	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3

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Lab Sample Number				1992574	1992575	1992576	1992577	1992578
Sample Reference				WS07	WS08	WS09	WS09	WS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.30	3.40	2.50	3.00	3.80
Date Sampled				19/08/2021	19/08/2021	19/08/2021	19/08/2021	19/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2	-	-	< 0.2
Isophorone	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	-	-	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	-	-	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	< 0.1	-	-	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	< 0.1
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	< 0.3	-	-	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05
Carbazole	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
Anthraquinone	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	< 0.3
Fluoranthene	mg/kg	0.05	MCERTS	0.72	< 0.05	-	-	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.67	< 0.05	-	-	< 0.05
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	< 0.3	-	-	< 0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.39	< 0.05	-	-	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.39	< 0.05	-	-	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.36	< 0.05	-	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.26	< 0.05	-	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.33	< 0.05	-	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05

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Lab Sample Number				1992574	1992575	1992576	1992577	1992578
Sample Reference				WS07	WS08	WS09	WS09	WS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.30	3.40	2.50	3.00	3.80
Date Sampled				19/08/2021	19/08/2021	19/08/2021	19/08/2021	19/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	10,18-Bisnorabieta 5,7,9(10),11,13-pentaene	Perylene	-	-	1-Naphthalenamine, N-phenyl-
SVOC % Match	%	N/A	NONE	99	95	-	-	93
SVOCs TICs Compound Name		N/A	NONE	Phenanthrene, 1-methyl-7-(1-methylethyl)-	Cyclopentasiloxane, decamethyl-	-	-	
SVOC % Match	%	N/A	NONE	98	91	-	-	
SVOCs TICs Compound Name		N/A	NONE	1-Naphthalenamine, N-phenyl-		-	-	
SVOC % Match	%	N/A	NONE	97		-	-	
SVOCs TICs Compound Name		N/A	NONE	Octacosane		-	-	
SVOC % Match	%	N/A	NONE	97		-	-	
SVOCs TICs Compound Name		N/A	NONE	10,18-Bisnorabieta 8,11,13-triene		-	-	
SVOC % Match	%	N/A	NONE	96		-	-	
SVOCs TICs Compound Name		N/A	NONE	Eicosane		-	-	
SVOC % Match	%	N/A	NONE	95		-	-	
SVOCs TICs Compound Name		N/A	NONE	Hexacosane		-	-	
SVOC % Match	%	N/A	NONE	95		-	-	
SVOCs TICs Compound Name		N/A	NONE	Nonadecane		-	-	
SVOC % Match	%	N/A	NONE	95		-	-	
SVOCs TICs Compound Name		N/A	NONE	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-		-	-	
SVOC % Match	%	N/A	NONE	95		-	-	
SVOCs TICs Compound Name		N/A	NONE	1-Chloroeicosane		-	-	
SVOC % Match	%	N/A	NONE	92		-	-	

U/S = Unsuitable Sample I/S = Insufficient Sample

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Project / Site name: Begbroke
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Lab Sample Number				1992579	1992580
Sample Reference				WS10	WS10
Sample Number				None Supplied	None Supplied
Depth (m)				0.20	0.60
Date Sampled				18/08/2021	18/08/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	7.0	8.9
Total mass of sample received	kg	0.001	NONE	1.0	1.0

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	Chrysotile- Loose Fibres
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Detected

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.9	8.1
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.032	0.022
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.016	0.018

Total Phenols

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

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.66
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.47	2.0
Pyrene	mg/kg	0.05	MCERTS	0.53	2.0
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.33	1.4
Chrysene	mg/kg	0.05	MCERTS	0.39	0.94
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.44	1.4
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.29	0.75
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.27	1.2
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.67
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.77

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	2.72	11.9

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	31	47
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	< 0.06	1.5
Boron (water soluble)	mg/kg	0.2	MCERTS	1.2	0.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	< 1.0	34
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	34
Copper (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	98
Lead (aqua regia extractable)	mg/kg	1	MCERTS	31	280
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	1.0
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	19	30
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	47	58
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	550

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Lab Sample Number				1992579	1992580
Sample Reference				WS10	WS10
Sample Number				None Supplied	None Supplied
Depth (m)				0.20	0.60
Date Sampled				18/08/2021	18/08/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
Monoaromatics & Oxygenates					
Benzene	µg/kg	1	MCERTS	-	-
Toluene	µg/kg	1	MCERTS	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-
o-xylene	µg/kg	1	MCERTS	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-
Petroleum Hydrocarbons					
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-
TPH-CWG - Aliphatic >EC16 - EC35	mg/kg	10	MCERTS	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	-
TPH Total C5 - C44	mg/kg	10	NONE	-	-
VOCs					
Chloromethane	µg/kg	1	ISO 17025	-	-
Chloroethane	µg/kg	1	NONE	-	-
Bromomethane	µg/kg	1	ISO 17025	-	-
Vinyl Chloride	µg/kg	1	NONE	-	-
Trichlorofluoromethane	µg/kg	1	NONE	-	-
1,1-Dichloroethene	µg/kg	1	NONE	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-
1,1-Dichloroethane	µg/kg	1	MCERTS	-	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-	-
Trichloromethane	µg/kg	1	MCERTS	-	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	-
Benzene	µg/kg	1	MCERTS	-	-

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Project / Site name: Begbroke
Your Order No: PO09383

Lab Sample Number				1992579	1992580
Sample Reference				WS10	WS10
Sample Number				None Supplied	None Supplied
Depth (m)				0.20	0.60
Date Sampled				18/08/2021	18/08/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
Tetrachloromethane	µg/kg	1	MCERTS	-	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-	-
Trichloroethene	µg/kg	1	MCERTS	-	-
Dibromomethane	µg/kg	1	MCERTS	-	-
Bromodichloromethane	µg/kg	1	MCERTS	-	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-
Toluene	µg/kg	1	MCERTS	-	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	-
Dibromochloromethane	µg/kg	1	ISO 17025	-	-
Tetrachloroethene	µg/kg	1	NONE	-	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	-
Chlorobenzene	µg/kg	1	MCERTS	-	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-
p & m-Xylene	µg/kg	1	MCERTS	-	-
Styrene	µg/kg	1	MCERTS	-	-
Tribromomethane	µg/kg	1	NONE	-	-
o-Xylene	µg/kg	1	MCERTS	-	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-
Isopropylbenzene	µg/kg	1	MCERTS	-	-
Bromobenzene	µg/kg	1	MCERTS	-	-
n-Propylbenzene	µg/kg	1	ISO 17025	-	-
2-Chlorotoluene	µg/kg	1	MCERTS	-	-
4-Chlorotoluene	µg/kg	1	MCERTS	-	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	-
tert-Butylbenzene	µg/kg	1	MCERTS	-	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	-
sec-Butylbenzene	µg/kg	1	MCERTS	-	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	-
Butylbenzene	µg/kg	1	MCERTS	-	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	-

VOCs TICs

VOCs TICs Compound Name		N/A	NONE	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-

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Project / Site name: Begbroke
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Lab Sample Number				1992579	1992580
Sample Reference				WS10	WS10
Sample Number				None Supplied	None Supplied
Depth (m)				0.20	0.60
Date Sampled				18/08/2021	18/08/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
Hexachloroethane	mg/kg	0.05	MCERTS	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-

Analytical Report Number: 21-96277
Project / Site name: Begbroke
Your Order No: PO09383

Lab Sample Number				1992579	1992580
Sample Reference				WS10	WS10
Sample Number				None Supplied	None Supplied
Depth (m)				0.20	0.60
Date Sampled				18/08/2021	18/08/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
SVOCs TICs					
SVOCs TICs Compound Name		N/A	NONE	-	-
SVOC % Match	%	N/A	NONE	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-
SVOC % Match	%	N/A	NONE	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-
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SVOCs TICs Compound Name		N/A	NONE	-	-
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SVOCs TICs Compound Name		N/A	NONE	-	-
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SVOCs TICs Compound Name		N/A	NONE	-	-
SVOC % Match	%	N/A	NONE	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-
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SVOCs TICs Compound Name		N/A	NONE	-	-
SVOC % Match	%	N/A	NONE	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-
SVOC % Match	%	N/A	NONE	-	-

U/S = Unsuitable Sample   I/S = Insufficient Sample

Analytical Report Number : 21-96277
Project / Site name: Begbroke

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1992549	BH01	None Supplied	2.5	Brown clay and loam with gravel and vegetation.
1992550	BH02	None Supplied	3	Brown clay and loam with gravel and vegetation.
1992551	BH02	None Supplied	1.5	Brown clay and loam with gravel and plastic.
1992552	BH03	None Supplied	1	Brown clay and loam with gravel and plastic.
1992553	TP01	None Supplied	1	Brown clay and loam with metal and glass.
1992554	TP02	None Supplied	0.8	Brown loam and clay with gravel and brick.
1992555	TP02	None Supplied	1.5	Brown clay and loam with gravel.
1992556	TP02	None Supplied	2.5	Brown clay and loam with gravel.
1992557	TP02	None Supplied	3.3	Brown clay and sand with gravel.
1992558	TP03	None Supplied	2.3	Brown loam and clay with gravel and vegetation.
1992559	tp04	None Supplied	0.5	Brown loam and sand with gravel and vegetation.
1992560	TP05	None Supplied	0.5	Brown loam and clay with gravel and vegetation.
1992561	TP05	None Supplied	2	Brown clay and loam with gravel and vegetation.
1992562	TP05	None Supplied	1.3	Brown sandy clay with gravel.
1992563	TP06	None Supplied	0.7	Brown loam with gravel and vegetation.
1992564	TP07	None Supplied	0.1	Brown loam and clay with gravel and plastic.
1992565	TP07	None Supplied	2.7	Brown loam and clay with gravel and vegetation.
1992566	WS01	None Supplied	0.1	Brown loam with gravel and vegetation.
1992567	WS02	None Supplied	0.2	Brown loam with gravel and vegetation.
1992568	WS02	None Supplied	0.8	Brown clay and sand with gravel.
1992569	WS03	None Supplied	1	Brown loam with gravel and plastic.
1992570	WS04	None Supplied	2.5	Brown clay and loam with gravel.
1992571	WS05	None Supplied	2.9	Brown clay and sand with gravel and paper.
1992572	WS05	None Supplied	3.8	Brown clay and sand with gravel.
1992573	WS06	None Supplied	1.8	Brown clay and loam with gravel and plastic.
1992574	WS07	None Supplied	2.3	Brown clay and loam with gravel and paper.
1992575	WS08	None Supplied	3.4	Brown clay and sand with gravel.
1992576	WS09	None Supplied	2.5	Brown clay and loam with gravel.
1992577	WS09	None Supplied	3	Brown clay and loam with gravel and brick.
1992578	WS09	None Supplied	3.8	Brown loam and clay with gravel and vegetation.
1992579	WS10	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
1992580	WS10	None Supplied	0.6	Brown loam and clay with gravel and vegetation.

Analytical Report Number : 21-96277
Project / Site name: Begbroke

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Tentatively identified compounds (SVOC) in soil	Determination of semi-volatile organic compounds total ion count in soil by extraction with dichloromethane and hexane followed by GC-MS followed by a full library scan.	In-house method based on USEPA 8270	L064-PL	D	NONE
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Tentatively identified compounds (VOC) in soil	Determination of volatile organic compounds total ion count in soil by headspace GC-MS followed by a full library scan.	In-house method based on USEPA8260	L073-PL	W	NONE
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE

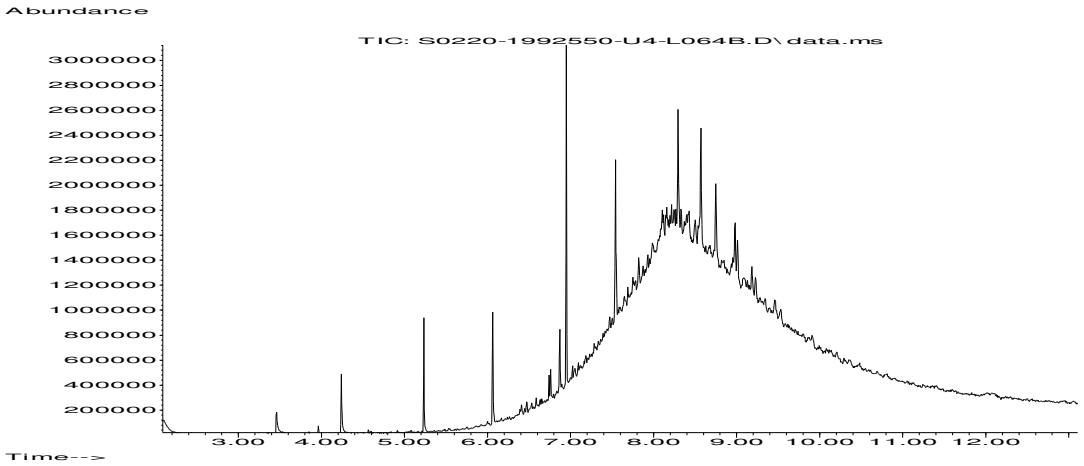
Analytical Report Number : 21-96277
Project / Site name: Begbroke

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE
Fraction Organic Carbon FOC Automated	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method	L009	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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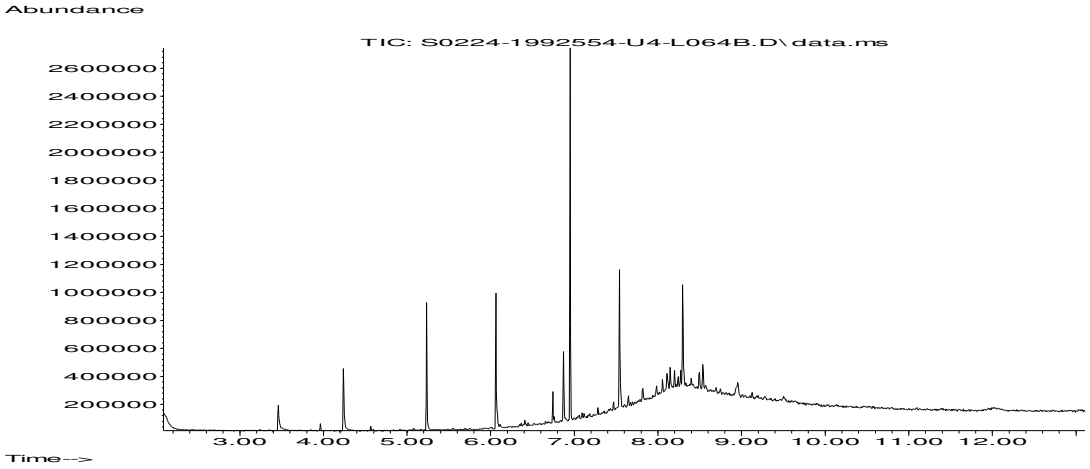
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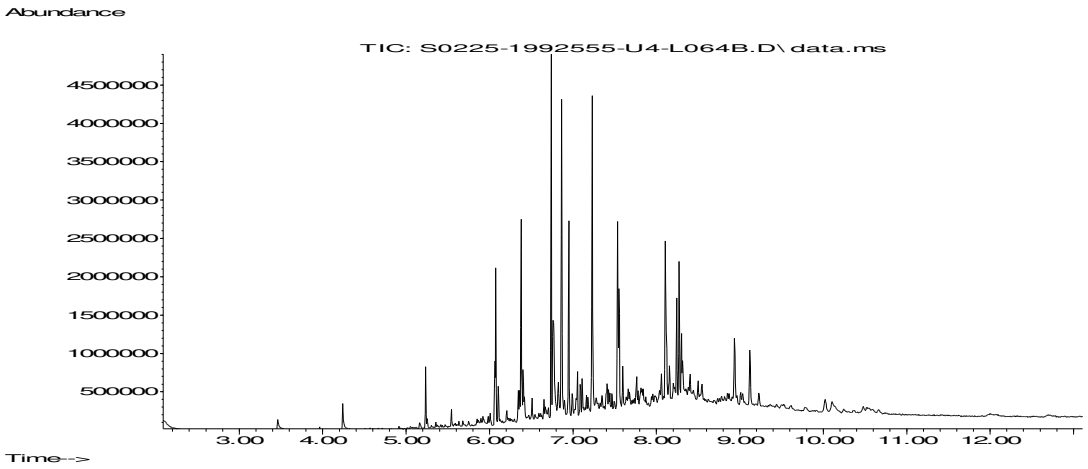
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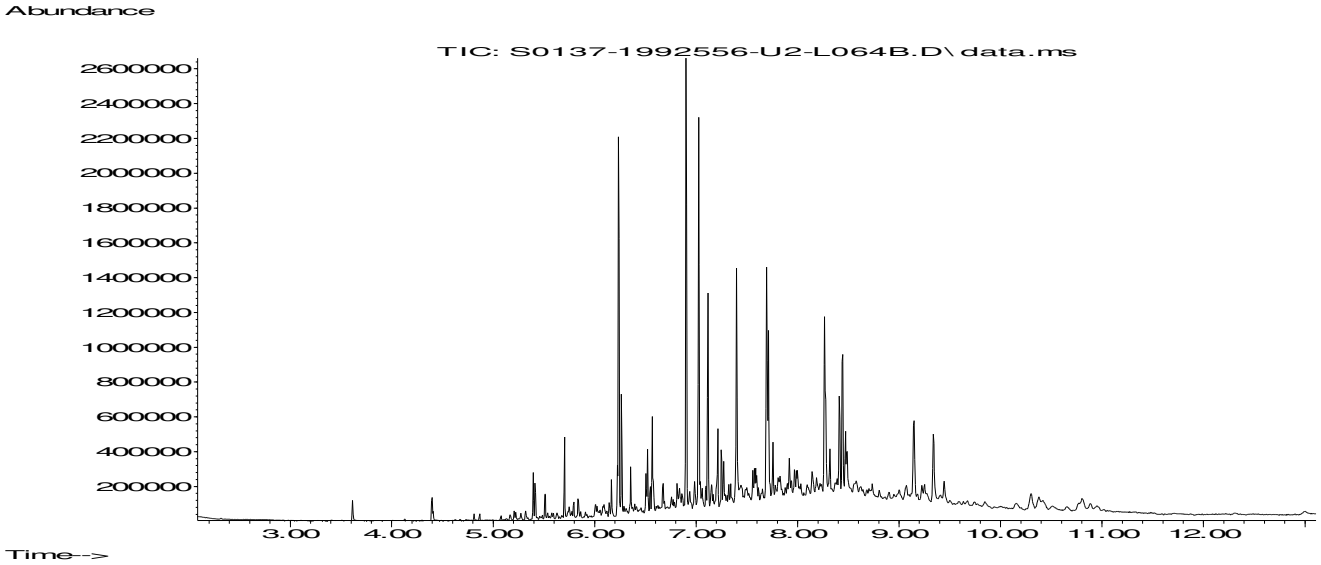
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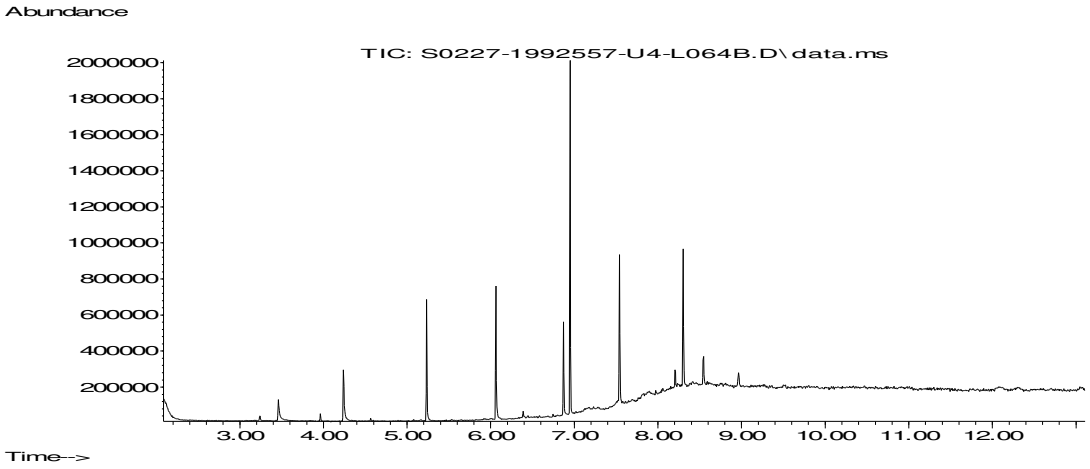
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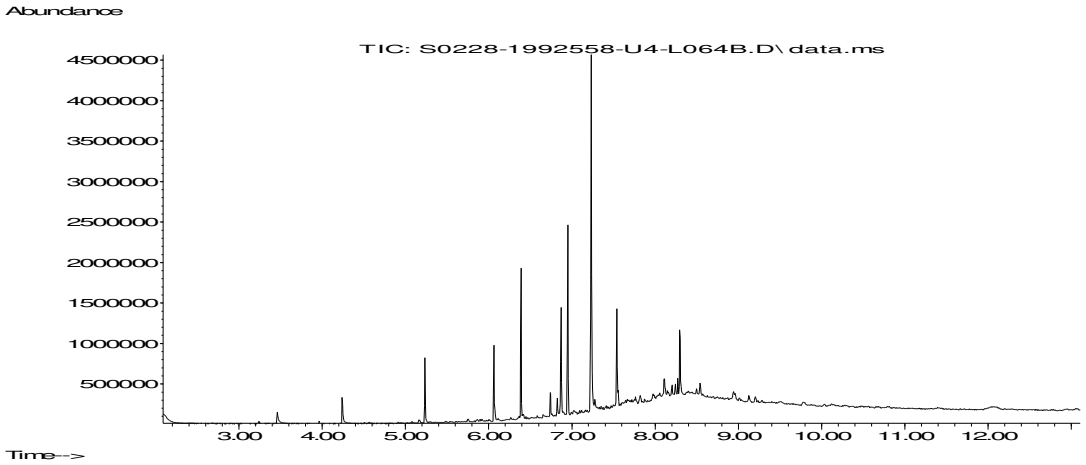
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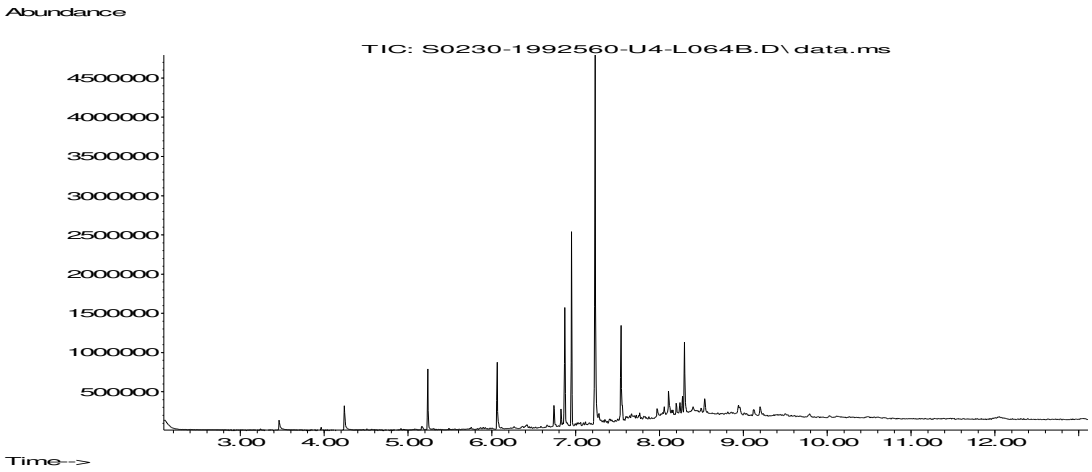
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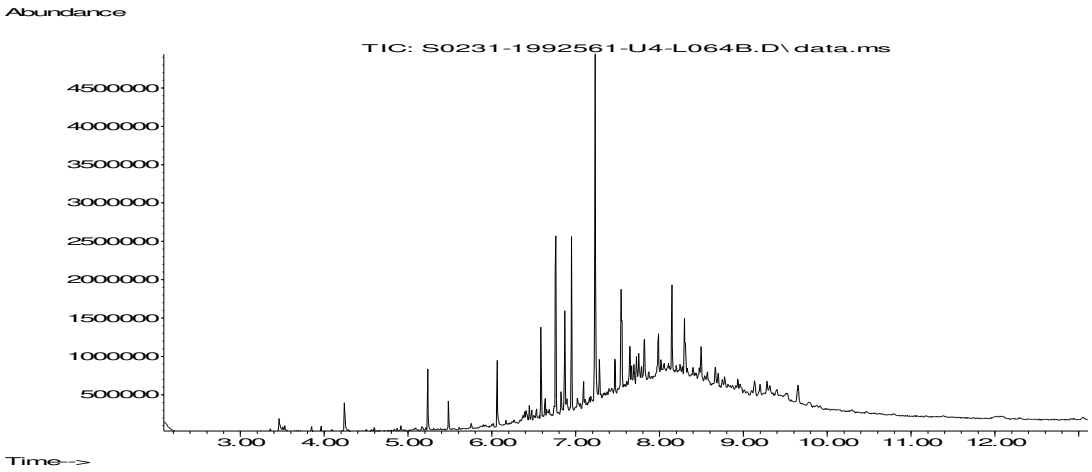
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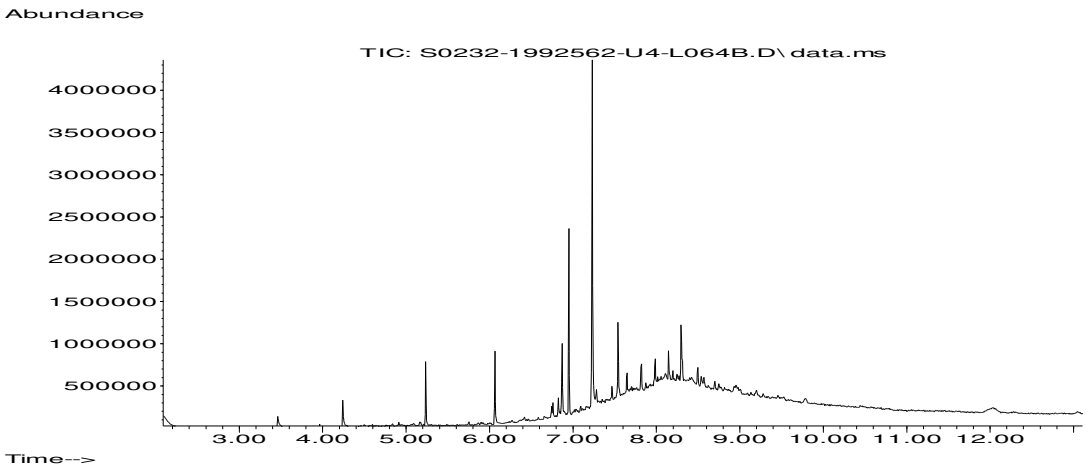
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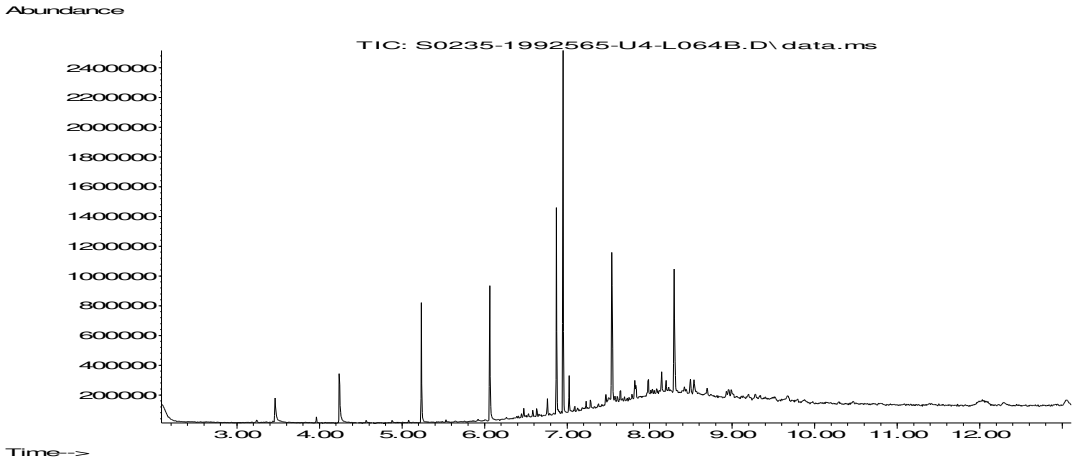
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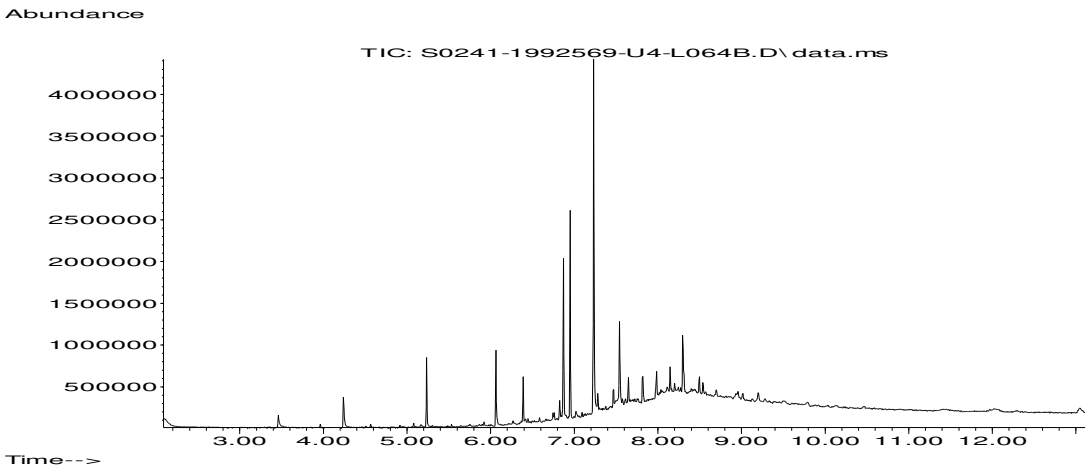
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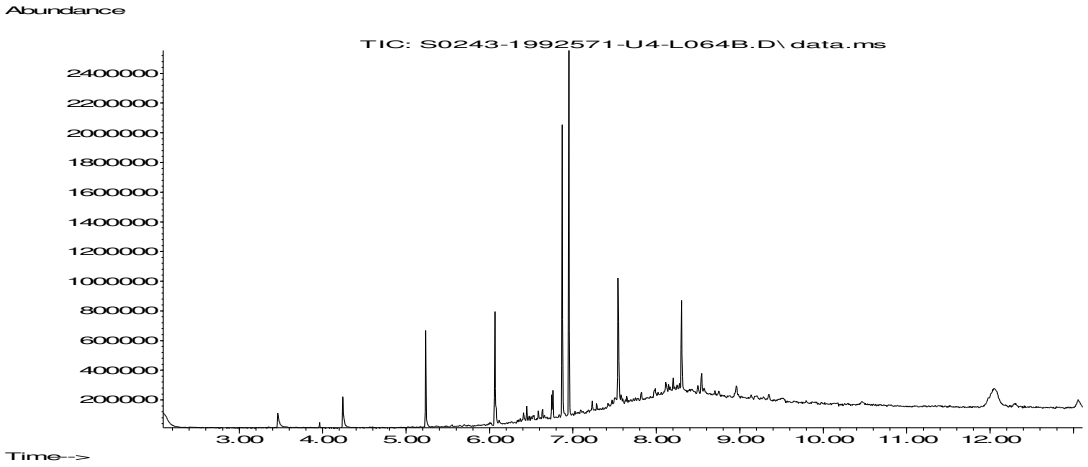
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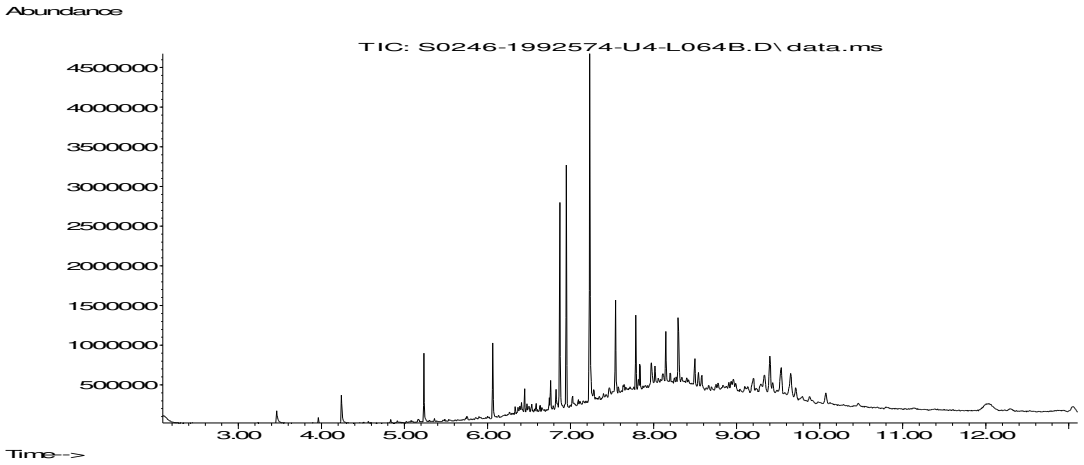
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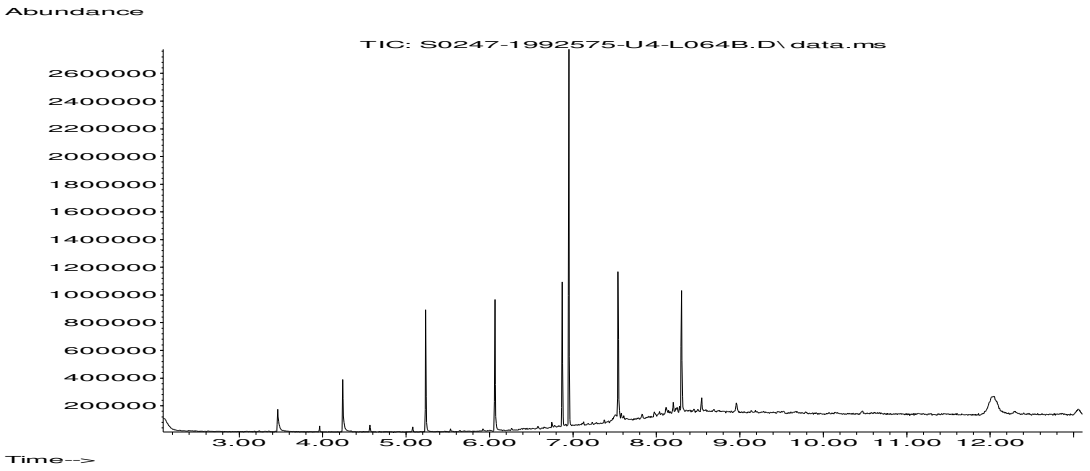
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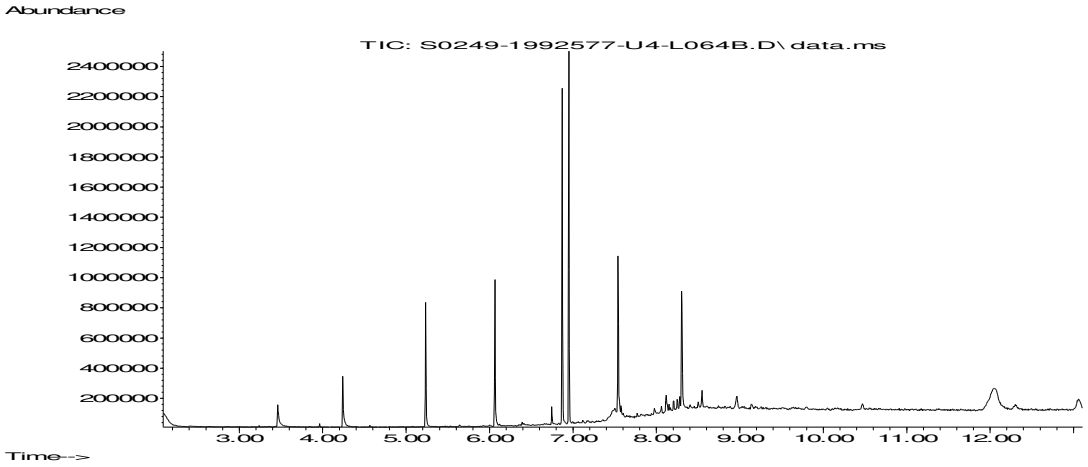
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Sample Deviation Report

Analytical Report Number : 21-96277
Project / Site name: Begbroke

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH01	None Supplied	S	1992549	c	Free cyanide in soil	L080-PL	c
BH01	None Supplied	S	1992549	c	Fraction Organic Carbon FOC Automated	L009	c
BH02	None Supplied	S	1992550	c	Free cyanide in soil	L080-PL	c
BH02	None Supplied	S	1992550	c	Fraction Organic Carbon FOC Automated	L009	c
BH02	None Supplied	S	1992551	c	Free cyanide in soil	L080-PL	c
BH02	None Supplied	S	1992551	c	Fraction Organic Carbon FOC Automated	L009	c
BH03	None Supplied	S	1992552	c	Free cyanide in soil	L080-PL	c
BH03	None Supplied	S	1992552	c	Fraction Organic Carbon FOC Automated	L009	c
TP01	None Supplied	S	1992553	c	Free cyanide in soil	L080-PL	c
TP01	None Supplied	S	1992553	c	Fraction Organic Carbon FOC Automated	L009	c
TP01	None Supplied	S	1992553	c	Tentatively identified compounds (VOC) in soil	L073-PL	c
TP01	None Supplied	S	1992553	c	Volatile organic compounds in soil	L073B-PL	c
TP02	None Supplied	S	1992554	c	Free cyanide in soil	L080-PL	c
TP02	None Supplied	S	1992554	c	Fraction Organic Carbon FOC Automated	L009	c
TP02	None Supplied	S	1992555	c	Free cyanide in soil	L080-PL	c
TP02	None Supplied	S	1992555	c	Fraction Organic Carbon FOC Automated	L009	c
TP02	None Supplied	S	1992557	c	Free cyanide in soil	L080-PL	c
TP02	None Supplied	S	1992557	c	Fraction Organic Carbon FOC Automated	L009	c
TP03	None Supplied	S	1992558	c	Free cyanide in soil	L080-PL	c
TP03	None Supplied	S	1992558	c	Fraction Organic Carbon FOC Automated	L009	c
TP06	None Supplied	S	1992563	c	Free cyanide in soil	L080-PL	c
TP06	None Supplied	S	1992563	c	Fraction Organic Carbon FOC Automated	L009	c
TP07	None Supplied	S	1992564	c	Free cyanide in soil	L080-PL	c
TP07	None Supplied	S	1992564	c	Fraction Organic Carbon FOC Automated	L009	c
TP07	None Supplied	S	1992565	c	Free cyanide in soil	L080-PL	c
TP07	None Supplied	S	1992565	c	Fraction Organic Carbon FOC Automated	L009	c
WS01	None Supplied	S	1992566	c	Free cyanide in soil	L080-PL	c
WS01	None Supplied	S	1992566	c	Fraction Organic Carbon FOC Automated	L009	c
WS02	None Supplied	S	1992567	c	Free cyanide in soil	L080-PL	c
WS02	None Supplied	S	1992567	c	Fraction Organic Carbon FOC Automated	L009	c
WS02	None Supplied	S	1992568	c	Free cyanide in soil	L080-PL	c
WS02	None Supplied	S	1992568	c	Fraction Organic Carbon FOC Automated	L009	c
WS05	None Supplied	S	1992571	c	Free cyanide in soil	L080-PL	c
WS05	None Supplied	S	1992571	c	Fraction Organic Carbon FOC Automated	L009	c
WS05	None Supplied	S	1992572	c	Free cyanide in soil	L080-PL	c
WS05	None Supplied	S	1992572	c	Fraction Organic Carbon FOC Automated	L009	c
WS06	None Supplied	S	1992573	c	Free cyanide in soil	L080-PL	c
WS06	None Supplied	S	1992573	c	Fraction Organic Carbon FOC Automated	L009	c
WS07	None Supplied	S	1992574	c	Free cyanide in soil	L080-PL	c
WS07	None Supplied	S	1992574	c	Fraction Organic Carbon FOC Automated	L009	c
WS09	None Supplied	S	1992576	c	Free cyanide in soil	L080-PL	c
WS09	None Supplied	S	1992576	c	Fraction Organic Carbon FOC Automated	L009	c
WS09	None Supplied	S	1992577	c	Free cyanide in soil	L080-PL	c
WS09	None Supplied	S	1992577	c	Fraction Organic Carbon FOC Automated	L009	c
WS09	None Supplied	S	1992578	c	Free cyanide in soil	L080-PL	c
WS09	None Supplied	S	1992578	c	Fraction Organic Carbon FOC Automated	L009	c
WS10	None Supplied	S	1992579	c	Free cyanide in soil	L080-PL	c
WS10	None Supplied	S	1992579	c	Fraction Organic Carbon FOC Automated	L009	c
WS10	None Supplied	S	1992580	c	Free cyanide in soil	L080-PL	c
WS10	None Supplied	S	1992580	c	Fraction Organic Carbon FOC Automated	L009	c
tp04	None Supplied	S	1992559	c	Free cyanide in soil	L080-PL	c
tp04	None Supplied	S	1992559	c	Fraction Organic Carbon FOC Automated	L009	c

GAC derivation

Background

Initially, the Hydrock GAC were derived following the publishing of soil guideline values (SGV), toxicological (TOX) reports and associated publications by the Environment Agency (EA) in 2009 referenced under Science Report SC050021 (EA, 2009a, b, c, d). The Hydrock GAC have then been periodically updated following publication of new information on toxicological, physico-chemical, land use or receptor parameters, namely:

- LQM/CIEH, 2009. LQM/CIEH Generic Assessment Criteria for Human Health Risk Assessment, second edition. Nathanial, C. P., McCaffrey, C., Ashmore, M., Cheng, Y., Gillet, A. G., Ogden, R. C. and Scott, D.
- CL:AIRE, 2010. 'The EIC/AGS/CL:AIRE Soil Generic Assessment Criteria for Human Health Risk Assessment'. Environmental Industries Commission, The Association of Geotechnical and Geoenvironmental Specialists and Contaminated Land: Applications in Real Environment.
- CL:AIRE, 2014. 'Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination', Revision 2, DEFRA research project SP1010. Contaminated Land: Applications in Real Environment.
- LQM/CIEH, 2015. 'The LQM/CIEH S4ULs for Human Health Risk Assessment'. Nathanial, C. P., McCaffrey, C., Gillet, A. G., Ogden, R. C. and Nathanial, J. F.
- CL:AIRE, 2021. 'C4SL Phase 2 Technical Reports'. Contaminated Land: Applications in Real Environment.

Land Use Scenarios

Hydrock has derived generic assessment criteria (GAC) for human health based on the six exposure scenarios defined in CL:AIRE (2014) using generic default assumptions from published guidance. GAC for each exposure scenario have been derived for three soil organic matter (SOM) contents, 1%, 2.5% and 6%.

All GAC have been rounded to two significant figures.

Exposure Parameters

The exposure parameters used for the Hydrock GAC are the default parameters stated in SR3, unless updated in CL:AIRE (2014) where the CL:AIRE (2014) values have been adopted.

Approach to Consumption Rates

Hydrock have adopted the 90th percentile consumption rates from Table 3.4 of CL:AIRE (2014) for all produce types. This is noted to be more conservative than the "top two" approach taken in the derivation of C4SLs.

Approach to plant uptake for GAC omitted in CL:AIRE (2010)

Plant uptake factors were not identified in CL:AIRE (2010) for antimony, barium and molybdenum. Hydrock has sourced the required parameter values from ORNL (1984) in order to derive GAC that are inclusive of the homegrown produce exposure pathway.

Chemical and Toxicity Parameters

The chemical and toxicity parameters have been adopted based on the following documents:

- IRIS, 2016. 'Toxicological Review of Trimethylbenzenes'. Integrated Risk Information System, National Centre for Environmental Assessment, office of Research and Development, U.S. Environmental Protection Agency.
- LQM/CIEH, 2015.
- ORNL, 1984. 'ORNL-5786. A Review and Analysis of Parameters for Assessing Transport of Environmentally released Radionuclides through Agriculture'. Oak Ridge National Laboratory.
- CL:AIRE, 2010.
- RIVM, 2001. RIVM Report 711701 025 'HCV Re-evaluation of human-toxicological maximum-permissible risk levels'. National Institute of Public Health and the Environment.
- LQM/CIEH, 2009.
- EA, 2009a.

Approach to Cyanide GAC

The Hydrock GAC for free cyanide have been derived based on ingestion of a bolus of contaminated soil. The GAC are derived for acute exposure of a child (0-6 years old) for all land uses except commercial, where the GAC are derived for acute exposure of an adult (16-65 years old). For the purpose of GQRA, the child value may be adopted for all land use scenarios.

For complex cyanide, the GAC have been derived based on chronic exposure, using the default exposure scenarios but excluding the consumption of homegrown produce, soil attached to homegrown produce, indoor vapour and outdoor vapour pathways. The chronic health criteria value (HCV) for complex cyanide is based on the EA (2009a) HCV for free cyanide and the ratio of toxicity between free and complex cyanide proposed by RIVM (2001).

Approach to Phenol GAC

In accordance with the EA Science Report SC050021 / Phenol SGV, a $GAC_{ing/inh}$ has been derived for ingested and inhaled phenol using the CLEA model, with a GAC_{derm} derived for dermal contact using Equation 5.7 within SR3. The lower of the $GAC_{ing/inh}$ and GAC_{derm} has been adopted as the final GAC.

Approach to PCB GAC

GAC for assessing the non-dioxin-like risk from PCBs have been based on the "Dutch 7". As the TDI used by the authors of the Dutch guidance is for the sum of the 7 individual congeners, the TDI has been divided by 7 to create a TDI for each congener. The non-dioxin-like risk from PCBs is therefore assessed using a Hazard Index approach as for total petroleum hydrocarbons (TPH).

Sub-surface soil to indoor air correction factors

Reflecting the approach taken by the Environment Agency in the development of revised SGV in 2009 for BTEX, a sub-surface soil to indoor air correction factor of 10 has been applied for petroleum hydrocarbons in order to account for over-prediction of vapour intrusion into building using the Johnson and Ettinger approach.

The correction factor of 10 has been applied to the following petroleum hydrocarbons (it makes negligible difference to less volatile TPH and PAH compounds):

- TPHCWG fractions, namely aliphatic EC>5-44 and aromatic EC>6-44;
- PAHs (acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene), benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h,)anthracene, fluoranthene, fluorene, indeno(1,2,3-c,d)pyrene, naphthalene, phenanthrene, pyrene);
- BTEX;
- Isopropylbenzene;
- Propylbenzene;
- 1,2,4- and 1,3,5-trimethylbenzene; and
- Styrene.

Approach to Saturation Limits

The CLEA model includes a traffic light colour system to highlight when saturated soil conditions have potentially been exceeded for the vapour pathways during calculation of assessment criteria. The colours represent:

- Green: the assessment criteria do not exceed the saturated soil concentration.
- Amber: the assessment criteria exceed the saturated soil concentration but the contribution of the indoor and outdoor vapour pathway to total exposure is less than 10% and will not significantly affect the assessment criteria.
- Red: the assessment criteria exceed the saturated soil concentration and the contribution of the indoor and outdoor vapour pathway to total exposure is greater than 10% and will significantly affect the assessment criteria.

Hydrock have not applied any further calculations or assessment in relation to saturation limits during GAC derivation, with the CLEA-modelled GAC being presented as the GAC. Consideration of saturation limits is undertaken during the data assessment stage.

References

CL:AIRE, 2010. 'The EIC/AGS/CL:AIRE Soil Generic Assessment Criteria for Human Health Risk Assessment'. Environmental Industries Commission, The Association of Geotechnical and Geoenvironmental Specialists and Contaminated Land: Applications in Real Environment.

CL:AIRE, 2014. 'Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination', Revision 2, DEFRA research project SP1010. Contaminated Land: Applications in Real Environment

CL:AIRE, 2021. C4SL Phase 2 Technical Reports for tetrachloroethene, trichloroethene and vinyl chloride. Contaminated Land: Applications in Real Environment.

EA, 2009a. 'Science Reports SC050021 – SGV and TOX reports for: benzene, toluene, ethylbenzene, xylene, arsenic, nickel, mercury, selenium, cadmium, inorganic cyanide, phenol, dioxins, furans and dioxin-like PCBs'; 'Supplementary information for the derivation of SGV for: benzene, toluene, ethylbenzene, xylene, arsenic, nickel, mercury, selenium, cadmium, inorganic cyanide, phenol, dioxins, furans and dioxin-like PCBs', and 'Contaminants in soil: updated collation of toxicological data and intake values for humans: benzene, toluene,

ethylbenzene, xylene, arsenic, nickel, mercury, selenium, cadmium, inorganic cyanide, phenol, dioxins, furans and dioxin-like PCBs'. Environment Agency.

EA, 2009b. 'Science Report – SC050021/SR2. Human health toxicological assessment of contaminants in soil'. Environment Agency.

EA, 2009c. 'Science Report – SC050021/SR3. Updated technical background to the CLEA model'. Environment Agency.

EA, 2009d. 'Science Report – SC050021/SR4. CLEA Software (version 1.05) Handbook'. Environment Agency.

IRIS, 2016. 'Toxicological Review of Trimethylbenzenes'. Integrated Risk Information System, National Centre for Environmental Assessment, office of Research and Development, U.S. Environmental Protection Agency.

LQM/CIEH, 2009. LQM/CIEH Generic Assessment Criteria for Human Health Risk Assessment, second edition. Nathanial, C. P., McCaffrey, C., Ashmore, M., Cheng, Y., Gillet, A. G., Ogden, R. C. and Scott, D.

LQM/CIEH, 2015. 'The LQM/CIEH S4ULs for Human Health Risk Assessment'. Nathanial, C. P., McCaffrey, C., Gillet, A. G., Ogden, R. C. and Nathanial, J. F.

ORNL, 1984. 'ORNL-5786. A Review and Analysis of Parameters for Assessing Transport of Environmentally released Radionuclides through Agriculture'. Oak Ridge National Laboratory.

RIVM, 2001. RIVM Report 711701 025 'HCV Re-evaluation of human-toxicological maximum-permissible risk levels'. National Institute of Public Health and the Environment.

Human Health GQRA

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Strata	30/08/22	31/08/22	02/09/22	03/08/22	01/09/22	14/09/22
														Date	30/08/22	31/08/22	02/09/22	03/08/22	01/09/22	14/09/22
														Zone	S	S	S	S	S	S
														Location	BH201	BH202	BH203	BH204	BH205	HP201
														Depth (m bgl)	0.2	0.1	0.1	0.2	0.1	0.1
-	**Asbestos**																			
P1020	Asbestos Identified	Y/N	Y/N	74	-	-	-	-	No. of detects:	0	-	-	-		N	N	N	N	N	N
-	**Hydrock Default Suite - FOC / SOM / pH**										-									
P1085	FOC (dimensionless)	[]	0.001	78	0.003	0.050	0.019	0.018	0.01		-	-	-		0.011	0.0057	0.012	0.0033	0.017	0.035
-	SOM (calculated)	%	0.1724	78	0.57	8.62	3.31	3.10	1.50		-	-	-		1.8964	0.98268	2.0688	0.56892	2.9308	6.034
P1334	pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	-		6.6	8	7.1	8	7.6	7.8
-	**Hydrock Default Suite - Metals & PAH**																			
7440-38-2	Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	29	NR	37	C4SL - CL:AIRE 2014		45	29	29	24	24	25
7440-41-7	Beryllium	mg/kg	0.06	78	0.64	1.90	1.18	1.15	0.27	3	NR	1.7	Hydrock Derived		1.2	1	0.98	0.85	1.2	1.1
7440-42-8	Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	NR	300	Hydrock Derived		0.7	0.4	0.9	0.4	2	2
7440-43-9	Cadmium	mg/kg	0.2	78	0.20	1.20	0.21	0.20	0.11	0	NR	22	C4SL - CL:AIRE 2014		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
16065-83-1	Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	NR	890	Hydrock Derived		43	34	33	31	42	30
18540-29-9	Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	NR	21	C4SL - CL:AIRE 2014		<1.8	<1.8	<1.8	<1.8	<1.8	2
7440-47-3	Chromium (Total)	mg/kg	1	78	25.00	70.00	42.28	41.00	9.55			-			43	34	34	31	42	32
7440-50-8	Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	NR	2500	Hydrock Derived		13	11	13	12	15	21
7439-92-1	Lead	mg/kg	1	78	14.00	160.00	30.96	27.50	18.53	0	NR	200	C4SL - CL:AIRE 2014		29	20	27	14	32	38
7439-97-6	Mercury, inorganic	mg/kg	0.3	78	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
7440-02-0	Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	NR	130	Hydrock Derived		29	23	23	21	29	25
7782-49-2	Selenium	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived		<1	<1	<1	<1	<1	<1
7440-62-2	Vanadium	mg/kg	1	78	41.00	250.00	72.46	68.00	27.93	0	NR	410	Hydrock Derived		80	64	59	53	64	51
7440-66-6	Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	NR	3900	Hydrock Derived		76	71	73	66	88	130
P1095	Cyanide (free)	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020		<1	<1	<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	78	1.00	1.30	1.00	1.00	0.03	0	24237	120	Hydrock Derived		<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	mg/kg	0.05	78	0.05	0.66	0.06	0.05	0.07	0	57	230	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
208-96-8	Acenaphthylene	mg/kg	0.05	78	0.05	2.50	0.08	0.05	0.28	0	86	180	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
120-12-7	Anthracene	mg/kg	0.05	78	0.05	1.70	0.08	0.05	0.21	0	1.17	2400	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.2
56-55-3	Benz(a)anthracene	mg/kg	0.05	78	0.05	2.30	0.12	0.05	0.33	0	1.71	8.9	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.56
50-32-8	Benzo(a)pyrene	mg/kg	0.05	78	0.05	1.80	0.10	0.05	0.23	0	0.91	5	C4SL - CL:AIRE 2014		<0.05	<0.05	<0.05	<0.05	<0.05	0.51
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	78	0.05	2.00	0.10	0.05	0.26	0	1.22	2.6	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.67
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	78	0.05	1.60	0.09	0.05	0.20	0	0.02	320	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.51
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	78	0.05	1.50	0.08	0.05	0.18	0	0.69	78	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.27
218-01-9	Chrysene	mg/kg	0.05	78	0.05	1.70	0.10	0.05	0.24	0	0.44	15	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.53
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	78	0.05	0.38	0.05	0.05	0.04	1	0.004	0.25	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
206-44-0	Fluoranthene	mg/kg	0.05	78	0.05	4.80	0.18	0.05	0.65	0	19	290	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.79
86-73-7	Fluorene	mg/kg	0.05	78	0.05	2.00	0.08	0.05	0.22	0	31	180	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	78	0.05	1.20	0.08	0.05	0.14	0	0.06	28	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.33
91-20-3	Naphthalene	mg/kg	0.05	78	0.05	1.60	0.08	0.05	0.19	0	76	13	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
85-01-8	Phenanthrene	mg/kg	0.05	78	0.05	7.40	0.21	0.05	0.88	0	36	98	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.59
129-00-0	Pyrene	mg/kg	0.05	78	0.05	4.50	0.18	0.05	0.61	0	2.2	620	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.68

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Date	30/08/22	31/08/22	02/09/22	03/08/22	01/09/22	14/09/22
														Zone	S	S	S	S	S	S
														Location	BH201	BH202	BH203	BH204	BH205	HP201
														Depth (m bgl)	0.2	0.1	0.1	0.2	0.1	0.1
														Strata	TS	TS	TS	TS	TS	TS
P1310	PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-								
-	**TPH fractions**																			
P1407	TPH ali EC05-EC06	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
P1408	TPH ali >EC06-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
P1409	TPH ali >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
P1410	TPH ali >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<1
P1411	TPH ali >EC12-EC16	mg/kg	2	14	2.00	2.50	2.04	2.00	0.13	0	24	1100	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<2
P1412	TPH ali >EC16-EC21	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-								
P1413	TPH ali >EC21-EC35	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-								
P1938	TPH ali >EC16-EC35	mg/kg	10	14	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<10
P1415	TPH ali >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<8.4
P1418	TPH ali >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-								
P1420	TPH ali >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-								
P1441	TPH aro EC05-EC07	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
P1355	TPH aro >EC07-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
P1356	TPH aro >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
P1357	TPH aro >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<1
P1358	TPH aro >EC12-EC16	mg/kg	2	14	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<2
P1359	TPH aro >EC16-EC21	mg/kg	10	14	10.00	18.00	10.57	10.00	2.14	0	54	260	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<10
P1360	TPH aro >EC21-EC35	mg/kg	10	14	10.00	44.00	12.43	10.00	9.09	0	5	1100	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<10
P1362	TPH aro >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<8.4
P1365	TPH aro >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-								
P1941	TPH aro >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-								
P1373	Total TPH >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-								
-	**VOCs - BTEX & MTBE**																			
71-43-2	Benzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014		N/A	N/A	N/A	N/A	N/A	<0.001
108-88-3	Toluene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	869	130	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
100-41-4	Ethylbenzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	518	47	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
95-47-6	Xylene, o-	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	478	61	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
1330-20-7	Xylene, p- (use this for combined m & p)	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	576	57	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
1634-04-4	MTBE	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	20358	62	Hydrock Derived		N/A	N/A	N/A	N/A	N/A	<0.001
	TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																
														Aliphatics >EC5-EC6						2.381E-05
														Aliphatics >EC6-EC8						0.00001
														Aliphatics >EC8-EC10						3.704E-05
													Considered additive	Aliphatics >EC10-EC12						0.0076923
														Aliphatics >EC12-EC16						0.0018182
														Aliphatics >EC16-EC35						0.0001538
														Aliphatics >EC35-EC44						0.0001292

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Date	30/08/22	31/08/22	02/09/22	03/08/22	01/09/22	14/09/22
														Zone	S	S	S	S	S	S
														Location	BH201	BH202	BH203	BH204	BH205	HP201
														Depth (m bgl)	0.2	0.1	0.1	0.2	0.1	0.1
														Strata	TS	TS	TS	TS	TS	TS
														Aromatics EC5-EC7						1.37E-05
														Aromatics >EC7-EC8						7.692E-06
														Aromatics >EC8-EC10						2.857E-05
													Considered additive	Aromatics >EC10-EC12						0.0133333
													Considered additive	Aromatics >EC12-EC16						0.0142857
													Considered additive	Aromatics >EC16-EC21						0.0384615
													Considered additive	Aromatics >EC21-EC35						0.0090909
														Aromatics >EC35-EC44						0.0076364
	Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													**Hazard Index for ali>C8-C16**						**0.009548**
														Hazard Index for aro>C8-C16						**0.027648**
														Hazard Index for aro>C16-C35						**0.047552**

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	14/09/22	14/09/22	14/09/22	14/09/22	14/09/22	06/09/22	09/09/22	08/09/22	09/09/22	06/09/22
													S	S	S	S	S	S	S	S	S	S
													HP202	HP203	HP204	HP205	HP206	TP204	TP205	TP206	TP211	TP213
													0.1	0.1	0.1	0.1	0.1	0.2	0.15	0.2	0.15	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Asbestos																						
Asbestos Identified	Y/N	Y/N	74	-	-	-	-	No. of detects:	0	-	-	-	N	N	N	N	N	N	N	N	N	N
Hydrock Default Suite - FOC / SOM / pH										-												
FOC (dimensionless)	[]	0.001	78	0.003	0.050	0.019	0.018	0.01		-	-	-	0.05	0.021	0.02	0.042	0.022	0.018	0.02	0.016	0.012	0.013
SOM (calculated)	%	0.1724	78	0.57	8.62	3.31	3.10	1.50		-	-	-	8.62	3.6204	3.448	7.2408	3.7928	3.1032	3.448	2.7584	2.0688	2.2412
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	-	7.1	7.7	7.9	7.5	7.5	8	7.8	7.8	7.9	7.9
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	29	NR	37	C4SL - CL:AIRE 2014	30	23	18	21	32	71	54	59	39	31
Beryllium	mg/kg	0.06	78	0.64	1.90	1.18	1.15	0.27	3	NR	1.7	Hydrock Derived	1.2	1.1	0.98	0.85	1.1	1.5	1.5	1.5	1.1	0.94
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	NR	300	Hydrock Derived	3.9	1.4	2.3	3.9	2.4	0.7	0.5	0.4	0.7	0.3
Cadmium	mg/kg	0.2	78	0.20	1.20	0.21	0.20	0.11	0	NR	22	C4SL - CL:AIRE 2014	<0.2	1.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	NR	890	Hydrock Derived	39	36	30	26	31	69	53	55	40	37
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	NR	21	C4SL - CL:AIRE 2014	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Chromium (Total)	mg/kg	1	78	25.00	70.00	42.28	41.00	9.55			-		39	36	30	26	32	69	54	56	41	38
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	NR	2500	Hydrock Derived	30	23	21	22	25	24	22	18	16	18
Lead	mg/kg	1	78	14.00	160.00	30.96	27.50	18.53	0	NR	200	C4SL - CL:AIRE 2014	50	44	30	47	44	46	31	26	32	28
Mercury, inorganic	mg/kg	0.3	78	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	NR	130	Hydrock Derived	27	27	26	23	27	44	35	34	25	23
Selenium	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	1	78	41.00	250.00	72.46	68.00	27.93	0	NR	410	Hydrock Derived	55	54	44	42	51	100	97	100	75	62
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	NR	3900	Hydrock Derived	260	130	110	150	130	110	100	99	70	70
Cyanide (free)	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	78	1.00	1.30	1.00	1.00	0.03	0	24237	120	Hydrock Derived	1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	mg/kg	0.05	78	0.05	0.66	0.06	0.05	0.07	0	57	230	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	0.66	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	78	0.05	2.50	0.08	0.05	0.28	0	86	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	2.5	<0.05	<0.05	<0.05	0.32
Anthracene	mg/kg	0.05	78	0.05	1.70	0.08	0.05	0.21	0	1.17	2400	Hydrock Derived	0.81	<0.05	<0.05	<0.05	<0.05	1.7	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	78	0.05	2.30	0.12	0.05	0.33	0	1.71	8.9	Hydrock Derived	2.3	0.18	0.25	<0.05	0.38	1.8	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	mg/kg	0.05	78	0.05	1.80	0.10	0.05	0.23	0	0.91	5	C4SL - CL:AIRE 2014	1.8	0.24	<0.05	<0.05	0.37	0.98	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	mg/kg	0.05	78	0.05	2.00	0.10	0.05	0.26	0	1.22	2.6	Hydrock Derived	2	0.27	<0.05	<0.05	0.48	1.1	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	0.05	78	0.05	1.60	0.09	0.05	0.20	0	0.02	320	Hydrock Derived	1.6	<0.05	<0.05	<0.05	0.33	0.82	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0.05	78	0.05	1.50	0.08	0.05	0.18	0	0.69	78	Hydrock Derived	1.5	0.14	<0.05	<0.05	0.16	0.75	<0.05	<0.05	<0.05	<0.05
Chrysene	mg/kg	0.05	78	0.05	1.70	0.10	0.05	0.24	0	0.44	15	Hydrock Derived	1.7	0.23	0.25	<0.05	0.33	1.3	<0.05	<0.05	<0.05	<0.05
Dibenz(ah)anthracene	mg/kg	0.05	78	0.05	0.38	0.05	0.05	0.04	1	0.004	0.25	Hydrock Derived	0.38	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	78	0.05	4.80	0.18	0.05	0.65	0	19	290	Hydrock Derived	3.2	0.27	0.28	<0.05	0.51	4.8	<0.05	<0.05	<0.05	0.44
Fluorene	mg/kg	0.05	78	0.05	2.00	0.08	0.05	0.22	0	31	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	2	<0.05	<0.05	<0.05	0.2
Indeno(123cd)pyrene	mg/kg	0.05	78	0.05	1.20	0.08	0.05	0.14	0	0.06	28	Hydrock Derived	1.2	<0.05	<0.05	<0.05	0.23	0.51	<0.05	<0.05	<0.05	<0.05
Naphthalene	mg/kg	0.05	78	0.05	1.60	0.08	0.05	0.19	0	76	13	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	1.6	<0.05	<0.05	<0.05	0.81
Phenanthrene	mg/kg	0.05	78	0.05	7.40	0.21	0.05	0.88	0	36	98	Hydrock Derived	2.6	<0.05	<0.05	<0.05	0.28	7.4	<0.05	<0.05	<0.05	0.87
Pyrene	mg/kg	0.05	78	0.05	4.50	0.18	0.05	0.61	0	2.2	620	Hydrock Derived	3.1	0.25	0.25	<0.05	0.46	4.5	<0.05	<0.05	<0.05	0.46

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	14/09/22	14/09/22	14/09/22	14/09/22	14/09/22	06/09/22	09/09/22	08/09/22	09/09/22	06/09/22
													S	S	S	S	S	S	S	S	S	S
													HP202	HP203	HP204	HP205	HP206	TP204	TP205	TP206	TP211	TP213
													0.1	0.1	0.1	0.1	0.1	0.2	0.15	0.2	0.15	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-											
TPH fractions																						
TPH ali EC05-EC06	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
TPH ali >EC06-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
TPH ali >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
TPH ali >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived	<1	<1	<1	<1	<1	N/A	N/A	N/A	N/A	N/A
TPH ali >EC12-EC16	mg/kg	2	14	2.00	2.50	2.04	2.00	0.13	0	24	1100	Hydrock Derived	<2	<2	2.5	<2	<2	N/A	N/A	N/A	N/A	N/A
TPH ali >EC16-EC21	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC21-EC35	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC16-EC35	mg/kg	10	14	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived	<10	<10	<10	<10	<10	N/A	N/A	N/A	N/A	N/A
TPH ali >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived	<8.4	<8.4	<8.4	<8.4	<8.4	N/A	N/A	N/A	N/A	N/A
TPH ali >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH ali >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro EC05-EC07	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
TPH aro >EC07-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
TPH aro >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
TPH aro >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived	<1	<1	<1	<1	<1	N/A	N/A	N/A	N/A	N/A
TPH aro >EC12-EC16	mg/kg	2	14	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived	<2	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
TPH aro >EC16-EC21	mg/kg	10	14	10.00	18.00	10.57	10.00	2.14	0	54	260	Hydrock Derived	18	<10	<10	<10	<10	N/A	N/A	N/A	N/A	N/A
TPH aro >EC21-EC35	mg/kg	10	14	10.00	44.00	12.43	10.00	9.09	0	5	1100	Hydrock Derived	44	<10	<10	<10	<10	N/A	N/A	N/A	N/A	N/A
TPH aro >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived	<8.4	<8.4	<8.4	<8.4	<8.4	N/A	N/A	N/A	N/A	N/A
TPH aro >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
Total TPH >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
VOCs - BTEX & MTBE																						
Benzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
Toluene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	869	130	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
Ethylbenzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	518	47	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
Xylene, o-	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	478	61	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
Xylene, p- (use this for combined m & p)	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	576	57	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
MTBE	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	20358	62	Hydrock Derived	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																			
													2.381E-05	2.381E-05	2.381E-05	2.381E-05	2.381E-05					
													0.00001	0.00001	0.00001	0.00001	0.00001					
													3.704E-05	3.704E-05	3.704E-05	3.704E-05	3.704E-05					
													A 0.0076923	0.0076923	0.0076923	0.0076923	0.0076923					
													A 0.0018182	0.0018182	0.0022727	0.0018182	0.0018182					
													A 0.0001538	0.0001538	0.0001538	0.0001538	0.0001538					
													A 0.0001292	0.0001292	0.0001292	0.0001292	0.0001292					

Considered additive

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	14/09/22	14/09/22	14/09/22	14/09/22	14/09/22	06/09/22	09/09/22	08/09/22	09/09/22	06/09/22
													S	S	S	S	S	S	S	S	S	S
													HP202	HP203	HP204	HP205	HP206	TP204	TP205	TP206	TP211	TP213
													0.1	0.1	0.1	0.1	0.1	0.2	0.15	0.2	0.15	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
													1.37E-05	1.37E-05	1.37E-05	1.37E-05	1.37E-05					
													7.692E-06	7.692E-06	7.692E-06	7.692E-06	7.692E-06					
													2.857E-05	2.857E-05	2.857E-05	2.857E-05	2.857E-05					
						Considered additive							A 0.0133333	0.0133333	0.0133333	0.0133333	0.0133333					
													A 0.0142857	0.0142857	0.0142857	0.0142857	0.0142857					
													A 0.0692308	0.0384615	0.0384615	0.0384615	0.0384615					
						Considered additive							A 0.04	0.0090909	0.0090909	0.0090909	0.0090909					
													A 0.0076364	0.0076364	0.0076364	0.0076364	0.0076364					
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													Hazard I	0.009548	0.009548	0.010002	0.009548	0.009548					
													Hazard In	0.027648	0.027648	0.027648	0.027648	0.027648					
													Hazard Ind	0.109231	0.047552	0.047552	0.047552	0.047552					

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 3.31

Scenario SOM% 1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	08/09/22	08/09/22	05/09/22	08/09/22	05/09/22	05/09/22	07/09/22	07/09/22	07/09/22	07/09/22
													S	S	S	S	S	S	S	S	S	S
													TP218	TP219	TP221	TP223	TP226	TP227	TP230	TP231	TP232	TP234
													0.15	0.25	0.2	0.15	0.2	0.2	0.2	0.2	0.2	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Asbestos																						
Asbestos Identified	Y/N	Y/N	74	-	-	-	-	No. of detects:	0	-	-	-	N	N	N	N	N	N	N	N	N	N
Hydrock Default Suite - FOC / SOM / pH										-												
FOC (dimensionless)	[]	0.001	78	0.003	0.050	0.019	0.018	0.01		-	-	-	0.016	0.022	0.012	0.013	0.019	0.013	0.022	0.028	0.029	0.022
SOM (calculated)	%	0.1724	78	0.57	8.62	3.31	3.10	1.50		-	-	-	2.7584	3.7928	2.0688	2.2412	3.2756	2.2412	3.7928	4.8272	4.9996	3.7928
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	-	7	7.7	7.5	7.7	8	8.1	7.7	7.9	7.6	7.3
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	29	NR	37	C4SL - CL:AIRE 2014	41	51	41	18	39	36	14	15	20	15
Beryllium	mg/kg	0.06	78	0.64	1.90	1.18	1.15	0.27	3	NR	1.7	Hydrock Derived	1.1	1.4	1.2	0.79	1.2	1	0.8	0.88	1.3	0.96
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	NR	300	Hydrock Derived	0.5	0.4	0.5	0.6	1	1.1	0.3	1.3	2	1.1
Cadmium	mg/kg	0.2	78	0.20	1.20	0.21	0.20	0.11	0	NR	22	C4SL - CL:AIRE 2014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	NR	890	Hydrock Derived	38	50	43	28	43	38	31	36	42	38
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	NR	21	C4SL - CL:AIRE 2014	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Chromium (Total)	mg/kg	1	78	25.00	70.00	42.28	41.00	9.55			-		39	50	43	29	45	39	32	36	44	39
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	NR	2500	Hydrock Derived	20	20	20	16	21	16	11	14	19	12
Lead	mg/kg	1	78	14.00	160.00	30.96	27.50	18.53	0	NR	200	C4SL - CL:AIRE 2014	27	27	34	25	30	20	19	22	33	22
Mercury, inorganic	mg/kg	0.3	78	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	NR	130	Hydrock Derived	25	34	28	18	31	25	17	17	25	18
Selenium	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	1	78	41.00	250.00	72.46	68.00	27.93	0	NR	410	Hydrock Derived	68	97	74	45	78	72	46	49	61	53
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	NR	3900	Hydrock Derived	83	110	91	56	110	89	53	61	92	58
Cyanide (free)	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	78	1.00	1.30	1.00	1.00	0.03	0	24237	120	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	mg/kg	0.05	78	0.05	0.66	0.06	0.05	0.07	0	57	230	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	78	0.05	2.50	0.08	0.05	0.28	0	86	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	mg/kg	0.05	78	0.05	1.70	0.08	0.05	0.21	0	1.17	2400	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	78	0.05	2.30	0.12	0.05	0.33	0	1.71	8.9	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	mg/kg	0.05	78	0.05	1.80	0.10	0.05	0.23	0	0.91	5	C4SL - CL:AIRE 2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	mg/kg	0.05	78	0.05	2.00	0.10	0.05	0.26	0	1.22	2.6	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	0.05	78	0.05	1.60	0.09	0.05	0.20	0	0.02	320	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0.05	78	0.05	1.50	0.08	0.05	0.18	0	0.69	78	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	mg/kg	0.05	78	0.05	1.70	0.10	0.05	0.24	0	0.44	15	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(ah)anthracene	mg/kg	0.05	78	0.05	0.38	0.05	0.05	0.04	1	0.004	0.25	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	78	0.05	4.80	0.18	0.05	0.65	0	19	290	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	0.23	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	mg/kg	0.05	78	0.05	2.00	0.08	0.05	0.22	0	31	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	78	0.05	1.20	0.08	0.05	0.14	0	0.06	28	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	mg/kg	0.05	78	0.05	1.60	0.08	0.05	0.19	0	76	13	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	mg/kg	0.05	78	0.05	7.40	0.21	0.05	0.88	0	36	98	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	0.41	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	mg/kg	0.05	78	0.05	4.50	0.18	0.05	0.61	0	2.2	620	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	0.3	<0.05	<0.05	<0.05	<0.05	<0.05

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	08/09/22	08/09/22	05/09/22	08/09/22	05/09/22	05/09/22	07/09/22	07/09/22	07/09/22	07/09/22
													S	S	S	S	S	S	S	S	S	S
													TP218	TP219	TP221	TP223	TP226	TP227	TP230	TP231	TP232	TP234
													0.15	0.25	0.2	0.15	0.2	0.2	0.2	0.2	0.2	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-											
TPH fractions																						
TPH ali EC05-EC06	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
TPH ali >EC06-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
TPH ali >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
TPH ali >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<1	N/A	N/A	N/A
TPH ali >EC12-EC16	mg/kg	2	14	2.00	2.50	2.04	2.00	0.13	0	24	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<2	N/A	N/A	N/A
TPH ali >EC16-EC21	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC21-EC35	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC16-EC35	mg/kg	10	14	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<10	N/A	N/A	N/A
TPH ali >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<8.4	N/A	N/A	N/A
TPH ali >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH ali >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro EC05-EC07	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
TPH aro >EC07-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
TPH aro >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
TPH aro >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<1	N/A	N/A	N/A
TPH aro >EC12-EC16	mg/kg	2	14	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<2	N/A	N/A	N/A
TPH aro >EC16-EC21	mg/kg	10	14	10.00	18.00	10.57	10.00	2.14	0	54	260	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<10	N/A	N/A	N/A
TPH aro >EC21-EC35	mg/kg	10	14	10.00	44.00	12.43	10.00	9.09	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<10	N/A	N/A	N/A
TPH aro >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<8.4	N/A	N/A	N/A
TPH aro >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
Total TPH >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
VOCs - BTEX & MTBE																						
Benzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
Toluene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
Ethylbenzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	518	47	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
Xylene, o-	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	478	61	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
Xylene, p- (use this for combined m & p)	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	576	57	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
MTBE	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	20358	62	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																			
																			2.381E-05			
																			0.00001			
																			3.704E-05			
Considered additive													A						0.0076923			
													A						0.0018182			
													A						0.0001538			
													A						0.0001292			

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source										
													08/09/22	08/09/22	05/09/22	08/09/22	05/09/22	05/09/22	07/09/22	07/09/22	07/09/22	07/09/22
													S	S	S	S	S	S	S	S	S	S
													TP218	TP219	TP221	TP223	TP226	TP227	TP230	TP231	TP232	TP234
													0.15	0.25	0.2	0.15	0.2	0.2	0.2	0.2	0.2	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
																			1.37E-05			
																			7.692E-06			
																			2.857E-05			
												Considered additive	A						0.0133333			
													A						0.0142857			
													A						0.0384615			
												Considered additive	A						0.0090909			
													A						0.0076364			
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.												**Hazard I**							**0.009548**			
												Hazard In							**0.027648**			
												Hazard Ind							**0.047552**			

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	30/08/22	30/08/22	23/08/22	23/08/22	22/08/22	24/08/22	25/08/22	25/08/22	22/08/22	22/08/22
													S	S	S	S	S	S	S	S	S	S
													WS201	WS202	WS203	WS204	WS205	WS206	WS207	WS208	WS209	WS210
													0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.3	0.1
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Asbestos																						
Asbestos Identified	Y/N	Y/N	74	-	-	-	-	No. of detects:	0	-	-	-	N	N	N	N	N	N	N	N	N	N
Hydrock Default Suite - FOC / SOM / pH										-												
FOC (dimensionless)	[]	0.001	78	0.003	0.050	0.019	0.018	0.01		-	-	-	0.0057	0.011	0.02	0.027	0.023	0.023	0.03	0.04	0.031	0.03
SOM (calculated)	%	0.1724	78	0.57	8.62	3.31	3.10	1.50		-	-	-	0.98268	1.8964	3.448	4.6548	3.9652	3.9652	5.172	6.896	5.3444	5.172
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	-	8.4	7.9	7.7	7.9	7.9	7.7	7.6	7.3	7.4	7.3
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	29	NR	37	C4SL - CL:AIRE 2014	19	28	52	67	35	64	29	36	36	26
Beryllium	mg/kg	0.06	78	0.64	1.90	1.18	1.15	0.27	3	NR	1.7	Hydrock Derived	1.6	1.3	1.4	1.6	1.6	1.4	1.5	1.8	1.1	1.7
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	NR	300	Hydrock Derived	1.3	1.6	0.9	2.4	0.9	2.7	0.9	1	0.8	2.9
Cadmium	mg/kg	0.2	78	0.20	1.20	0.21	0.20	0.11	0	NR	22	C4SL - CL:AIRE 2014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	NR	890	Hydrock Derived	43	46	48	56	49	52	47	54	38	55
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	NR	21	C4SL - CL:AIRE 2014	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Chromium (Total)	mg/kg	1	78	25.00	70.00	42.28	41.00	9.55			-		44	46	49	57	50	53	48	55	38	56
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	NR	2500	Hydrock Derived	21	15	14	19	19	16	17	23	17	18
Lead	mg/kg	1	78	14.00	160.00	30.96	27.50	18.53	0	NR	200	C4SL - CL:AIRE 2014	20	21	35	55	40	36	28	36	31	31
Mercury, inorganic	mg/kg	0.3	78	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	NR	130	Hydrock Derived	32	29	31	39	35	34	31	37	25	33
Selenium	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	1	78	41.00	250.00	72.46	68.00	27.93	0	NR	410	Hydrock Derived	65	73	90	100	83	110	78	86	68	81
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	NR	3900	Hydrock Derived	88	81	86	96	120	110	82	93	95	94
Cyanide (free)	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	78	1.00	1.30	1.00	1.00	0.03	0	24237	120	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	mg/kg	0.05	78	0.05	0.66	0.06	0.05	0.07	0	57	230	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	78	0.05	2.50	0.08	0.05	0.28	0	86	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	mg/kg	0.05	78	0.05	1.70	0.08	0.05	0.21	0	1.17	2400	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	78	0.05	2.30	0.12	0.05	0.33	0	1.71	8.9	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	0.2	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	mg/kg	0.05	78	0.05	1.80	0.10	0.05	0.23	0	0.91	5	C4SL - CL:AIRE 2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	mg/kg	0.05	78	0.05	2.00	0.10	0.05	0.26	0	1.22	2.6	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	0.05	78	0.05	1.60	0.09	0.05	0.20	0	0.02	320	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0.05	78	0.05	1.50	0.08	0.05	0.18	0	0.69	78	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	mg/kg	0.05	78	0.05	1.70	0.10	0.05	0.24	0	0.44	15	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	0.18	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(ah)anthracene	mg/kg	0.05	78	0.05	0.38	0.05	0.05	0.04	1	0.004	0.25	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	78	0.05	4.80	0.18	0.05	0.65	0	19	290	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	0.25	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	mg/kg	0.05	78	0.05	2.00	0.08	0.05	0.22	0	31	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	78	0.05	1.20	0.08	0.05	0.14	0	0.06	28	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	mg/kg	0.05	78	0.05	1.60	0.08	0.05	0.19	0	76	13	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	mg/kg	0.05	78	0.05	7.40	0.21	0.05	0.88	0	36	98	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	mg/kg	0.05	78	0.05	4.50	0.18	0.05	0.61	0	2.2	620	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	0.28	<0.05	<0.05	<0.05	<0.05	<0.05

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	30/08/22	30/08/22	23/08/22	23/08/22	22/08/22	24/08/22	25/08/22	25/08/22	22/08/22	22/08/22
													S	S	S	S	S	S	S	S	S	S
													WS201	WS202	WS203	WS204	WS205	WS206	WS207	WS208	WS209	WS210
													0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.3	0.1
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-											
TPH fractions																						
TPH ali EC05-EC06	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC06-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC12-EC16	mg/kg	2	14	2.00	2.50	2.04	2.00	0.13	0	24	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC16-EC21	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC21-EC35	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC16-EC35	mg/kg	10	14	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH ali >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro EC05-EC07	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC07-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC12-EC16	mg/kg	2	14	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC16-EC21	mg/kg	10	14	10.00	18.00	10.57	10.00	2.14	0	54	260	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC21-EC35	mg/kg	10	14	10.00	44.00	12.43	10.00	9.09	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
Total TPH >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
VOCs - BTEX & MTBE																						
Benzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Toluene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethylbenzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	518	47	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Xylene, o-	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	478	61	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Xylene, p- (use this for combined m & p)	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	576	57	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MTBE	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	20358	62	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																			

Considered additive

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 3.31

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	30/08/22	30/08/22	23/08/22	23/08/22	22/08/22	24/08/22	25/08/22	25/08/22	22/08/22	22/08/22
													S	S	S	S	S	S	S	S	S	S
													WS201	WS202	WS203	WS204	WS205	WS206	WS207	WS208	WS209	WS210
													0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.3	0.1
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
						Considered additive							A									
													A									
													A									
						Considered additive							A									
													A									
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													**Hazard I**									
													Hazard In									
													Hazard Ind									

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 3.31

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	31/08/22	30/08/22	22/08/22	23/08/22	25/08/22	30/08/22	23/08/22	24/08/22	24/08/22	24/08/22
													S	S	S	S	S	S	S	S	S	S
													WS211	WS212	WS213	WS214	WS215	WS216	WS217	WS218	WS219	WS220
													0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Asbestos																						
Asbestos Identified	Y/N	Y/N	74	-	-	-	-	No. of detects:	0	-	-	-	N	N	N	N	N	N	N	N	N	N
Hydrock Default Suite - FOC / SOM / pH										-												
FOC (dimensionless)	[]	0.001	78	0.003	0.050	0.019	0.018	0.01		-	-	-	0.012	0.014	0.017	0.018	0.033	0.006	0.019	0.014	0.018	0.013
SOM (calculated)	%	0.1724	78	0.57	8.62	3.31	3.10	1.50		-	-	-	2.0688	2.4136	2.9308	3.1032	5.6892	1.0344	3.2756	2.4136	3.1032	2.2412
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	-	8.1	7.6	7.7	8.1	7.6	7.9	7.6	7.6	7.9	7.9
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	29	NR	37	C4SL - CL:AIRE 2014	45	62	67	63	25	65	47	48	27	22
Beryllium	mg/kg	0.06	78	0.64	1.90	1.18	1.15	0.27	3	NR	1.7	Hydrock Derived	1.1	1.5	1.6	1.4	1.5	1.9	1.3	1.3	0.81	0.91
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	NR	300	Hydrock Derived	0.7	2.2	0.4	1.1	4.2	0.9	1.1	0.5	0.6	0.5
Cadmium	mg/kg	0.2	78	0.20	1.20	0.21	0.20	0.11	0	NR	22	C4SL - CL:AIRE 2014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	NR	890	Hydrock Derived	39	54	69	50	47	65	47	47	30	32
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	NR	21	C4SL - CL:AIRE 2014	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Chromium (Total)	mg/kg	1	78	25.00	70.00	42.28	41.00	9.55			-		40	54	70	52	48	66	48	48	31	33
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	NR	2500	Hydrock Derived	13	17	15	15	19	18	15	12	14	14
Lead	mg/kg	1	78	14.00	160.00	30.96	27.50	18.53	0	NR	200	C4SL - CL:AIRE 2014	28	26	30	28	32	26	30	31	23	25
Mercury, inorganic	mg/kg	0.3	78	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	NR	130	Hydrock Derived	27	37	40	33	30	49	32	30	20	21
Selenium	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	1	78	41.00	250.00	72.46	68.00	27.93	0	NR	410	Hydrock Derived	71	96	250	91	72	120	90	83	49	53
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	NR	3900	Hydrock Derived	95	94	100	96	85	110	110	84	73	65
Cyanide (free)	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	78	1.00	1.30	1.00	1.00	0.03	0	24237	120	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	mg/kg	0.05	78	0.05	0.66	0.06	0.05	0.07	0	57	230	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	78	0.05	2.50	0.08	0.05	0.28	0	86	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	mg/kg	0.05	78	0.05	1.70	0.08	0.05	0.21	0	1.17	2400	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	78	0.05	2.30	0.12	0.05	0.33	0	1.71	8.9	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	mg/kg	0.05	78	0.05	1.80	0.10	0.05	0.23	0	0.91	5	C4SL - CL:AIRE 2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	mg/kg	0.05	78	0.05	2.00	0.10	0.05	0.26	0	1.22	2.6	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	0.05	78	0.05	1.60	0.09	0.05	0.20	0	0.02	320	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0.05	78	0.05	1.50	0.08	0.05	0.18	0	0.69	78	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	mg/kg	0.05	78	0.05	1.70	0.10	0.05	0.24	0	0.44	15	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(ah)anthracene	mg/kg	0.05	78	0.05	0.38	0.05	0.05	0.04	1	0.004	0.25	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	78	0.05	4.80	0.18	0.05	0.65	0	19	290	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	mg/kg	0.05	78	0.05	2.00	0.08	0.05	0.22	0	31	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	78	0.05	1.20	0.08	0.05	0.14	0	0.06	28	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	mg/kg	0.05	78	0.05	1.60	0.08	0.05	0.19	0	76	13	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	mg/kg	0.05	78	0.05	7.40	0.21	0.05	0.88	0	36	98	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	mg/kg	0.05	78	0.05	4.50	0.18	0.05	0.61	0	2.2	620	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	31/08/22	30/08/22	22/08/22	23/08/22	25/08/22	30/08/22	23/08/22	24/08/22	24/08/22	24/08/22
													S	S	S	S	S	S	S	S	S	S
													WS211	WS212	WS213	WS214	WS215	WS216	WS217	WS218	WS219	WS220
													0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-											
TPH fractions																						
TPH ali EC05-EC06	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC06-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC12-EC16	mg/kg	2	14	2.00	2.50	2.04	2.00	0.13	0	24	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC16-EC21	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC21-EC35	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC16-EC35	mg/kg	10	14	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH ali >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro EC05-EC07	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC07-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC12-EC16	mg/kg	2	14	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC16-EC21	mg/kg	10	14	10.00	18.00	10.57	10.00	2.14	0	54	260	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC21-EC35	mg/kg	10	14	10.00	44.00	12.43	10.00	9.09	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
Total TPH >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
VOCs - BTEX & MTBE																						
Benzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Toluene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethylbenzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	518	47	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Xylene, o-	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	478	61	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Xylene, p- (use this for combined m & p)	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	576	57	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MTBE	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	20358	62	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																			

Considered additive

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 3.31

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	31/08/22	30/08/22	22/08/22	23/08/22	25/08/22	30/08/22	23/08/22	24/08/22	24/08/22	24/08/22
													S	S	S	S	S	S	S	S	S	S
													WS211	WS212	WS213	WS214	WS215	WS216	WS217	WS218	WS219	WS220
													0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
						Considered additive							A									
													A									
													A									
						Considered additive							A									
													A									
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													Hazard I									
													Hazard In									
													Hazard Ind									

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	01/09/22	25/08/22	24/08/22	08/09/22	31/08/22	23/08/22	23/08/22	05/09/22	02/09/22	31/08/22
													S	S	S	S	S	S	S	S	S	S
													WS221	WS222	WS223	WS224	WS225	WS226	WS227	WS228	WS229	WS230
													0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Asbestos																						
Asbestos Identified	Y/N	Y/N	74	-	-	-	-	No. of detects:	0	-	-	-	N	N	N	N	N	N	N	N	N	N
Hydrock Default Suite - FOC / SOM / pH										-												
FOC (dimensionless)	[]	0.001	78	0.003	0.050	0.019	0.018	0.01		-	-	-	0.023	0.014	0.02	0.026	0.013	0.018	0.017	0.0073	0.0095	0.017
SOM (calculated)	%	0.1724	78	0.57	8.62	3.31	3.10	1.50		-	-	-	3.9652	2.4136	3.448	4.4824	2.2412	3.1032	2.9308	1.25852	1.6378	2.9308
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	-	7.9	7.9	7.5	8.6	8	7.7	7.3	7.5	7.5	7.6
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	29	NR	37	C4SL - CL:AIRE 2014	31	41	59	25	27	57	43	48	48	44
Beryllium	mg/kg	0.06	78	0.64	1.90	1.18	1.15	0.27	3	NR	1.7	Hydrock Derived	1.2	1.1	1.5	0.88	0.89	1.5	1.1	1.3	1.4	1.3
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	NR	300	Hydrock Derived	2.4	0.3	1.8	0.6	1.1	0.2	0.7	0.4	0.7	1.3
Cadmium	mg/kg	0.2	78	0.20	1.20	0.21	0.20	0.11	0	NR	22	C4SL - CL:AIRE 2014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	NR	890	Hydrock Derived	41	39	53	32	31	55	40	49	48	44
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	NR	21	C4SL - CL:AIRE 2014	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Chromium (Total)	mg/kg	1	78	25.00	70.00	42.28	41.00	9.55			-		41	40	54	32	32	56	41	50	49	46
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	NR	2500	Hydrock Derived	14	14	17	15	13	17	11	18	15	14
Lead	mg/kg	1	78	14.00	160.00	30.96	27.50	18.53	0	NR	200	C4SL - CL:AIRE 2014	21	27	28	23	94	32	31	20	28	26
Mercury, inorganic	mg/kg	0.3	78	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	NR	130	Hydrock Derived	24	27	35	20	24	36	27	35	33	30
Selenium	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	1	78	41.00	250.00	72.46	68.00	27.93	0	NR	410	Hydrock Derived	69	73	97	52	63	96	81	91	120	83
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	NR	3900	Hydrock Derived	75	77	120	64	67	92	76	77	90	89
Cyanide (free)	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	78	1.00	1.30	1.00	1.00	0.03	0	24237	120	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	mg/kg	0.05	78	0.05	0.66	0.06	0.05	0.07	0	57	230	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	78	0.05	2.50	0.08	0.05	0.28	0	86	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	mg/kg	0.05	78	0.05	1.70	0.08	0.05	0.21	0	1.17	2400	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	78	0.05	2.30	0.12	0.05	0.33	0	1.71	8.9	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	mg/kg	0.05	78	0.05	1.80	0.10	0.05	0.23	0	0.91	5	C4SL - CL:AIRE 2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	mg/kg	0.05	78	0.05	2.00	0.10	0.05	0.26	0	1.22	2.6	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	0.05	78	0.05	1.60	0.09	0.05	0.20	0	0.02	320	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0.05	78	0.05	1.50	0.08	0.05	0.18	0	0.69	78	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	mg/kg	0.05	78	0.05	1.70	0.10	0.05	0.24	0	0.44	15	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(ah)anthracene	mg/kg	0.05	78	0.05	0.38	0.05	0.05	0.04	1	0.004	0.25	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	78	0.05	4.80	0.18	0.05	0.65	0	19	290	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	mg/kg	0.05	78	0.05	2.00	0.08	0.05	0.22	0	31	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	78	0.05	1.20	0.08	0.05	0.14	0	0.06	28	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	mg/kg	0.05	78	0.05	1.60	0.08	0.05	0.19	0	76	13	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	mg/kg	0.05	78	0.05	7.40	0.21	0.05	0.88	0	36	98	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	mg/kg	0.05	78	0.05	4.50	0.18	0.05	0.61	0	2.2	620	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	01/09/22	25/08/22	24/08/22	08/09/22	31/08/22	23/08/22	23/08/22	05/09/22	02/09/22	31/08/22
													S	S	S	S	S	S	S	S	S	S
													WS221	WS222	WS223	WS224	WS225	WS226	WS227	WS228	WS229	WS230
													0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-											
TPH fractions																						
TPH ali EC05-EC06	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC06-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived	N/A	N/A	<1	<1	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC12-EC16	mg/kg	2	14	2.00	2.50	2.04	2.00	0.13	0	24	1100	Hydrock Derived	N/A	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC16-EC21	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC21-EC35	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC16-EC35	mg/kg	10	14	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived	N/A	N/A	<10	<10	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived	N/A	N/A	<8.4	<8.4	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH ali >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro EC05-EC07	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC07-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived	N/A	N/A	<1	<1	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC12-EC16	mg/kg	2	14	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived	N/A	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC16-EC21	mg/kg	10	14	10.00	18.00	10.57	10.00	2.14	0	54	260	Hydrock Derived	N/A	N/A	<10	<10	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC21-EC35	mg/kg	10	14	10.00	44.00	12.43	10.00	9.09	0	5	1100	Hydrock Derived	N/A	N/A	<10	<10	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived	N/A	N/A	<8.4	<8.4	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
Total TPH >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
VOCs - BTEX & MTBE																						
Benzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
Toluene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
Ethylbenzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	518	47	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
Xylene, o-	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	478	61	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
Xylene, p- (use this for combined m & p)	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	576	57	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
MTBE	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	20358	62	Hydrock Derived	N/A	N/A	<0.001	<0.001	N/A	N/A	N/A	N/A	N/A	N/A
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																			
															2.381E-05	2.381E-05						
															0.00001	0.00001						
															3.704E-05	3.704E-05						
Considered additive													A		0.0076923	0.0076923						
													A		0.0018182	0.0018182						
													A		0.0001538	0.0001538						
													A		0.0001292	0.0001292						

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 3.31

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	01/09/22	25/08/22	24/08/22	08/09/22	31/08/22	23/08/22	23/08/22	05/09/22	02/09/22	31/08/22
													S	S	S	S	S	S	S	S	S	S
													WS221	WS222	WS223	WS224	WS225	WS226	WS227	WS228	WS229	WS230
													0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
															1.37E-05	1.37E-05						
															7.692E-06	7.692E-06						
															2.857E-05	2.857E-05						
												Considered additive	A		0.0133333	0.0133333						
													A		0.0142857	0.0142857						
													A		0.0384615	0.0384615						
												Considered additive	A		0.0090909	0.0090909						
													A		0.0076364	0.0076364						
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.												Hazard I			0.009548	0.009548						
												Hazard In			0.027648	0.027648						
												Hazard Ind			0.047552	0.047552						

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	31/08/22	26/08/22	08/09/22	02/09/22	31/08/22	06/09/22	01/09/22	05/09/22	02/09/22	01/09/22
													S	S	S	S	S	S	S	S	S	S
													WS231	WS232	WS234	WS237	WS238	WS239	WS241	WS242	WS243	WS244
													0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Asbestos																						
Asbestos Identified	Y/N	Y/N	74	-	-	-	-	No. of detects:	0	-	-	-	N	N	N	N	N	N	N	N	N	N
Hydrock Default Suite - FOC / SOM / pH										-												
FOC (dimensionless)	[]	0.001	78	0.003	0.050	0.019	0.018	0.01		-	-	-	0.0066	0.011	0.021	0.011	0.019	0.021	0.026	0.014	0.024	0.012
SOM (calculated)	%	0.1724	78	0.57	8.62	3.31	3.10	1.50		-	-	-	1.13784	1.8964	3.6204	1.8964	3.2756	3.6204	4.4824	2.4136	4.1376	2.0688
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	-	7.9	8	8.3	7.6	7.8	8	7.8	7.7	7.9	7.6
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	29	NR	37	C4SL - CL:AIRE 2014	30	20	16	48	48	13	18	24	52	20
Beryllium	mg/kg	0.06	78	0.64	1.90	1.18	1.15	0.27	3	NR	1.7	Hydrock Derived	0.88	0.87	0.99	1.3	1.3	0.64	1	1.1	1.3	0.93
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	NR	300	Hydrock Derived	0.7	0.9	1.9	0.9	2	1	3.5	0.6	1.4	0.4
Cadmium	mg/kg	0.2	78	0.20	1.20	0.21	0.20	0.11	0	NR	22	C4SL - CL:AIRE 2014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	NR	890	Hydrock Derived	29	32	37	45	47	23	36	34	46	34
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	NR	21	C4SL - CL:AIRE 2014	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Chromium (Total)	mg/kg	1	78	25.00	70.00	42.28	41.00	9.55			-		30	33	38	46	48	25	37	35	47	35
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	NR	2500	Hydrock Derived	14	13	16	15	16	11	21	18	21	16
Lead	mg/kg	1	78	14.00	160.00	30.96	27.50	18.53	0	NR	200	C4SL - CL:AIRE 2014	21	25	22	31	22	23	33	26	29	23
Mercury, inorganic	mg/kg	0.3	78	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	NR	130	Hydrock Derived	27	19	23	29	34	15	24	34	34	21
Selenium	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	1	78	41.00	250.00	72.46	68.00	27.93	0	NR	410	Hydrock Derived	51	52	51	83	94	41	55	56	84	52
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	NR	3900	Hydrock Derived	65	59	72	86	94	48	91	89	120	64
Cyanide (free)	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	78	1.00	1.30	1.00	1.00	0.03	0	24237	120	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	mg/kg	0.05	78	0.05	0.66	0.06	0.05	0.07	0	57	230	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	78	0.05	2.50	0.08	0.05	0.28	0	86	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	mg/kg	0.05	78	0.05	1.70	0.08	0.05	0.21	0	1.17	2400	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	78	0.05	2.30	0.12	0.05	0.33	0	1.71	8.9	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	mg/kg	0.05	78	0.05	1.80	0.10	0.05	0.23	0	0.91	5	C4SL - CL:AIRE 2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	mg/kg	0.05	78	0.05	2.00	0.10	0.05	0.26	0	1.22	2.6	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	0.05	78	0.05	1.60	0.09	0.05	0.20	0	0.02	320	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0.05	78	0.05	1.50	0.08	0.05	0.18	0	0.69	78	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	mg/kg	0.05	78	0.05	1.70	0.10	0.05	0.24	0	0.44	15	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(ah)anthracene	mg/kg	0.05	78	0.05	0.38	0.05	0.05	0.04	1	0.004	0.25	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	78	0.05	4.80	0.18	0.05	0.65	0	19	290	Hydrock Derived	<0.05	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	mg/kg	0.05	78	0.05	2.00	0.08	0.05	0.22	0	31	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	78	0.05	1.20	0.08	0.05	0.14	0	0.06	28	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	mg/kg	0.05	78	0.05	1.60	0.08	0.05	0.19	0	76	13	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	mg/kg	0.05	78	0.05	7.40	0.21	0.05	0.88	0	36	98	Hydrock Derived	<0.05	<0.05	0.36	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	mg/kg	0.05	78	0.05	4.50	0.18	0.05	0.61	0	2.2	620	Hydrock Derived	<0.05	<0.05	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	31/08/22	26/08/22	08/09/22	02/09/22	31/08/22	06/09/22	01/09/22	05/09/22	02/09/22	01/09/22
													S	S	S	S	S	S	S	S	S	S
													WS231	WS232	WS234	WS237	WS238	WS239	WS241	WS242	WS243	WS244
													0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-											
TPH fractions																						
TPH ali EC05-EC06	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
TPH ali >EC06-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
TPH ali >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
TPH ali >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<1	N/A	N/A
TPH ali >EC12-EC16	mg/kg	2	14	2.00	2.50	2.04	2.00	0.13	0	24	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<2	N/A	N/A
TPH ali >EC16-EC21	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC21-EC35	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-											
TPH ali >EC16-EC35	mg/kg	10	14	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<10	N/A	N/A
TPH ali >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<8.4	N/A	N/A
TPH ali >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH ali >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro EC05-EC07	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
TPH aro >EC07-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
TPH aro >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
TPH aro >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<1	N/A	N/A
TPH aro >EC12-EC16	mg/kg	2	14	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<2	N/A	N/A
TPH aro >EC16-EC21	mg/kg	10	14	10.00	18.00	10.57	10.00	2.14	0	54	260	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<10	N/A	N/A
TPH aro >EC21-EC35	mg/kg	10	14	10.00	44.00	12.43	10.00	9.09	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<10	N/A	N/A
TPH aro >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<8.4	N/A	N/A
TPH aro >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
TPH aro >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
Total TPH >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-											
VOCs - BTEX & MTBE																						
Benzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
Toluene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
Ethylbenzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	518	47	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
Xylene, o-	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	478	61	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
Xylene, p- (use this for combined m & p)	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	576	57	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
MTBE	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	20358	62	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																			
																				2.381E-05		
																				0.00001		
																				3.704E-05		
Considered additive													A							0.0076923		
													A							0.0018182		
													A							0.0001538		
													A							0.0001292		

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 3.31

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	31/08/22	26/08/22	08/09/22	02/09/22	31/08/22	06/09/22	01/09/22	05/09/22	02/09/22	01/09/22
													S	S	S	S	S	S	S	S	S	S
													WS231	WS232	WS234	WS237	WS238	WS239	WS241	WS242	WS243	WS244
													0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2
													TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
																				1.37E-05		
																				7.692E-06		
																				2.857E-05		
												Considered additive	A							0.0133333		
													A							0.0142857		
													A							0.0384615		
												Considered additive	A							0.0090909		
													A							0.0076364		
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.												Hazard I								0.009548		
												Hazard In								0.027648		
												Hazard Ind								0.047552		

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 3.31

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	02/09/22 S WS245 0.2 TS	02/09/22 S WS246 0.2 TS	01/09/22 S WS247 0.2 TS	06/09/22 S WS248 0.1 TS	06/09/22 S WS249 0.1 TS	01/09/22 S WS250 0.2 TS	01/09/22 S WS251 0.2 TS	06/09/22 S WS252 0.1 TS	02/02/2023 S TP317 0.1 TS	02/02/2023 S TP303 0.1 TS
Asbestos																						
Asbestos Identified	Y/N	Y/N	74	-	-	-	-	No. of detects:	0	-	-	-	N	N	N	N	N	N	N	N		
Hydrock Default Suite - FOC / SOM / pH										-												
FOC (dimensionless)	[]	0.001	78	0.003	0.050	0.019	0.018	0.01		-	-	-	0.014	0.011	0.018	0.026	0.015	0.019	0.016	0.025	0.033	0.015
SOM (calculated)	%	0.1724	78	0.57	8.62	3.31	3.10	1.50		-	-	-	2.4136	1.8964	3.1032	4.4824	2.586	3.2756	2.7584	4.31	5.6892	2.586
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	-	7.9	7.6	7.7	6.8	6.9	7.7	8.1	7.9	7.8	8
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	29	NR	37	C4SL - CL:AIRE 2014	18	23	30	14	18	17	16	24	15	35
Beryllium	mg/kg	0.06	78	0.64	1.90	1.18	1.15	0.27	3	NR	1.7	Hydrock Derived	1.1	1.2	1.2	0.86	0.81	0.99	1.3	1.2	0.93	1.1
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	NR	300	Hydrock Derived	1.4	1.6	0.8	0.5	0.5	1.7	1	1.8	0.4	0.8
Cadmium	mg/kg	0.2	78	0.20	1.20	0.21	0.20	0.11	0	NR	22	C4SL - CL:AIRE 2014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	NR	890	Hydrock Derived	37	44	44	33	32	38	45	44	32	40
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	NR	21	C4SL - CL:AIRE 2014	<1.8	<1.8	<1.8	<1.8	<1.8	1.9	<1.8	<1.8	<1.8	<1.8
Chromium (Total)	mg/kg	1	78	25.00	70.00	42.28	41.00	9.55			-		37	44	44	34	32	40	45	45	33	41
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	NR	2500	Hydrock Derived	11	17	9.5	13	8.9	11	11	14	13	19
Lead	mg/kg	1	78	14.00	160.00	30.96	27.50	18.53	0	NR	200	C4SL - CL:AIRE 2014	19	20	22	55	15	22	20	23	22	160
Mercury, inorganic	mg/kg	0.3	78	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	NR	130	Hydrock Derived	24	27	24	17	16	21	25	26	17	28
Selenium	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	1	78	41.00	250.00	72.46	68.00	27.93	0	NR	410	Hydrock Derived	55	64	74	49	51	57	64	68	49	70
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	NR	3900	Hydrock Derived	71	97	77	52	40	66	64	76	58	65
Cyanide (free)	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	78	1.00	1.30	1.00	1.00	0.03	0	24237	120	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	mg/kg	0.05	78	0.05	0.66	0.06	0.05	0.07	0	57	230	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	78	0.05	2.50	0.08	0.05	0.28	0	86	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	mg/kg	0.05	78	0.05	1.70	0.08	0.05	0.21	0	1.17	2400	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	78	0.05	2.30	0.12	0.05	0.33	0	1.71	8.9	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	mg/kg	0.05	78	0.05	1.80	0.10	0.05	0.23	0	0.91	5	C4SL - CL:AIRE 2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	mg/kg	0.05	78	0.05	2.00	0.10	0.05	0.26	0	1.22	2.6	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	0.05	78	0.05	1.60	0.09	0.05	0.20	0	0.02	320	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0.05	78	0.05	1.50	0.08	0.05	0.18	0	0.69	78	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	mg/kg	0.05	78	0.05	1.70	0.10	0.05	0.24	0	0.44	15	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(ah)anthracene	mg/kg	0.05	78	0.05	0.38	0.05	0.05	0.04	1	0.004	0.25	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	78	0.05	4.80	0.18	0.05	0.65	0	19	290	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	mg/kg	0.05	78	0.05	2.00	0.08	0.05	0.22	0	31	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	78	0.05	1.20	0.08	0.05	0.14	0	0.06	28	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	mg/kg	0.05	78	0.05	1.60	0.08	0.05	0.19	0	76	13	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	mg/kg	0.05	78	0.05	7.40	0.21	0.05	0.88	0	36	98	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	mg/kg	0.05	78	0.05	4.50	0.18	0.05	0.61	0	2.2	620	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone: S
Strata: TS
Depth Min (m bgl): 0.1
Depth Max (m bgl): 3.8

Dataset mean SOM%: 3.31
Scenario SOM%: 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	02/09/22 S WS245 0.2 TS	02/09/22 S WS246 0.2 TS	01/09/22 S WS247 0.2 TS	06/09/22 S WS248 0.1 TS	06/09/22 S WS249 0.1 TS	01/09/22 S WS250 0.2 TS	01/09/22 S WS251 0.2 TS	06/09/22 S WS252 0.1 TS	02/02/2023 S TP317 0.1 TS	02/02/2023 S TP303 0.1 TS
PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-										<0.8	<0.8
TPH fractions																						
TPH ali EC05-EC06	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	<0.001
TPH ali >EC06-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	<0.001
TPH ali >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	<0.001
TPH ali >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<1	<1
TPH ali >EC12-EC16	mg/kg	2	14	2.00	2.50	2.04	2.00	0.13	0	24	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<2	<2
TPH ali >EC16-EC21	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-										<8	<8
TPH ali >EC21-EC35	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-										<8	<8
TPH ali >EC16-EC35	mg/kg	10	14	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<10	<10
TPH ali >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<8.4	<8.4
TPH ali >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-										<10	<10
TPH ali >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-										<10	<10
TPH aro EC05-EC07	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	<0.001
TPH aro >EC07-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	<0.001
TPH aro >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.001	<0.001
TPH aro >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<1	<1
TPH aro >EC12-EC16	mg/kg	2	14	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<2	<2
TPH aro >EC16-EC21	mg/kg	10	14	10.00	18.00	10.57	10.00	2.14	0	54	260	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<10	<10
TPH aro >EC21-EC35	mg/kg	10	14	10.00	44.00	12.43	10.00	9.09	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<10	<10
TPH aro >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<8.4	<8.4
TPH aro >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-										<10	<10
TPH aro >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-										<10	<10
Total TPH >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-										<10	<10
VOCs - BTEX & MTBE																						
Benzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.005	<0.005
Toluene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.005	<0.005
Ethylbenzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	518	47	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.005	<0.005
Xylene, o-	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	478	61	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.005	<0.005
Xylene, p- (use this for combined m & p)	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	576	57	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.005	<0.005
MTBE	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	20358	62	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.005	<0.005
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																			
																					2.381E-05	2.381E-05
																					0.00001	0.00001
																					3.704E-05	3.704E-05
																					0.0076923	0.0076923
																					0.0018182	0.0018182
																					0.0001538	0.0001538
																					0.0001292	0.0001292

Considered additive

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	3.31
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source		02/09/22	02/09/22	01/09/22	06/09/22	06/09/22	01/09/22	01/09/22	06/09/22	02/02/2023	02/02/2023
														S	S	S	S	S	S	S	S	S	S
														WS245	WS246	WS247	WS248	WS249	WS250	WS251	WS252	TP317	TP303
														0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1
														TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
																						1.37E-05	1.37E-05
																						7.692E-06	7.692E-06
																						2.857E-05	2.857E-05
													Considered additive	A								0.0133333	0.0133333
														A								0.0142857	0.0142857
														A								0.0384615	0.0384615
													Considered additive	A								0.0090909	0.0090909
														A								0.0076364	0.0076364
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.														**Hazard I**								**0.009548**	**0.009548**
														Hazard In								**0.027648**	**0.027648**
														Hazard Ind								**0.047552**	**0.047552**

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 3.31

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	06/02/2023 S TP309 0.1 TS	06/02/2023 S TP312 0.1 TS
Asbestos														
Asbestos Identified	Y/N	Y/N	74	-	-	-	-	No. of detects:	0	-	-	-		
Hydrock Default Suite - FOC / SOM / pH										-				
FOC (dimensionless)	[]	0.001	78	0.003	0.050	0.019	0.018	0.01		-	-	-	0.031	0.026
SOM (calculated)	%	0.1724	78	0.57	8.62	3.31	3.10	1.50		-	-	-	5.3444	4.4824
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	-	7	7.6
Hydrock Default Suite - Metals & PAH														
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	29	NR	37	C4SL - CL:AIRE 2014	21	17
Beryllium	mg/kg	0.06	78	0.64	1.90	1.18	1.15	0.27	3	NR	1.7	Hydrock Derived	0.95	1
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	NR	300	Hydrock Derived	1	1.6
Cadmium	mg/kg	0.2	78	0.20	1.20	0.21	0.20	0.11	0	NR	22	C4SL - CL:AIRE 2014	<0.2	<0.2
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	NR	890	Hydrock Derived	34	34
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	NR	21	C4SL - CL:AIRE 2014	<1.8	<1.8
Chromium (Total)	mg/kg	1	78	25.00	70.00	42.28	41.00	9.55			-		34	35
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	NR	2500	Hydrock Derived	15	14
Lead	mg/kg	1	78	14.00	160.00	30.96	27.50	18.53	0	NR	200	C4SL - CL:AIRE 2014	21	22
Mercury, inorganic	mg/kg	0.3	78	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived	<0.3	<0.3
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	NR	130	Hydrock Derived	19	19
Selenium	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1
Vanadium	mg/kg	1	78	41.00	250.00	72.46	68.00	27.93	0	NR	410	Hydrock Derived	51	53
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	NR	3900	Hydrock Derived	55	57
Cyanide (free)	mg/kg	1	78	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1
Total Phenols (Monohydric)	mg/kg	1	78	1.00	1.30	1.00	1.00	0.03	0	24237	120	Hydrock Derived	<1	<1
Acenaphthene	mg/kg	0.05	78	0.05	0.66	0.06	0.05	0.07	0	57	230	Hydrock Derived	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	78	0.05	2.50	0.08	0.05	0.28	0	86	180	Hydrock Derived	<0.05	<0.05
Anthracene	mg/kg	0.05	78	0.05	1.70	0.08	0.05	0.21	0	1.17	2400	Hydrock Derived	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	78	0.05	2.30	0.12	0.05	0.33	0	1.71	8.9	Hydrock Derived	<0.05	<0.05
Benzo(a)pyrene	mg/kg	0.05	78	0.05	1.80	0.10	0.05	0.23	0	0.91	5	C4SL - CL:AIRE 2014	<0.05	<0.05
Benzo(b)fluoranthene	mg/kg	0.05	78	0.05	2.00	0.10	0.05	0.26	0	1.22	2.6	Hydrock Derived	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	0.05	78	0.05	1.60	0.09	0.05	0.20	0	0.02	320	Hydrock Derived	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0.05	78	0.05	1.50	0.08	0.05	0.18	0	0.69	78	Hydrock Derived	<0.05	<0.05
Chrysene	mg/kg	0.05	78	0.05	1.70	0.10	0.05	0.24	0	0.44	15	Hydrock Derived	<0.05	<0.05
Dibenz(ah)anthracene	mg/kg	0.05	78	0.05	0.38	0.05	0.05	0.04	1	0.004	0.25	Hydrock Derived	<0.05	<0.05
Fluoranthene	mg/kg	0.05	78	0.05	4.80	0.18	0.05	0.65	0	19	290	Hydrock Derived	<0.05	<0.05
Fluorene	mg/kg	0.05	78	0.05	2.00	0.08	0.05	0.22	0	31	180	Hydrock Derived	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	78	0.05	1.20	0.08	0.05	0.14	0	0.06	28	Hydrock Derived	<0.05	<0.05
Naphthalene	mg/kg	0.05	78	0.05	1.60	0.08	0.05	0.19	0	76	13	Hydrock Derived	<0.05	<0.05
Phenanthrene	mg/kg	0.05	78	0.05	7.40	0.21	0.05	0.88	0	36	98	Hydrock Derived	<0.05	<0.05
Pyrene	mg/kg	0.05	78	0.05	4.50	0.18	0.05	0.61	0	2.2	620	Hydrock Derived	<0.05	<0.05

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 3.31

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	06/02/2023 S TP309 0.1 TS	06/02/2023 S TP312 0.1 TS
PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-		<0.8	<0.8
TPH fractions														
TPH ali EC05-EC06	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived	<0.001	<0.001
TPH ali >EC06-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived	<0.001	<0.001
TPH ali >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived	<0.001	<0.001
TPH ali >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived	<1	<1
TPH ali >EC12-EC16	mg/kg	2	14	2.00	2.50	2.04	2.00	0.13	0	24	1100	Hydrock Derived	<2	<2
TPH ali >EC16-EC21	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-		<8	<8
TPH ali >EC21-EC35	mg/kg	8	4	8.00	8.00	8.00	8.00	0.00			-		<8	<8
TPH ali >EC16-EC35	mg/kg	10	14	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived	<10	<10
TPH ali >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived	<8.4	<8.4
TPH ali >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-		<10	<10
TPH ali >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-		<10	<10
TPH aro EC05-EC07	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived	<0.001	<0.001
TPH aro >EC07-EC08	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	<0.001	<0.001
TPH aro >EC08-EC10	mg/kg	0.001	14	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived	<0.001	<0.001
TPH aro >EC10-EC12	mg/kg	1	14	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived	<1	<1
TPH aro >EC12-EC16	mg/kg	2	14	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived	<2	<2
TPH aro >EC16-EC21	mg/kg	10	14	10.00	18.00	10.57	10.00	2.14	0	54	260	Hydrock Derived	<10	<10
TPH aro >EC21-EC35	mg/kg	10	14	10.00	44.00	12.43	10.00	9.09	0	5	1100	Hydrock Derived	<10	<10
TPH aro >EC35-EC44	mg/kg	8.4	14	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived	<8.4	<8.4
TPH aro >EC5-EC35	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-		<10	<10
TPH aro >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-		<10	<10
Total TPH >EC5-EC44	mg/kg	10	4	10.00	10.00	10.00	10.00	0.00			-		<10	<10
VOCs - BTEX & MTBE														
Benzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014	<0.005	<0.005
Toluene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	869	130	Hydrock Derived	<0.005	<0.005
Ethylbenzene	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	518	47	Hydrock Derived	<0.005	<0.005
Xylene, o-	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	478	61	Hydrock Derived	<0.005	<0.005
Xylene, p- (use this for combined m & p)	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	576	57	Hydrock Derived	<0.005	<0.005
MTBE	mg/kg	0.001	14	0.00	0.01	0.00	0.00	0.00	0	20358	62	Hydrock Derived	<0.005	<0.005
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**											
													2.381E-05	2.381E-05
													0.00001	0.00001
													3.704E-05	3.704E-05
													0.0076923	0.0076923
													0.0018182	0.0018182
													0.0001538	0.0001538
													0.0001292	0.0001292

Considered additive

Assessment of Chemicals of Potential Concern to Human Health

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 3.31

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	06/02/2023 S TP309 0.1 TS	06/02/2023 S TP312 0.1 TS
													1.37E-05	1.37E-05
													7.692E-06	7.692E-06
													2.857E-05	2.857E-05
												Considered additive	A 0.0133333	0.0133333
													A 0.0142857	0.0142857
													A 0.0384615	0.0384615
												Considered additive	A 0.0090909	0.0090909
													A 0.0076364	0.0076364
													Hazard I	0.009548	0.009548
													Hazard In	0.027648	0.027648
													Hazard Ind	0.047552	0.047552

Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	MG
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	2.74
Scenario SOM%	1

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Strata	25/08/22	25/08/22	25/08/22	25/08/22	05/09/22	05/09/22
														Date						
														Zone	S	S	S	S	S	S
														Location	HP207	HP208	HP209	HP210	WS235	WS236
														Depth (m bgl)	0.7	0.3	0.3	0.2	0.2	0.2
-	**Asbestos**																			
P1020	Asbestos Identified	Y/N	Y/N	6	-	-	-	-	No. of detects:	0	-	-	-		N	N	N	N	N	N
-	**Hydrock Default Suite - FOC / SOM / pH**										-									
P1085	FOC (dimensionless)	[]	0.001	6	0.002	0.042	0.016	0.012	0.01		-	-	-		0.0021	0.013	0.0053	0.022	0.011	0.042
-	SOM (calculated)	%	0.1724	6	0.36	7.24	2.74	2.07	2.50		-	-	-		0.36	2.24	0.91	3.79	1.90	7.24
P1334	pH (su)	pH Units	0	6	7.80	8.50	8.13	8.15	0.26		-	-	-		8.2	8.3	8.5	7.9	7.8	8.1
-	**Hydrock Default Suite - Metals & PAH**																			
7440-38-2	Arsenic	mg/kg	1	6	25.00	73.00	43.50	40.00	16.78	3	NR	37	C4SL - CL:AIRE 2014		73	34	49	35	45	25
7440-41-7	Beryllium	mg/kg	0.06	6	0.47	1.60	1.12	1.09	0.41	0	NR	1.7	Hydrock Derived		1.6	0.96	1.5	0.98	1.2	0.47
7440-42-8	Boron	mg/kg	0.2	6	0.30	1.10	0.75	0.85	0.33	0	NR	300	Hydrock Derived		0.4	1.1	0.9	0.8	1	0.3
7440-43-9	Cadmium	mg/kg	0.2	6	0.20	0.20	0.20	0.20	0.00	0	NR	22	C4SL - CL:AIRE 2014		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
16065-83-1	Chromium (III)	mg/kg	1	6	18.00	58.00	39.67	40.50	14.92	0	NR	890	Hydrock Derived		58	29	52	36	45	18
18540-29-9	Chromium (VI)	mg/kg	1.2	6	1.80	1.80	1.80	1.80	0.00	0	NR	21	C4SL - CL:AIRE 2014		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
7440-47-3	Chromium (Total)	mg/kg	1	6	18.00	59.00	40.17	41.00	15.11			-			59	30	52	36	46	18
7440-50-8	Copper	mg/kg	1	6	7.50	29.00	15.42	14.00	7.14	0	NR	2500	Hydrock Derived		7.5	14	14	14	14	29
7439-92-1	Lead	mg/kg	1	6	13.00	40.00	23.00	17.50	11.14	0	NR	200	C4SL - CL:AIRE 2014		17	40	16	34	18	13
7439-97-6	Mercury, inorganic	mg/kg	0.3	6	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
7440-02-0	Nickel	mg/kg	1	6	14.00	37.00	26.67	26.00	8.89	0	NR	130	Hydrock Derived		36	21	37	24	28	14
7782-49-2	Selenium	mg/kg	1	6	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived		<1	<1	<1	<1	<1	<1
7440-62-2	Vanadium	mg/kg	1	6	56.00	120.00	79.00	70.50	25.67	0	NR	410	Hydrock Derived		120	56	98	61	80	59
7440-66-6	Zinc	mg/kg	1	6	67.00	100.00	90.67	94.50	12.27	0	NR	3900	Hydrock Derived		89	93	99	100	96	67
P1095	Cyanide (free)	mg/kg	1	6	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020		<1	<1	<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	6	1.00	1.00	1.00	1.00	0.00	0	24237	120	Hydrock Derived		<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	mg/kg	0.05	6	0.05	0.05	0.05	0.05	0.00	0	57	230	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
208-96-8	Acenaphthylene	mg/kg	0.05	6	0.05	0.05	0.05	0.05	0.00	0	86	180	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
120-12-7	Anthracene	mg/kg	0.05	6	0.05	0.05	0.05	0.05	0.00	0	1.17	2400	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
56-55-3	Benz(a)anthracene	mg/kg	0.05	6	0.05	0.24	0.11	0.05	0.09	0	1.71	8.9	Hydrock Derived		<0.05	<0.05	<0.05	0.21	<0.05	0.24
50-32-8	Benzo(a)pyrene	mg/kg	0.05	6	0.05	0.41	0.15	0.05	0.16	0	0.91	5	C4SL - CL:AIRE 2014		<0.05	<0.05	<0.05	0.29	<0.05	0.41
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	6	0.05	0.52	0.19	0.05	0.21	0	1.22	2.6	Hydrock Derived		<0.05	<0.05	<0.05	0.39	<0.05	0.52
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	6	0.05	0.49	0.16	0.05	0.19	0	0.02	320	Hydrock Derived		<0.05	<0.05	<0.05	0.29	<0.05	0.49
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	6	0.05	0.21	0.10	0.05	0.08	0	0.69	78	Hydrock Derived		<0.05	<0.05	<0.05	0.18	<0.05	0.21
218-01-9	Chrysene	mg/kg	0.05	6	0.05	0.42	0.13	0.05	0.15	0	0.44	15	Hydrock Derived		<0.05	<0.05	<0.05	0.18	<0.05	0.42
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	6	0.05	0.05	0.05	0.05	0.00	0	0.004	0.25	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
206-44-0	Fluoranthene	mg/kg	0.05	6	0.05	0.35	0.15	0.05	0.15	0	19	290	Hydrock Derived		<0.05	<0.05	<0.05	0.35	<0.05	0.34
86-73-7	Fluorene	mg/kg	0.05	6	0.05	0.05	0.05	0.05	0.00	0	31	180	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	6	0.05	0.32	0.13	0.05	0.12	0	0.06	28	Hydrock Derived		<0.05	<0.05	<0.05	0.24	<0.05	0.32
91-20-3	Naphthalene	mg/kg	0.05	6	0.05	0.05	0.05	0.05	0.00	0	76	13	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
85-01-8	Phenanthrene	mg/kg	0.05	6	0.05	0.22	0.08	0.05	0.07	0	36	98	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	0.22
129-00-0	Pyrene	mg/kg	0.05	6	0.05	0.42	0.17	0.05	0.18	0	2.2	620	Hydrock Derived		<0.05	<0.05	<0.05	0.42	<0.05	0.39

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	MG
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	2.74
Scenario SOM%	1

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Strata	25/08/22	25/08/22	25/08/22	25/08/22	05/09/22	05/09/22
														Date	25/08/22	25/08/22	25/08/22	25/08/22	05/09/22	05/09/22
														Zone	S	S	S	S	S	S
														Location	HP207	HP208	HP209	HP210	WS235	WS236
														Depth (m bgl)	0.7	0.3	0.3	0.2	0.2	0.2
-	**TPH fractions**																			
P1407	TPH ali EC05-EC06	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
P1408	TPH ali >EC06-EC08	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
P1409	TPH ali >EC08-EC10	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
P1410	TPH ali >EC10-EC12	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived		N/A	<1	<1	<1	N/A	<1
P1411	TPH ali >EC12-EC16	mg/kg	2	4	2.00	12.00	4.50	2.00	5.00	0	24	1100	Hydrock Derived		N/A	<2	<2	<2	N/A	12
P1938	TPH ali >EC16-EC35	mg/kg	10	4	10.00	270.00	75.00	10.00	130.00	0	8	65000	Hydrock Derived		N/A	<10	<10	<10	N/A	270
P1415	TPH ali >EC35-EC44	mg/kg	8.4	4	8.40	470.00	123.80	8.40	230.80	0	8	65000	Hydrock Derived		N/A	<8.4	<8.4	<8.4	N/A	470
P1441	TPH aro EC05-EC07	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
P1355	TPH aro >EC07-EC08	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
P1356	TPH aro >EC08-EC10	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
P1357	TPH aro >EC10-EC12	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived		N/A	<1	<1	<1	N/A	<1
P1358	TPH aro >EC12-EC16	mg/kg	2	4	2.00	9.70	3.93	2.00	3.85	0	169	140	Hydrock Derived		N/A	<2	<2	<2	N/A	9.7
P1359	TPH aro >EC16-EC21	mg/kg	10	4	10.00	13.00	10.75	10.00	1.50	0	54	260	Hydrock Derived		N/A	<10	<10	<10	N/A	13
P1360	TPH aro >EC21-EC35	mg/kg	10	4	10.00	440.00	117.50	10.00	215.00	0	5	1100	Hydrock Derived		N/A	<10	<10	<10	N/A	440
P1362	TPH aro >EC35-EC44	mg/kg	8.4	4	8.40	990.00	253.80	8.40	490.80	0	5	1100	Hydrock Derived		N/A	<8.4	<8.4	<8.4	N/A	990
-	**VOCs - BTEX & MTBE**																			
71-43-2	Benzene	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014		N/A	<0.001	<0.001	<0.001	N/A	<0.001
108-88-3	Toluene	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
100-41-4	Ethylbenzene	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.00	0	518	47	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
95-47-6	Xylene, o-	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.00	0	478	61	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
1330-20-7	Xylene, p- (use this for combined m & p)	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.00	0	576	57	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
1634-04-4	MTBE	mg/kg	0.001	4	0.00	0.00	0.00	0.00	0.00	0	20358	62	Hydrock Derived		N/A	<0.001	<0.001	<0.001	N/A	<0.001
	TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																
														Aliphatics >EC5-EC6		2.381E-05	2.381E-05	2.381E-05		2.381E-05
														Aliphatics >EC6-EC8		0.00001	0.00001	0.00001		0.00001
													Considered additive	Aliphatics >EC8-EC10		3.704E-05	3.704E-05	3.704E-05		3.704E-05
													Considered additive	Aliphatics >EC10-EC12		0.0076923	0.0076923	0.0076923		0.0076923
													Considered additive	Aliphatics >EC12-EC16		0.0018182	0.0018182	0.0018182		0.0109091
														Aliphatics >EC16-EC35		0.0001538	0.0001538	0.0001538		0.0041538
														Aliphatics >EC35-EC44		0.0001292	0.0001292	0.0001292		0.0072308
														Aromatics EC5-EC7		1.37E-05	1.37E-05	1.37E-05		1.37E-05
														Aromatics >EC7-EC8		7.692E-06	7.692E-06	7.692E-06		7.692E-06
													Considered additive	Aromatics >EC8-EC10		2.857E-05	2.857E-05	2.857E-05		2.857E-05
													Considered additive	Aromatics >EC10-EC12		0.0133333	0.0133333	0.0133333		0.0133333
													Considered additive	Aromatics >EC12-EC16		0.0142857	0.0142857	0.0142857		0.0692857
														Aromatics >EC16-EC21		0.0384615	0.0384615	0.0384615		0.05
													Considered additive	Aromatics >EC21-EC35		0.0090909	0.0090909	0.0090909		0.4
														Aromatics >EC35-EC44		0.0076364	0.0076364	0.0076364		0.9

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	MG
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	2.74
Scenario SOM%	1

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Date	25/08/22	25/08/22	25/08/22	25/08/22	05/09/22	05/09/22
														Zone	S	S	S	S	S	S
														Location	HP207	HP208	HP209	HP210	WS235	WS236
														Depth (m bgl)	0.7	0.3	0.3	0.2	0.2	0.2
														Strata	MG	MG	MG	MG	MG	MG
	Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													Hazard Index for all>C8-C16		0.009548	0.009548	0.009548		0.018638
														Hazard Index for aro>C8-C16		0.027648	0.027648	0.027648		0.082648
														Hazard Index for aro>C16-C35		0.047552	0.047552	0.047552		0.45

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.17
Scenario SOM%	1

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Strata	02/09/22	01/09/22	25/08/22	09/09/22	08/09/22	08/09/22	08/09/22
														Date	02/09/22	01/09/22	25/08/22	09/09/22	08/09/22	08/09/22	08/09/22
														Zone	S	S	S	S	S	S	S
														Location	BH203	BH205	HP208	TP201	TP214	TP217	TP224
														Depth (m bgl)	0.5	0.4	0.8	0.7	0.5	0.4	0.5
-	**Asbestos**																				
P1020	Asbestos Identified	Y/N	Y/N	21	-	-	-	-	No. of detects:	0	-	-	-		N	N	N	N	N	N	N
-	**Hydrock Default Suite - FOC / SOM / pH**										-										
P1085	FOC (dimensionless)	[]	0.001	25	0.001	0.029	0.007	0.006	0.01		-	-	-		0.0078	0.0019	0.029	0.0027	0.0018	0.0037	0.0087
-	SOM (calculated)	%	0.1724	25	0.17	5.00	1.17	0.98	1.02		-	-	-		1.34472	0.32756	4.9996	0.46548	0.31032	0.63788	1.49988
P1334	pH (su)	pH Units	0	25	7.50	8.50	8.02	8.00	0.25		-	-	-		7.5	8.5	7.8	8.4	7.9	8.3	7.9
-	**Hydrock Default Suite - Metals & PAH**																				
7440-38-2	Arsenic	mg/kg	1	25	16.00	93.00	48.28	48.00	20.54	16	NR	37	C4SL - CL:AIRE 2014		31	49	27	83	64	78	29
7440-41-7	Beryllium	mg/kg	0.06	25	0.81	2.50	1.43	1.40	0.40	5	NR	1.7	Hydrock Derived		1.1	1.4	0.81	1.8	1.7	1.5	1.1
7440-42-8	Boron	mg/kg	0.2	25	0.20	2.00	0.66	0.50	0.53	0	NR	300	Hydrock Derived		1.1	0.6	0.7	0.2	0.3	0.2	0.8
7440-43-9	Cadmium	mg/kg	0.2	25	0.20	0.20	0.20	0.20	0.00	0	NR	22	C4SL - CL:AIRE 2014		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
16065-83-1	Chromium (III)	mg/kg	1	25	20.00	100.00	50.32	49.00	15.14	0	NR	890	Hydrock Derived		38	49	20	66	64	55	45
18540-29-9	Chromium (VI)	mg/kg	1.2	25	1.80	5.50	1.95	1.80	0.74	0	NR	21	C4SL - CL:AIRE 2014		<1.8	<1.8	5.5	<1.8	<1.8	<1.8	<1.8
7440-47-3	Chromium (Total)	mg/kg	1	25	26.00	100.00	50.96	50.00	14.69			-			38	50	26	66	64	56	45
7440-50-8	Copper	mg/kg	1	25	8.50	25.00	14.92	15.00	4.56	0	NR	2500	Hydrock Derived		10	15	22	17	21	12	16
7439-92-1	Lead	mg/kg	1	25	10.00	65.00	20.48	18.00	10.97	0	NR	200	C4SL - CL:AIRE 2014		18	16	65	18	17	15	19
7439-97-6	Mercury, inorganic	mg/kg	0.3	25	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
7440-02-0	Nickel	mg/kg	1	25	20.00	58.00	36.28	37.00	11.21	0	NR	130	Hydrock Derived		25	42	24	48	41	30	23
7782-49-2	Selenium	mg/kg	1	25	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived		<1	<1	<1	<1	<1	<1	<1
7440-62-2	Vanadium	mg/kg	1	25	46.00	190.00	89.60	85.00	30.35	0	NR	410	Hydrock Derived		71	85	46	130	120	110	69
7440-66-6	Zinc	mg/kg	1	25	41.00	130.00	81.88	83.00	26.25	0	NR	3900	Hydrock Derived		74	73	120	130	94	80	62
P1095	Cyanide (free)	mg/kg	1	25	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020		<1	<1	<1	<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	25	1.00	1.00	1.00	1.00	0.00	0	24237	120	Hydrock Derived		<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	57	230	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
208-96-8	Acenaphthylene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	86	180	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
120-12-7	Anthracene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	1.17	2400	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
56-55-3	Benz(a)anthracene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	1.71	8.9	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
50-32-8	Benzo(a)pyrene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.91	5	C4SL - CL:AIRE 2014		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	1.22	2.6	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.02	320	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.69	78	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
218-01-9	Chrysene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.44	15	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.004	0.25	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
206-44-0	Fluoranthene	mg/kg	0.05	25	0.05	0.27	0.06	0.05	0.04	0	19	290	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
86-73-7	Fluorene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	31	180	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.06	28	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
91-20-3	Naphthalene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	76	13	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
85-01-8	Phenanthrene	mg/kg	0.05	25	0.05	0.49	0.07	0.05	0.09	0	36	98	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
129-00-0	Pyrene	mg/kg	0.05	25	0.05	0.32	0.06	0.05	0.05	0	2.2	620	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.17
Scenario SOM%	1

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Strata	02/09/22	01/09/22	25/08/22	09/09/22	08/09/22	08/09/22	08/09/22
														Date	02/09/22	01/09/22	25/08/22	09/09/22	08/09/22	08/09/22	08/09/22
														Zone	S	S	S	S	S	S	S
														Location	BH203	BH205	HP208	TP201	TP214	TP217	TP224
														Depth (m bgl)	0.5	0.4	0.8	0.7	0.5	0.4	0.5
P1310	PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-									
-	**TPH fractions**																				
P1407	TPH ali EC05-EC06	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
P1408	TPH ali >EC06-EC08	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
P1409	TPH ali >EC08-EC10	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
P1410	TPH ali >EC10-EC12	mg/kg	1	2	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived		N/A	N/A	<1	N/A	N/A	N/A	N/A
P1411	TPH ali >EC12-EC16	mg/kg	2	2	2.00	2.00	2.00	2.00	0.00	0	24	1100	Hydrock Derived		N/A	N/A	<2	N/A	N/A	N/A	N/A
P1938	TPH ali >EC16-EC35	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived		N/A	N/A	<10	N/A	N/A	N/A	N/A
P1415	TPH ali >EC35-EC44	mg/kg	8.4	2	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived		N/A	N/A	<8.4	N/A	N/A	N/A	N/A
P1441	TPH aro EC05-EC07	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
P1355	TPH aro >EC07-EC08	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
P1356	TPH aro >EC08-EC10	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
P1357	TPH aro >EC10-EC12	mg/kg	1	2	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived		N/A	N/A	<1	N/A	N/A	N/A	N/A
P1358	TPH aro >EC12-EC16	mg/kg	2	2	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived		N/A	N/A	<2	N/A	N/A	N/A	N/A
P1359	TPH aro >EC16-EC21	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	54	260	Hydrock Derived		N/A	N/A	<10	N/A	N/A	N/A	N/A
P1360	TPH aro >EC21-EC35	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	5	1100	Hydrock Derived		N/A	N/A	<10	N/A	N/A	N/A	N/A
P1362	TPH aro >EC35-EC44	mg/kg	8.4	2	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived		N/A	N/A	<8.4	N/A	N/A	N/A	N/A
-	**VOCs - BTEX & MTBE**																				
71-43-2	Benzene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
108-88-3	Toluene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
100-41-4	Ethylbenzene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	518	47	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
95-47-6	Xylene, o-	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	478	61	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
1330-20-7	Xylene, p- (use this for combined m & p)	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	576	57	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
1634-04-4	MTBE	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	20358	62	Hydrock Derived		N/A	N/A	<0.001	N/A	N/A	N/A	N/A
	TPH Additivity Check				**HAZARD QUOTIENTS FOR EACH FRACTION**																
														Aliphatics >EC5-EC6			2.381E-05				
														Aliphatics >EC6-EC8			0.00001				
														Aliphatics >EC8-EC10			3.704E-05				
													Considered additive	Aliphatics >EC10-EC12			0.0076923				
														Aliphatics >EC12-EC16			0.0018182				
														Aliphatics >EC16-EC35			0.0001538				
														Aliphatics >EC35-EC44			0.0001292				
														Aromatics EC5-EC7			1.37E-05				
														Aromatics >EC7-EC8			7.692E-06				
														Aromatics >EC8-EC10			2.857E-05				
													Considered additive	Aromatics >EC10-EC12			0.0133333				
														Aromatics >EC12-EC16			0.0142857				
														Aromatics >EC16-EC21			0.0384615				
													Considered additive	Aromatics >EC21-EC35			0.0090909				

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.17
Scenario SOM%	1

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Date	02/09/22	01/09/22	25/08/22	09/09/22	08/09/22	08/09/22	08/09/22
														Zone	S	S	S	S	S	S	S
														Location	BH203	BH205	HP208	TP201	TP214	TP217	TP224
														Depth (m bgl)	0.5	0.4	0.8	0.7	0.5	0.4	0.5
														Strata	NAT	NAT	NAT	NAT	NAT	NAT	NAT
														Aromatics >EC35-EC44			0.0076364				
	Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													Hazard Index for ali>C8-C16			0.009548				
														Hazard Index for aro>C8-C16			0.027648				
														Hazard Index for aro>C16-C35			0.047552				

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.17
Scenario SOM%	1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	30/08/22	23/08/22	22/08/22	25/08/22	22/08/22	30/08/22	24/08/22	31/08/22	23/08/22	08/09/22
													S	S	S	S	S	S	S	S	S	S
													WS202	WS204	WS205	WS208	WS213	WS216	WS218	WS225	WS227	WS233
													1.1	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.5
													NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT
Asbestos																						
Asbestos Identified	Y/N	Y/N	21	-	-	-	-	No. of detects:	0	-	-	-	N	N	N	N	N	N	N	N	N	N
Hydrock Default Suite - FOC / SOM / pH										-												
FOC (dimensionless)	[]	0.001	25	0.001	0.029	0.007	0.006	0.01		-	-	-	0.0027	0.014	0.0095	0.009	0.0057	<0.001	0.0092	0.015	0.0059	0.0044
SOM (calculated)	%	0.1724	25	0.17	5.00	1.17	0.98	1.02		-	-	-	0.46548	2.4136	1.6378	1.5516	0.98268	0.1724	1.58608	2.586	1.01716	0.75856
pH (su)	pH Units	0	25	7.50	8.50	8.02	8.00	0.25		-	-	-	8.2	8.1	8	8.2	7.9	8.2	7.8	7.8	7.8	7.9
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	25	16.00	93.00	48.28	48.00	20.54	16	NR	37	C4SL - CL:AIRE 2014	48	79	34	27	64	93	51	51	37	24
Beryllium	mg/kg	0.06	25	0.81	2.50	1.43	1.40	0.40	5	NR	1.7	Hydrock Derived	1.5	1.6	2	2.1	1.6	2.5	1.2	1.5	1.1	0.93
Boron	mg/kg	0.2	25	0.20	2.00	0.66	0.50	0.53	0	NR	300	Hydrock Derived	0.7	1.7	1.3	0.3	0.7	0.4	0.6	1.8	0.3	<0.2
Cadmium	mg/kg	0.2	25	0.20	0.20	0.20	0.20	0.00	0	NR	22	C4SL - CL:AIRE 2014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	25	20.00	100.00	50.32	49.00	15.14	0	NR	890	Hydrock Derived	48	60	64	55	58	100	43	52	39	38
Chromium (VI)	mg/kg	1.2	25	1.80	5.50	1.95	1.80	0.74	0	NR	21	C4SL - CL:AIRE 2014	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Chromium (Total)	mg/kg	1	25	26.00	100.00	50.96	50.00	14.69			-		49	61	64	56	58	100	44	52	40	38
Copper	mg/kg	1	25	8.50	25.00	14.92	15.00	4.56	0	NR	2500	Hydrock Derived	18	16	19	25	14	20	11	19	11	9.1
Lead	mg/kg	1	25	10.00	65.00	20.48	18.00	10.97	0	NR	200	C4SL - CL:AIRE 2014	21	34	25	21	20	22	23	33	18	10
Mercury, inorganic	mg/kg	0.3	25	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	mg/kg	1	25	20.00	58.00	36.28	37.00	11.21	0	NR	130	Hydrock Derived	49	44	45	52	38	57	29	37	26	23
Selenium	mg/kg	1	25	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	1	25	46.00	190.00	89.60	85.00	30.35	0	NR	410	Hydrock Derived	92	110	100	57	110	190	79	94	72	61
Zinc	mg/kg	1	25	41.00	130.00	81.88	83.00	26.25	0	NR	3900	Hydrock Derived	87	92	120	65	100	130	87	100	68	48
Cyanide (free)	mg/kg	1	25	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	25	1.00	1.00	1.00	1.00	0.00	0	24237	120	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	57	230	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	86	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	1.17	2400	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	1.71	8.9	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.91	5	C4SL - CL:AIRE 2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	1.22	2.6	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.02	320	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.69	78	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.44	15	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(ah)anthracene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.004	0.25	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	25	0.05	0.27	0.06	0.05	0.04	0	19	290	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.27
Fluorene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	31	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.06	28	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	76	13	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	mg/kg	0.05	25	0.05	0.49	0.07	0.05	0.09	0	36	98	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.49
Pyrene	mg/kg	0.05	25	0.05	0.32	0.06	0.05	0.05	0	2.2	620	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.32

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 1.17

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	30/08/22	23/08/22	22/08/22	25/08/22	22/08/22	30/08/22	24/08/22	31/08/22	23/08/22	08/09/22
													S	S	S	S	S	S	S	S	S	S
													WS202	WS204	WS205	WS208	WS213	WS216	WS218	WS225	WS227	WS233
													1.1	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.5
													NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT
PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-											
TPH fractions																						
TPH ali EC05-EC06	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC06-EC08	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC08-EC10	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC10-EC12	mg/kg	1	2	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC12-EC16	mg/kg	2	2	2.00	2.00	2.00	2.00	0.00	0	24	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC16-EC35	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH ali >EC35-EC44	mg/kg	8.4	2	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro EC05-EC07	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC07-EC08	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC08-EC10	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC10-EC12	mg/kg	1	2	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC12-EC16	mg/kg	2	2	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC16-EC21	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	54	260	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC21-EC35	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH aro >EC35-EC44	mg/kg	8.4	2	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VOCs - BTEX & MTBE																						
Benzene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Toluene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethylbenzene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	518	47	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Xylene, o-	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	478	61	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Xylene, p- (use this for combined m & p)	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	576	57	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MTBE	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	20358	62	Hydrock Derived	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																			
												Considered additive	A									
													A									
													A									
												Considered additive	A									
													A									
												Considered additive	A									
													A									

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.17
Scenario SOM%	1

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	30/08/22	23/08/22	22/08/22	25/08/22	22/08/22	30/08/22	24/08/22	31/08/22	23/08/22	08/09/22
													S	S	S	S	S	S	S	S	S	S
													WS202	WS204	WS205	WS208	WS213	WS216	WS218	WS225	WS227	WS233
													1.1	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.5
													NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT
												A										
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.												Hazard I										
												Hazard In										
												Hazard Ind										

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.17
Scenario SOM%	1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	31/08/22	02/09/22	02/09/22	06/09/22	02/02/2023	31/01/2023	06/02/2023	06/02/2023
													S	S	S	S	S	S	S	S
													WS238	WS243	WS245	WS252	TP315	TP304	TP309	TP310
													0.6	0.4	0.5	0.4	0.5	0.8	1	0.4
													NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT
Asbestos																				
Asbestos Identified	Y/N	Y/N	21	-	-	-	-	No. of detects:	0	-	-	-	N	N	N	N				
Hydrock Default Suite - FOC / SOM / pH										-										
FOC (dimensionless)	[]	0.001	25	0.001	0.029	0.007	0.006	0.01		-	-	-	0.0077	0.0057	0.0014	0.0053	0.0039	0.0043	0.0015	0.0073
SOM (calculated)	%	0.1724	25	0.17	5.00	1.17	0.98	1.02		-	-	-	1.32748	0.98268	0.24136	0.91372	0.67236	0.74132	0.2586	1.25852
pH (su)	pH Units	0	25	7.50	8.50	8.02	8.00	0.25		-	-	-	8	7.9	7.9	8.1	8	8.1	8.5	7.7
Hydrock Default Suite - Metals & PAH																				
Arsenic	mg/kg	1	25	16.00	93.00	48.28	48.00	20.54	16	NR	37	C4SL - CL:AIRE 2014	44	58	31	38	32	62	57	16
Beryllium	mg/kg	0.06	25	0.81	2.50	1.43	1.40	0.40	5	NR	1.7	Hydrock Derived	1.1	1.6	1.2	1.2	1.1	1.6	1.4	1
Boron	mg/kg	0.2	25	0.20	2.00	0.66	0.50	0.53	0	NR	300	Hydrock Derived	0.7	2	0.3	0.5	0.3	<0.2	<0.2	0.4
Cadmium	mg/kg	0.2	25	0.20	0.20	0.20	0.20	0.00	0	NR	22	C4SL - CL:AIRE 2014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	25	20.00	100.00	50.32	49.00	15.14	0	NR	890	Hydrock Derived	40	63	42	45	40	49	52	33
Chromium (VI)	mg/kg	1.2	25	1.80	5.50	1.95	1.80	0.74	0	NR	21	C4SL - CL:AIRE 2014	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Chromium (Total)	mg/kg	1	25	26.00	100.00	50.96	50.00	14.69			-		40	64	42	46	40	50	52	33
Copper	mg/kg	1	25	8.50	25.00	14.92	15.00	4.56	0	NR	2500	Hydrock Derived	15	17	11	8.5	9.4	16	9	12
Lead	mg/kg	1	25	10.00	65.00	20.48	18.00	10.97	0	NR	200	C4SL - CL:AIRE 2014	19	18	14	13	12	18	11	12
Mercury, inorganic	mg/kg	0.3	25	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Nickel	mg/kg	1	25	20.00	58.00	36.28	37.00	11.21	0	NR	130	Hydrock Derived	28	39	42	26	31	58	30	20
Selenium	mg/kg	1	25	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	1	25	46.00	190.00	89.60	85.00	30.35	0	NR	410	Hydrock Derived	79	110	71	74	70	89	100	51
Zinc	mg/kg	1	25	41.00	130.00	81.88	83.00	26.25	0	NR	3900	Hydrock Derived	83	98	54	45	41	89	62	45
Cyanide (free)	mg/kg	1	25	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	<1	<1	<1	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	25	1.00	1.00	1.00	1.00	0.00	0	24237	120	Hydrock Derived	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	57	230	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	86	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	1.17	2400	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	1.71	8.9	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.91	5	C4SL - CL:AIRE 2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	1.22	2.6	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.02	320	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.69	78	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.44	15	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(ah)anthracene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.004	0.25	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	25	0.05	0.27	0.06	0.05	0.04	0	19	290	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	31	180	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	0.06	28	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	mg/kg	0.05	25	0.05	0.05	0.05	0.05	0.00	0	76	13	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	mg/kg	0.05	25	0.05	0.49	0.07	0.05	0.09	0	36	98	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	mg/kg	0.05	25	0.05	0.32	0.06	0.05	0.05	0	2.2	620	Hydrock Derived	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 1.17

Scenario SOM% 1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	31/08/22	02/09/22	02/09/22	06/09/22	02/02/2023	31/01/2023	06/02/2023	06/02/2023
													S	S	S	S	S	S	S	S
													WS238	WS243	WS245	WS252	TP315	TP304	TP309	TP310
													0.6	0.4	0.5	0.4	0.5	0.8	1	0.4
													NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT
PAH 16 Total	mg/kg	0.8	4	0.80	0.80	0.80	0.80	0.00			-						<0.8	<0.8	<0.8	<0.8
TPH fractions																				
TPH ali EC05-EC06	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived	N/A	<0.001	N/A	N/A				
TPH ali >EC06-EC08	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived	N/A	<0.001	N/A	N/A				
TPH ali >EC08-EC10	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived	N/A	<0.001	N/A	N/A				
TPH ali >EC10-EC12	mg/kg	1	2	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived	N/A	<1	N/A	N/A				
TPH ali >EC12-EC16	mg/kg	2	2	2.00	2.00	2.00	2.00	0.00	0	24	1100	Hydrock Derived	N/A	<2	N/A	N/A				
TPH ali >EC16-EC35	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived	N/A	<10	N/A	N/A				
TPH ali >EC35-EC44	mg/kg	8.4	2	8.40	8.40	8.40	8.40	0.00	0	8	65000	Hydrock Derived	N/A	<8.4	N/A	N/A				
TPH aro EC05-EC07	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived	N/A	<0.001	N/A	N/A				
TPH aro >EC07-EC08	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	<0.001	N/A	N/A				
TPH aro >EC08-EC10	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived	N/A	<0.001	N/A	N/A				
TPH aro >EC10-EC12	mg/kg	1	2	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived	N/A	<1	N/A	N/A				
TPH aro >EC12-EC16	mg/kg	2	2	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived	N/A	<2	N/A	N/A				
TPH aro >EC16-EC21	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	54	260	Hydrock Derived	N/A	<10	N/A	N/A				
TPH aro >EC21-EC35	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	5	1100	Hydrock Derived	N/A	<10	N/A	N/A				
TPH aro >EC35-EC44	mg/kg	8.4	2	8.40	8.40	8.40	8.40	0.00	0	5	1100	Hydrock Derived	N/A	<8.4	N/A	N/A				
VOCs - BTEX & MTBE																				
Benzene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014	N/A	<0.001	N/A	N/A				
Toluene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived	N/A	<0.001	N/A	N/A				
Ethylbenzene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	518	47	Hydrock Derived	N/A	<0.001	N/A	N/A				
Xylene, o-	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	478	61	Hydrock Derived	N/A	<0.001	N/A	N/A				
Xylene, p- (use this for combined m & p)	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	576	57	Hydrock Derived	N/A	<0.001	N/A	N/A				
MTBE	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	20358	62	Hydrock Derived	N/A	<0.001	N/A	N/A				
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																	
														2.381E-05						
														0.00001						
														3.704E-05						
						Considered additive							A	0.0076923						
													A	0.0018182						
													A	0.0001538						
													A	0.0001292						
														1.37E-05						
														7.692E-06						
														2.857E-05						
						Considered additive							A	0.0133333						
													A	0.0142857						
													A	0.0384615						
						Considered additive							A	0.0090909						

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.17
Scenario SOM%	1

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	31/08/22	02/09/22	02/09/22	06/09/22	02/02/2023	31/01/2023	06/02/2023	06/02/2023
													S	S	S	S	S	S	S	S
													WS238	WS243	WS245	WS252	TP315	TP304	TP309	TP310
													0.6	0.4	0.5	0.4	0.5	0.8	1	0.4
													NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT
												A		0.0076364						
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.												Hazard I		0.009548						
												Hazard In		0.027648						
												Hazard Ind		0.047552						

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.21
Scenario SOM%	1

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Strata				
														Date	20/08/21	18/08/21	18/08/21	19/08/21
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP02	WS02	WS05	WS09
														Depth (m bgl)	3.3	0.8	3.8	3.8
-	**Asbestos**																	
P1020	Asbestos Identified	Y/N	Y/N	4	-	-	-	-	No. of detects:	0	-	-	-		N	N	N	N
-	**Hydrock Default Suite - FOC / SOM / pH**										-							
P1085	FOC (dimensionless)	[]	0.001	4	0.001	0.018	0.007	0.005	0.01		-	-	-		0.0041	0.0049	0.018	0.001
-	SOM (calculated)	%	0.1724	4	0.17	3.10	1.21	0.78	1.30		-	-	-		0.70684	0.84476	3.1032	0.1724
P1334	pH (su)	pH Units	0	4	8.00	8.70	8.30	8.25	0.32		-	-	-		8.7	8.1	8	8.4
-	**Hydrock Default Suite - Metals & PAH**																	
7440-38-2	Arsenic	mg/kg	1	4	25.00	**84.00**	**55.00**	**55.50**	28.88	**2**	NR	37	C4SL - CL:AIRE 2014		84	36	25	75
7440-41-7	Beryllium	mg/kg	0.06	4	0.86	**1.80**	1.39	1.45	0.48	**2**	NR	1.7	Hydrock Derived		1.8	1.1	0.86	1.8
7440-42-8	Boron	mg/kg	0.2	4	0.90	5.70	2.80	2.30	2.04	0	NR	300	Hydrock Derived		2.2	0.9	5.7	2.4
7440-43-9	Cadmium	mg/kg	0.2	4	0.20	0.20	0.20	0.20	0.00	0	NR	22	C4SL - CL:AIRE 2014		<0.2	<0.2	<0.2	<0.2
16065-83-1	Chromium (III)	mg/kg	1	4	21.00	64.00	44.25	46.00	18.84	0	NR	890	Hydrock Derived		54	38	21	64
18540-29-9	Chromium (VI)	mg/kg	1.2	4	1.20	1.20	1.20	1.20	0.00	0	NR	21	C4SL - CL:AIRE 2014		<1.2	<1.2	<1.2	<1.2
7440-47-3	Chromium (Total)	mg/kg	1	4	21.00	64.00	44.25	46.00	18.84			-			54	38	21	64
7440-50-8	Copper	mg/kg	1	4	9.20	22.00	16.05	16.50	6.41	0	NR	2500	Hydrock Derived		22	12	21	9.2
7439-92-1	Lead	mg/kg	1	4	16.00	88.00	36.75	21.50	34.33	0	NR	200	C4SL - CL:AIRE 2014		24	19	88	16
7439-97-6	Mercury, inorganic	mg/kg	0.3	4	0.30	0.30	0.30	0.30	0.00	0	NR	40	Hydrock Derived		<0.3	<0.3	<0.3	<0.3
7440-02-0	Nickel	mg/kg	1	4	22.00	57.00	36.75	34.00	16.03	0	NR	130	Hydrock Derived		57	26	22	42
7782-49-2	Selenium	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived		<1	<1	<1	<1
7440-62-2	Vanadium	mg/kg	1	4	51.00	150.00	98.25	96.00	44.99	0	NR	410	Hydrock Derived		150	72	51	120
7440-66-6	Zinc	mg/kg	1	4	83.00	250.00	133.00	99.50	78.85	0	NR	3900	Hydrock Derived		250	89	83	110
P1095	Cyanide (free)	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020		<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	24237	120	Hydrock Derived		<1	<1	<1	<1
83-32-9	Acenaphthene	mg/kg	0.05	4	0.05	0.05	0.05	0.05	0.00	0	57	230	Hydrock Derived		<0.05	<0.05	<0.05	<0.05
208-96-8	Acenaphthylene	mg/kg	0.05	4	0.05	0.29	0.11	0.05	0.12	0	86	180	Hydrock Derived		<0.05	<0.05	0.29	<0.05
120-12-7	Anthracene	mg/kg	0.05	4	0.05	0.51	0.17	0.05	0.23	0	1.17	2400	Hydrock Derived		<0.05	<0.05	0.51	<0.05
56-55-3	Benz(a)anthracene	mg/kg	0.05	4	0.05	3.10	0.81	0.05	1.53	0	1.71	8.9	Hydrock Derived		<0.05	<0.05	3.1	<0.05
50-32-8	Benzo(a)pyrene	mg/kg	0.05	4	0.05	2.80	0.74	0.05	1.38	0	0.91	5	C4SL - CL:AIRE 2014		<0.05	<0.05	2.8	<0.05
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	4	0.05	**3.70**	0.96	0.05	1.83	**1**	1.22	2.6	Hydrock Derived		<0.05	<0.05	3.7	<0.05
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	4	0.05	2.50	0.66	0.05	1.23	0	0.02	320	Hydrock Derived		<0.05	<0.05	2.5	<0.05
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	4	0.05	1.20	0.34	0.05	0.58	0	0.69	78	Hydrock Derived		<0.05	<0.05	1.2	<0.05
218-01-9	Chrysene	mg/kg	0.05	4	0.05	2.80	0.74	0.05	1.38	0	0.44	15	Hydrock Derived		<0.05	<0.05	2.8	<0.05
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	4	0.05	**0.60**	0.19	0.05	0.28	**1**	0.004	0.25	Hydrock Derived		<0.05	<0.05	0.6	<0.05
206-44-0	Fluoranthene	mg/kg	0.05	4	0.05	5.60	1.44	0.05	2.78	0	19	290	Hydrock Derived		<0.05	<0.05	5.6	<0.05
86-73-7	Fluorene	mg/kg	0.05	4	0.05	0.05	0.05	0.05	0.00	0	31	180	Hydrock Derived		<0.05	<0.05	<0.05	<0.05
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	4	0.05	2.10	0.56	0.05	1.03	0	0.06	28	Hydrock Derived		<0.05	<0.05	2.1	<0.05
91-20-3	Naphthalene	mg/kg	0.05	4	0.05	0.05	0.05	0.05	0.00	0	76	13	Hydrock Derived		<0.05	<0.05	<0.05	<0.05
85-01-8	Phenanthrene	mg/kg	0.05	4	0.05	2.20	0.59	0.05	1.08	0	36	98	Hydrock Derived		<0.05	<0.05	2.2	<0.05
129-00-0	Pyrene	mg/kg	0.05	4	0.05	5.20	1.34	0.05	2.58	0	2.2	620	Hydrock Derived		<0.05	<0.05	5.2	<0.05

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.21
Scenario SOM%	1

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Strata	20/08/21	18/08/21	18/08/21	19/08/21
														Date	20/08/21	18/08/21	18/08/21	19/08/21
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP02	WS02	WS05	WS09
														Depth (m bgl)	3.3	0.8	3.8	3.8
-	**TPH fractions**																	
P1407	TPH ali EC05-EC06	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	304	42	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1408	TPH ali >EC06-EC08	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	144	100	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1409	TPH ali >EC08-EC10	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	78	27	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1410	TPH ali >EC10-EC12	mg/kg	1	2	1.00	1.00	1.00	1.00	0.00	0	48	130	Hydrock Derived		<1	<1	N/A	N/A
P1411	TPH ali >EC12-EC16	mg/kg	2	2	2.00	2.00	2.00	2.00	0.00	0	24	1100	Hydrock Derived		<2	<2	N/A	N/A
P1938	TPH ali >EC16-EC35	mg/kg	10	2	10.00	39.00	24.50	24.50	20.51	0	8	65000	Hydrock Derived		39	<10	N/A	N/A
P1415	TPH ali >EC35-EC44	mg/kg	8.4	2	8.40	28.00	18.20	18.20	13.86	0	8	65000	Hydrock Derived		28	<8.4	N/A	N/A
P1441	TPH aro EC05-EC07	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1218	73	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1355	TPH aro >EC07-EC08	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1356	TPH aro >EC08-EC10	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	613	35	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1357	TPH aro >EC10-EC12	mg/kg	1	2	1.00	1.00	1.00	1.00	0.00	0	364	75	Hydrock Derived		<1	<1	N/A	N/A
P1358	TPH aro >EC12-EC16	mg/kg	2	2	2.00	2.00	2.00	2.00	0.00	0	169	140	Hydrock Derived		<2	<2	N/A	N/A
P1359	TPH aro >EC16-EC21	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	54	260	Hydrock Derived		<10	<10	N/A	N/A
P1360	TPH aro >EC21-EC35	mg/kg	10	2	10.00	25.00	17.50	17.50	10.61	0	5	1100	Hydrock Derived		25	<10	N/A	N/A
P1362	TPH aro >EC35-EC44	mg/kg	8.4	2	8.40	13.00	10.70	10.70	3.25	0	5	1100	Hydrock Derived		13	<8.4	N/A	N/A
-	**VOCs - BTEX & MTBE**																	
71-43-2	Benzene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014		<0.001	<0.001	N/A	N/A
108-88-3	Toluene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	869	130	Hydrock Derived		<0.001	<0.001	N/A	N/A
100-41-4	Ethylbenzene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	518	47	Hydrock Derived		<0.001	<0.001	N/A	N/A
95-47-6	Xylene, o-	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	478	61	Hydrock Derived		<0.001	<0.001	N/A	N/A
1330-20-7	Xylene, p- (use this for combined m & p)	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	576	57	Hydrock Derived		<0.001	<0.001	N/A	N/A
1634-04-4	MTBE	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	20358	62	Hydrock Derived		<0.001	<0.001	N/A	N/A
	TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**														
														Aliphatics >EC5-EC6	2.381E-05	2.381E-05		
														Aliphatics >EC6-EC8	0.00001	0.00001		
														Aliphatics >EC8-EC10	3.704E-05	3.704E-05		
													Considered additive	Aliphatics >EC10-EC12	0.0076923	0.0076923		
														Aliphatics >EC12-EC16	0.0018182	0.0018182		
														Aliphatics >EC16-EC35	0.0006	0.0001538		
														Aliphatics >EC35-EC44	0.0004308	0.0001292		
														Aromatics EC5-EC7	1.37E-05	1.37E-05		
														Aromatics >EC7-EC8	7.692E-06	7.692E-06		
														Aromatics >EC8-EC10	2.857E-05	2.857E-05		
													Considered additive	Aromatics >EC10-EC12	0.0133333	0.0133333		
														Aromatics >EC12-EC16	0.0142857	0.0142857		
														Aromatics >EC16-EC21	0.0384615	0.0384615		
													Considered additive	Aromatics >EC21-EC35	0.0227273	0.0090909		
														Aromatics >EC35-EC44	0.0118182	0.0076364		

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.21
Scenario SOM%	1

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Date	20/08/21	18/08/21	18/08/21	19/08/21
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP02	WS02	WS05	WS09
														Depth (m bgl)	3.3	0.8	3.8	3.8
														Strata	NAT	NAT	NAT	NAT
	Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													Hazard Index for ali>C8-C16	0.009548	0.009548		
														Hazard Index for aro>C8-C16	0.027648	0.027648		
														Hazard Index for aro>C16-C35	0.061189	0.047552		

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 4.41

Scenario SOM% 2.5

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Strata	18/08/21	19/08/21	19/08/21	18/08/21	17/08/21	20/08/21	20/08/21
														Date	18/08/21	19/08/21	19/08/21	18/08/21	17/08/21	20/08/21	20/08/21
														Zone	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
														Location	BH01	BH02	BH02	BH03	TP01	TP02	TP02
														Depth (m bgl)	2.5	3	1.5	1	1	0.8	1.5
-	**Asbestos**																				
P1020	Asbestos Identified	Y/N	Y/N	17	-	-	-	-	No. of detects:	3	-	-	-		N	N	N	Y	N	N	N
-	**Hydrock Default Suite - FOC / SOM / pH**										-										
P1085	FOC (dimensionless)	[]	0.001	17	0.009	0.050	0.026	0.023	0.01		-	-	-		0.013	0.028	0.046	0.018	0.023	0.03	0.029
-	SOM (calculated)	%	0.1724	17	1.62	8.62	4.41	3.97	2.14		-	-	-		2.2412	4.8272	7.9304	3.1032	3.9652	5.172	4.9996
P1334	pH (su)	pH Units	0	17	7.30	8.80	7.94	7.90	0.37		-	-	-		7.9	7.9	7.3	7.9	8	8	8.2
-	**Hydrock Default Suite - Metals & PAH**																				
7440-38-2	Arsenic	mg/kg	1	17	25.00	85.00	55.47	49.00	19.86	2	NR	79	C4SL - CL:AIRE 2014		78	84	40	53	73	85	27
7440-41-7	Beryllium	mg/kg	0.06	17	1.20	7.30	2.20	1.60	1.45	6	NR	2.2	Hydrock Derived		2	2.4	3.2	1.6	3	7.3	1.3
7440-42-8	Boron	mg/kg	0.2	17	0.90	17.00	7.10	6.60	5.27	0	NR	21000	Hydrock Derived		1.8	3.4	6.6	12	8.2	17	14
7440-43-9	Cadmium	mg/kg	0.2	17	0.20	22.00	2.32	0.20	5.29	0	NR	220	C4SL - CL:AIRE 2014		1.5	5.3	2.5	3.4	<0.2	<0.2	<0.2
16065-83-1	Chromium (III)	mg/kg	1	17	25.00	75.00	51.94	55.00	13.30	0	NR	1500	Hydrock Derived		75	74	54	55	55	56	25
18540-29-9	Chromium (VI)	mg/kg	1.2	17	1.20	1.20	1.20	1.20	0.00	0	NR	23	C4SL - CL:AIRE 2014		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
7440-47-3	Chromium (Total)	mg/kg	1	17	25.00	75.00	52.12	55.00	13.30			-			75	74	54	56	55	57	25
7440-50-8	Copper	mg/kg	1	17	21.00	1000.00	234.41	98.00	306.23	0	NR	12000	Hydrock Derived		35	1000	240	920	300	170	34
7439-92-1	Lead	mg/kg	1	17	45.00	830.00	268.82	190.00	245.75	2	NR	630	C4SL - CL:AIRE 2014		170	120	210	420	730	270	57
7439-97-6	Mercury, inorganic	mg/kg	0.3	17	0.30	2.40	0.52	0.30	0.54	0	NR	120	Hydrock Derived		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
7440-02-0	Nickel	mg/kg	1	17	24.00	150.00	56.18	46.00	32.09	0	NR	230	Hydrock Derived		44	150	46	90	91	81	24
7782-49-2	Selenium	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	1100	Hydrock Derived		<1	<1	<1	<1	<1	<1	<1
7440-62-2	Vanadium	mg/kg	1	17	36.00	140.00	82.88	78.00	29.27	0	NR	2000	Hydrock Derived		140	130	61	84	93	110	50
7440-66-6	Zinc	mg/kg	1	17	110.00	6500.00	1050.00	340.00	1679.11	0	NR	81000	Hydrock Derived		240	540	2100	3700	340	1300	290
P1095	Cyanide (free)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020		<1	<1	<1	<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	38058	690	Hydrock Derived		<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	mg/kg	0.05	17	0.05	0.95	0.12	0.05	0.23	0	141	15000	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.95
208-96-8	Acenaphthylene	mg/kg	0.05	17	0.05	0.58	0.08	0.05	0.13	0	212	15000	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.58
120-12-7	Anthracene	mg/kg	0.05	17	0.05	3.70	0.34	0.05	0.89	0	2.91	74000	Hydrock Derived		<0.05	<0.05	0.62	<0.05	<0.05	<0.05	3.7
56-55-3	Benz(a)anthracene	mg/kg	0.05	17	0.05	12.00	1.26	0.39	2.84	0	4.28	29	Hydrock Derived		1.5	<0.05	1.6	<0.05	<0.05	0.6	12
50-32-8	Benzo(a)pyrene	mg/kg	0.05	17	0.05	8.50	0.99	0.39	2.00	0	2.28	10	C4SL - CL:AIRE 2014		1.3	<0.05	1.4	0.5	<0.05	0.49	8.5
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	17	0.05	9.70	1.16	0.49	2.28	1	3.04	7.2	Hydrock Derived		1.7	<0.05	1.7	0.64	<0.05	0.57	9.7
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	17	0.05	5.70	0.67	0.27	1.34	0	0.04	640	Hydrock Derived		1	<0.05	1	0.4	<0.05	0.39	5.7
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	17	0.05	4.60	0.54	0.26	1.07	0	1.72	190	Hydrock Derived		0.53	<0.05	0.51	0.27	<0.05	0.32	4.6
218-01-9	Chrysene	mg/kg	0.05	17	0.05	8.80	0.97	0.39	2.07	0	1.10	57	Hydrock Derived		1.2	<0.05	1.2	<0.05	<0.05	0.6	8.8
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	17	0.05	1.60	0.18	0.05	0.38	1	0.010	0.57	Hydrock Derived		0.27	<0.05	0.28	<0.05	<0.05	<0.05	1.6
206-44-0	Fluoranthene	mg/kg	0.05	17	0.05	21.00	2.19	0.92	4.92	0	47	3100	Hydrock Derived		2	0.92	2.1	0.72	<0.05	1	21
86-73-7	Fluorene	mg/kg	0.05	17	0.05	1.60	0.15	0.05	0.38	0	77	9900	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.6
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	17	0.05	5.20	0.61	0.24	1.23	0	0.15	82	Hydrock Derived		0.96	<0.05	0.93	0.35	<0.05	0.32	5.2
91-20-3	Naphthalene	mg/kg	0.05	17	0.05	0.05	0.05	0.05	0.00	0	183	4100	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
85-01-8	Phenanthrene	mg/kg	0.05	17	0.05	11.00	1.14	0.35	2.61	0	90	3100	Hydrock Derived		0.62	0.32	1.3	0.27	<0.05	0.64	11
129-00-0	Pyrene	mg/kg	0.05	17	0.05	17.00	1.90	0.79	3.97	0	5.5	7400	Hydrock Derived		1.9	0.93	2	0.66	<0.05	0.84	17

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

Dataset mean SOM%	4.41
Scenario SOM%	2.5

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Date	18/08/21	19/08/21	19/08/21	18/08/21	17/08/21	20/08/21	20/08/21
														Zone	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
														Location	BH01	BH02	BH02	BH03	TP01	TP02	TP02
														Depth (m bgl)	2.5	3	1.5	1	1	0.8	1.5
														Strata	LF	LF	LF	LF	LF	LF	LF
-	**TPH fractions**																				
P1407	TPH ali EC05-EC06	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	558	590000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1408	TPH ali >EC06-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	322	610000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1409	TPH ali >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	190	13000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1410	TPH ali >EC10-EC12	mg/kg	1	12	1.00	1.80	1.09	1.00	0.24	0	118	13000	Hydrock Derived		<1	N/A	N/A	N/A	<1	<1	1.8
P1411	TPH ali >EC12-EC16	mg/kg	2	12	2.00	15.00	4.38	2.00	4.16	0	59	13000	Hydrock Derived		6.7	N/A	N/A	N/A	<2	<2	15
P1938	TPH ali >EC16-EC35	mg/kg	10	12	10.00	970.00	170.42	46.00	279.75	0	21	250000	Hydrock Derived		970	N/A	N/A	N/A	51	41	320
P1415	TPH ali >EC35-EC44	mg/kg	8.4	12	8.40	340.00	60.83	14.00	96.88	0	21	250000	Hydrock Derived		340	N/A	N/A	N/A	17	24	87
P1441	TPH aro EC05-EC07	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	56000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1355	TPH aro >EC07-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	56000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1356	TPH aro >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1503	5000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1357	TPH aro >EC10-EC12	mg/kg	1	12	1.00	5.10	1.34	1.00	1.18	0	899	5000	Hydrock Derived		<1	N/A	N/A	N/A	<1	<1	5.1
P1358	TPH aro >EC12-EC16	mg/kg	2	12	2.00	110.00	11.40	2.00	31.08	0	419	5000	Hydrock Derived		<2	N/A	N/A	N/A	<2	6.8	110
P1359	TPH aro >EC16-EC21	mg/kg	10	12	10.00	600.00	64.42	11.00	169.10	0	134	3800	Hydrock Derived		13	N/A	N/A	N/A	<10	53	600
P1360	TPH aro >EC21-EC35	mg/kg	10	12	10.00	620.00	120.25	53.00	183.25	0	12	3800	Hydrock Derived		340	N/A	N/A	N/A	32	110	620
P1362	TPH aro >EC35-EC44	mg/kg	8.4	12	8.40	230.00	48.49	12.95	70.61	0	12	3800	Hydrock Derived		230	N/A	N/A	N/A	16	30	150
-	**VOCs - BTEX & MTBE**																				
71-43-2	Benzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	140	C4SL - CL:AIRE 2014		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
108-88-3	Toluene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	56000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
100-41-4	Ethylbenzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1216	24000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
95-47-6	Xylene, o-	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1120	42000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
1330-20-7	Xylene, p- (use this for combined m & p)	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1353	42000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
1634-04-4	MTBE	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	33075	75000	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
	TPH Additivity Check				**HAZARD QUOTIENTS FOR EACH FRACTION**																
														Aliphatics >EC5-EC6	1.695E-09				1.695E-09	1.695E-09	1.695E-09
														Aliphatics >EC6-EC8	1.639E-09				1.639E-09	1.639E-09	1.639E-09
														Aliphatics >EC8-EC10	7.692E-08				7.692E-08	7.692E-08	7.692E-08
													Considered additive	Aliphatics >EC10-EC12	7.692E-05				7.692E-05	7.692E-05	0.0001385
														Aliphatics >EC12-EC16	0.0005154				0.0001538	0.0001538	0.0011538
														Aliphatics >EC16-EC35	0.00388				0.000204	0.000164	0.00128
														Aliphatics >EC35-EC44	0.00136				0.000068	0.000096	0.000348
														Aromatics EC5-EC7	1.786E-08				1.786E-08	1.786E-08	1.786E-08
														Aromatics >EC7-EC8	1.786E-08				1.786E-08	1.786E-08	1.786E-08
														Aromatics >EC8-EC10	0.0000002				0.0000002	0.0000002	0.0000002
													Considered additive	Aromatics >EC10-EC12	0.0002				0.0002	0.0002	0.00102
														Aromatics >EC12-EC16	0.0004				0.0004	0.00136	0.022
														Aromatics >EC16-EC21	0.0034211				0.0026316	0.0139474	0.1578947
													Considered additive	Aromatics >EC21-EC35	0.0894737				0.0084211	0.0289474	0.1631579
														Aromatics >EC35-EC44	0.0605263				0.0042105	0.0078947	0.0394737

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	4.41
Scenario SOM%	2.5

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Date	18/08/21	19/08/21	19/08/21	18/08/21	17/08/21	20/08/21	20/08/21
														Zone	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
														Location	BH01	BH02	BH02	BH03	TP01	TP02	TP02
														Depth (m bgl)	2.5	3	1.5	1	1	0.8	1.5
														Strata	LF	LF	LF	LF	LF	LF	LF
	Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													Hazard Index for ali>C8-C16	0.000592				0.000231	0.000231	0.001292
														Hazard Index for aro>C8-C16	0.0006				0.0006	0.00156	0.02302
														Hazard Index for aro>C16-C35	0.092895				0.011053	0.042895	0.321053

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	4.41
Scenario SOM%	2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
													20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	18/08/21	18/08/21
													Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
													TP02	TP03	TP04	TP05	TP05	TP05	TP06	TP07	WS03	WS05
													2.5	2.3	0.5	0.5	2	1.3	0.7	2.7	1	2.9
Asbestos																						
Asbestos Identified	Y/N	Y/N	17	-	-	-	-	No. of detects:	3	-	-	-		N	N				N	N		N
Hydrock Default Suite - FOC / SOM / pH										-												
FOC (dimensionless)	[]	0.001	17	0.009	0.050	0.026	0.023	0.01		-	-	-		0.022	0.012				0.035	0.018		0.029
SOM (calculated)	%	0.1724	17	1.62	8.62	4.41	3.97	2.14		-	-	-		3.7928	2.0688				6.034	3.1032		4.9996
pH (su)	pH Units	0	17	7.30	8.80	7.94	7.90	0.37		-	-	-	N/A	8.1	8.8	N/A	N/A	N/A	8.6	7.8	N/A	7.7
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	17	25.00	85.00	55.47	49.00	19.86	2	NR	79	C4SL - CL:AIRE 2014	N/A	77	49	N/A	N/A	N/A	66	72	N/A	40
Beryllium	mg/kg	0.06	17	1.20	7.30	2.20	1.60	1.45	6	NR	2.2	Hydrock Derived	N/A	2.3	2.5	N/A	N/A	N/A	1.5	1.9	N/A	1.2
Boron	mg/kg	0.2	17	0.90	17.00	7.10	6.60	5.27	0	NR	21000	Hydrock Derived	N/A	4.4	2.6	N/A	N/A	N/A	1.2	7.1	N/A	3.9
Cadmium	mg/kg	0.2	17	0.20	22.00	2.32	0.20	5.29	0	NR	220	C4SL - CL:AIRE 2014	N/A	22	<0.2	N/A	N/A	N/A	<0.2	<0.2	N/A	<0.2
Chromium (III)	mg/kg	1	17	25.00	75.00	51.94	55.00	13.30	0	NR	1500	Hydrock Derived	N/A	55	43	N/A	N/A	N/A	56	55	N/A	41
Chromium (VI)	mg/kg	1.2	17	1.20	1.20	1.20	1.20	0.00	0	NR	23	C4SL - CL:AIRE 2014	N/A	<1.2	<1.2	N/A	N/A	N/A	<1.2	<1.2	N/A	<1.2
Chromium (Total)	mg/kg	1	17	25.00	75.00	52.12	55.00	13.30			-		N/A	55	44	N/A	N/A	N/A	56	55	N/A	41
Copper	mg/kg	1	17	21.00	1000.00	234.41	98.00	306.23	0	NR	12000	Hydrock Derived	N/A	81	190	N/A	N/A	N/A	40	42	N/A	570
Lead	mg/kg	1	17	45.00	830.00	268.82	190.00	245.75	2	NR	630	C4SL - CL:AIRE 2014	N/A	190	830	N/A	N/A	N/A	73	83	N/A	60
Mercury, inorganic	mg/kg	0.3	17	0.30	2.40	0.52	0.30	0.54	0	NR	120	Hydrock Derived	N/A	<0.3	<0.3	N/A	N/A	N/A	2.4	<0.3	N/A	<0.3
Nickel	mg/kg	1	17	24.00	150.00	56.18	46.00	32.09	0	NR	230	Hydrock Derived	N/A	55	57	N/A	N/A	N/A	36	44	N/A	33
Selenium	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	1100	Hydrock Derived	N/A	<1	<1	N/A	N/A	N/A	<1	<1	N/A	<1
Vanadium	mg/kg	1	17	36.00	140.00	82.88	78.00	29.27	0	NR	2000	Hydrock Derived	N/A	95	77	N/A	N/A	N/A	110	100	N/A	70
Zinc	mg/kg	1	17	110.00	6500.00	1050.00	340.00	1679.11	0	NR	81000	Hydrock Derived	N/A	6500	660	N/A	N/A	N/A	210	210	N/A	130
Cyanide (free)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	N/A	<1	<1	N/A	N/A	N/A	<1	<1	N/A	<1
Total Phenols (Monohydric)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	38058	690	Hydrock Derived	N/A	<1	<1	N/A	N/A	N/A	<1	<1	N/A	<1
Acenaphthene	mg/kg	0.05	17	0.05	0.95	0.12	0.05	0.23	0	141	15000	Hydrock Derived	N/A	<0.05	<0.05	N/A	N/A	N/A	<0.05	<0.05	N/A	<0.05
Acenaphthylene	mg/kg	0.05	17	0.05	0.58	0.08	0.05	0.13	0	212	15000	Hydrock Derived	N/A	<0.05	<0.05	N/A	N/A	N/A	<0.05	<0.05	N/A	<0.05
Anthracene	mg/kg	0.05	17	0.05	3.70	0.34	0.05	0.89	0	2.91	74000	Hydrock Derived	N/A	0.22	<0.05	N/A	N/A	N/A	0.67	<0.05	N/A	<0.05
Benz(a)anthracene	mg/kg	0.05	17	0.05	12.00	1.26	0.39	2.84	0	4.28	29	Hydrock Derived	N/A	1	<0.05	N/A	N/A	N/A	1.7	<0.05	N/A	0.39
Benzo(a)pyrene	mg/kg	0.05	17	0.05	8.50	0.99	0.39	2.00	0	2.28	10	C4SL - CL:AIRE 2014	N/A	0.84	<0.05	N/A	N/A	N/A	1.3	<0.05	N/A	0.3
Benzo(b)fluoranthene	mg/kg	0.05	17	0.05	9.70	1.16	0.49	2.28	1	3.04	7.2	Hydrock Derived	N/A	0.9	<0.05	N/A	N/A	N/A	1.5	<0.05	N/A	0.38
Benzo(ghi)perylene	mg/kg	0.05	17	0.05	5.70	0.67	0.27	1.34	0	0.04	640	Hydrock Derived	N/A	0.63	<0.05	N/A	N/A	N/A	0.83	<0.05	N/A	0.27
Benzo(k)fluoranthene	mg/kg	0.05	17	0.05	4.60	0.54	0.26	1.07	0	1.72	190	Hydrock Derived	N/A	0.53	<0.05	N/A	N/A	N/A	0.68	<0.05	N/A	0.21
Chrysene	mg/kg	0.05	17	0.05	8.80	0.97	0.39	2.07	0	1.10	57	Hydrock Derived	N/A	0.89	<0.05	N/A	N/A	N/A	1.4	<0.05	N/A	0.38
Dibenz(ah)anthracene	mg/kg	0.05	17	0.05	1.60	0.18	0.05	0.38	1	0.010	0.57	Hydrock Derived	N/A	<0.05	<0.05	N/A	N/A	N/A	0.29	<0.05	N/A	<0.05
Fluoranthene	mg/kg	0.05	17	0.05	21.00	2.19	0.92	4.92	0	47	3100	Hydrock Derived	N/A	1.5	<0.05	N/A	N/A	N/A	3	<0.05	N/A	0.92
Fluorene	mg/kg	0.05	17	0.05	1.60	0.15	0.05	0.38	0	77	9900	Hydrock Derived	N/A	<0.05	<0.05	N/A	N/A	N/A	<0.05	<0.05	N/A	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	17	0.05	5.20	0.61	0.24	1.23	0	0.15	82	Hydrock Derived	N/A	0.55	<0.05	N/A	N/A	N/A	0.77	<0.05	N/A	0.24
Naphthalene	mg/kg	0.05	17	0.05	0.05	0.05	0.05	0.00	0	183	4100	Hydrock Derived	N/A	<0.05	<0.05	N/A	N/A	N/A	<0.05	<0.05	N/A	<0.05
Phenanthrene	mg/kg	0.05	17	0.05	11.00	1.14	0.35	2.61	0	90	3100	Hydrock Derived	N/A	0.66	<0.05	N/A	N/A	N/A	2.3	<0.05	N/A	0.91
Pyrene	mg/kg	0.05	17	0.05	17.00	1.90	0.79	3.97	0	5.5	7400	Hydrock Derived	N/A	1.4	<0.05	N/A	N/A	N/A	2.6	<0.05	N/A	0.79

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	4.41
Scenario SOM%	2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	20/08/21 Landfill TP02 2.5 LF	20/08/21 Landfill TP03 2.3 LF	20/08/21 Landfill TP04 0.5 LF	20/08/21 Landfill TP05 0.5 LF	20/08/21 Landfill TP05 2 LF	20/08/21 Landfill TP05 1.3 LF	20/08/21 Landfill TP06 0.7 LF	20/08/21 Landfill TP07 2.7 LF	18/08/21 Landfill WS03 1 LF	18/08/21 Landfill WS05 2.9 LF
TPH fractions																						
TPH ali EC05-EC06	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	558	590000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH ali >EC06-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	322	610000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH ali >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	190	13000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH ali >EC10-EC12	mg/kg	1	12	1.00	1.80	1.09	1.00	0.24	0	118	13000	Hydrock Derived	<1	N/A	<1	<1	1.3	N/A	N/A	N/A	<1	N/A
TPH ali >EC12-EC16	mg/kg	2	12	2.00	15.00	4.38	2.00	4.16	0	59	13000	Hydrock Derived	<2	N/A	<2	5.3	9.5	N/A	N/A	N/A	<2	N/A
TPH ali >EC16-EC35	mg/kg	10	12	10.00	970.00	170.42	46.00	279.75	0	21	250000	Hydrock Derived	<10	N/A	<10	220	330	N/A	N/A	N/A	<10	N/A
TPH ali >EC35-EC44	mg/kg	8.4	12	8.40	340.00	60.83	14.00	96.88	0	21	250000	Hydrock Derived	<8.4	N/A	<8.4	79	130	N/A	N/A	N/A	<8.4	N/A
TPH aro EC05-EC07	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	56000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH aro >EC07-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	56000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH aro >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1503	5000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH aro >EC10-EC12	mg/kg	1	12	1.00	5.10	1.34	1.00	1.18	0	899	5000	Hydrock Derived	<1	N/A	<1	<1	<1	N/A	N/A	N/A	<1	N/A
TPH aro >EC12-EC16	mg/kg	2	12	2.00	110.00	11.40	2.00	31.08	0	419	5000	Hydrock Derived	<2	N/A	<2	<2	<2	N/A	N/A	N/A	<2	N/A
TPH aro >EC16-EC21	mg/kg	10	12	10.00	600.00	64.42	11.00	169.10	0	134	3800	Hydrock Derived	<10	N/A	<10	18	12	N/A	N/A	N/A	<10	N/A
TPH aro >EC21-EC35	mg/kg	10	12	10.00	620.00	120.25	53.00	183.25	0	12	3800	Hydrock Derived	<10	N/A	<10	97	120	N/A	N/A	N/A	<10	N/A
TPH aro >EC35-EC44	mg/kg	8.4	12	8.40	230.00	48.49	12.95	70.61	0	12	3800	Hydrock Derived	<8.4	N/A	<8.4	34	70	N/A	N/A	N/A	<8.4	N/A
VOCs - BTEX & MTBE																						
Benzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	140	C4SL - CL:AIRE 2014	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
Toluene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	56000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
Ethylbenzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1216	24000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
Xylene, o-	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1120	42000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
Xylene, p- (use this for combined m & p)	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1353	42000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
MTBE	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	33075	75000	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																			
													1.695E-09		1.695E-09	1.695E-09	1.695E-09				1.695E-09	
													1.639E-09		1.639E-09	1.639E-09	1.639E-09				1.639E-09	
													7.692E-08		7.692E-08	7.692E-08	7.692E-08				7.692E-08	
Considered additive													7.692E-05		7.692E-05	7.692E-05	0.0001				7.692E-05	
													0.0001538		0.0001538	0.0004077	0.0007308				0.0001538	
													0.00004		0.00004	0.00088	0.00132				0.00004	
													0.0000336		0.0000336	0.000316	0.00052				0.0000336	
													1.786E-08		1.786E-08	1.786E-08	1.786E-08				1.786E-08	
													1.786E-08		1.786E-08	1.786E-08	1.786E-08				1.786E-08	
													0.0000002		0.0000002	0.0000002	0.0000002				0.0000002	
Considered additive													0.0002		0.0002	0.0002	0.0002				0.0002	
													0.0004		0.0004	0.0004	0.0004				0.0004	
													0.0026316		0.0026316	0.0047368	0.0031579				0.0026316	
Considered additive													0.0026316		0.0026316	0.0255263	0.0315789				0.0026316	
													0.0022105		0.0022105	0.0089474	0.0184211				0.0022105	

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	4.41
Scenario SOM%	2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	18/08/21	18/08/21
													Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
													TP02	TP03	TP04	TP05	TP05	TP05	TP06	TP07	WS03	WS05
													2.5	2.3	0.5	0.5	2	1.3	0.7	2.7	1	2.9
													LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.												Hazard I	0.000231		0.000231	0.000485	0.000831				0.000231	
												Hazard In	0.0006		0.0006	0.0006	0.0006				0.0006	
												Hazard Ind	0.005263		0.005263	0.030263	0.034737				0.005263	

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 4.41

Scenario SOM% 2.5

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	19/08/21 Landfill WS06 1.8 LF	19/08/21 Landfill WS07 2.3 LF	19/08/21 Landfill WS08 3.4 LF	19/08/21 Landfill WS09 2.5 LF	19/08/21 Landfill WS09 3 LF	19/08/21 Landfill WS10 0.6 LF
Asbestos																		
Asbestos Identified	Y/N	Y/N	17	-	-	-	-	No. of detects:	3	-	-	-	N	N		N	Y	Y
Hydrock Default Suite - FOC / SOM / pH										-								
FOC (dimensionless)	[]	0.001	17	0.009	0.050	0.026	0.023	0.01		-	-	-	0.05	0.043		0.0094	0.011	0.018
SOM (calculated)	%	0.1724	17	1.62	8.62	4.41	3.97	2.14		-	-	-	8.62	7.4132		1.62056	1.8964	3.1032
pH (su)	pH Units	0	17	7.30	8.80	7.94	7.90	0.37		-	-	-	7.7	7.7	N/A	7.5	7.7	8.1
Hydrock Default Suite - Metals & PAH																		
Arsenic	mg/kg	1	17	25.00	85.00	55.47	49.00	19.86	2	NR	79	C4SL - CL:AIRE 2014	25	34	N/A	48	45	47
Beryllium	mg/kg	0.06	17	1.20	7.30	2.20	1.60	1.45	6	NR	2.2	Hydrock Derived	1.6	1.4	N/A	1.4	1.3	1.5
Boron	mg/kg	0.2	17	0.90	17.00	7.10	6.60	5.27	0	NR	21000	Hydrock Derived	12	16	N/A	2.9	6.7	0.9
Cadmium	mg/kg	0.2	17	0.20	22.00	2.32	0.20	5.29	0	NR	220	C4SL - CL:AIRE 2014	2.6	<0.2	N/A	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	17	25.00	75.00	51.94	55.00	13.30	0	NR	1500	Hydrock Derived	67	56	N/A	43	39	34
Chromium (VI)	mg/kg	1.2	17	1.20	1.20	1.20	1.20	0.00	0	NR	23	C4SL - CL:AIRE 2014	<1.2	<1.2	N/A	<1.2	<1.2	<1.2
Chromium (Total)	mg/kg	1	17	25.00	75.00	52.12	55.00	13.30			-		67	56	N/A	43	39	34
Copper	mg/kg	1	17	21.00	1000.00	234.41	98.00	306.23	0	NR	12000	Hydrock Derived	150	73	N/A	21	21	98
Lead	mg/kg	1	17	45.00	830.00	268.82	190.00	245.75	2	NR	630	C4SL - CL:AIRE 2014	370	600	N/A	45	62	280
Mercury, inorganic	mg/kg	0.3	17	0.30	2.40	0.52	0.30	0.54	0	NR	120	Hydrock Derived	1	0.5	N/A	<0.3	<0.3	1
Nickel	mg/kg	1	17	24.00	150.00	56.18	46.00	32.09	0	NR	230	Hydrock Derived	63	55	N/A	29	27	30
Selenium	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	1100	Hydrock Derived	<1	<1	N/A	<1	<1	<1
Vanadium	mg/kg	1	17	36.00	140.00	82.88	78.00	29.27	0	NR	2000	Hydrock Derived	36	44	N/A	78	73	58
Zinc	mg/kg	1	17	110.00	6500.00	1050.00	340.00	1679.11	0	NR	81000	Hydrock Derived	560	280	N/A	110	130	550
Cyanide (free)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	N/A	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	38058	690	Hydrock Derived	<1	<1	N/A	<1	<1	<1
Acenaphthene	mg/kg	0.05	17	0.05	0.95	0.12	0.05	0.23	0	141	15000	Hydrock Derived	0.4	<0.05	N/A	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	17	0.05	0.58	0.08	0.05	0.13	0	212	15000	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	<0.05
Anthracene	mg/kg	0.05	17	0.05	3.70	0.34	0.05	0.89	0	2.91	74000	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	17	0.05	12.00	1.26	0.39	2.84	0	4.28	29	Hydrock Derived	<0.05	0.39	N/A	<0.05	0.44	1.4
Benzo(a)pyrene	mg/kg	0.05	17	0.05	8.50	0.99	0.39	2.00	0	2.28	10	C4SL - CL:AIRE 2014	<0.05	0.33	N/A	<0.05	0.39	1.2
Benzo(b)fluoranthene	mg/kg	0.05	17	0.05	9.70	1.16	0.49	2.28	1	3.04	7.2	Hydrock Derived	<0.05	0.36	N/A	<0.05	0.49	1.4
Benzo(ghi)perylene	mg/kg	0.05	17	0.05	5.70	0.67	0.27	1.34	0	0.04	640	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	0.77
Benzo(k)fluoranthene	mg/kg	0.05	17	0.05	4.60	0.54	0.26	1.07	0	1.72	190	Hydrock Derived	<0.05	0.26	N/A	<0.05	0.2	0.75
Chrysene	mg/kg	0.05	17	0.05	8.80	0.97	0.39	2.07	0	1.10	57	Hydrock Derived	<0.05	0.39	N/A	<0.05	0.41	0.94
Dibenz(ah)anthracene	mg/kg	0.05	17	0.05	1.60	0.18	0.05	0.38	1	0.010	0.57	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	17	0.05	21.00	2.19	0.92	4.92	0	47	3100	Hydrock Derived	0.64	0.72	N/A	<0.05	0.52	2
Fluorene	mg/kg	0.05	17	0.05	1.60	0.15	0.05	0.38	0	77	9900	Hydrock Derived	0.2	<0.05	N/A	<0.05	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	17	0.05	5.20	0.61	0.24	1.23	0	0.15	82	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	0.67
Naphthalene	mg/kg	0.05	17	0.05	0.05	0.05	0.05	0.00	0	183	4100	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	<0.05
Phenanthrene	mg/kg	0.05	17	0.05	11.00	1.14	0.35	2.61	0	90	3100	Hydrock Derived	0.35	<0.05	N/A	<0.05	<0.05	0.66
Pyrene	mg/kg	0.05	17	0.05	17.00	1.90	0.79	3.97	0	5.5	7400	Hydrock Derived	0.72	0.67	N/A	<0.05	0.55	2

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 4.41

Scenario SOM% 2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	19/08/21 Landfill WS06 1.8 LF	19/08/21 Landfill WS07 2.3 LF	19/08/21 Landfill WS08 3.4 LF	19/08/21 Landfill WS09 2.5 LF	19/08/21 Landfill WS09 3 LF	19/08/21 Landfill WS10 0.6 LF
TPH fractions																		
TPH ali EC05-EC06	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	558	590000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH ali >EC06-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	322	610000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH ali >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	190	13000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH ali >EC10-EC12	mg/kg	1	12	1.00	1.80	1.09	1.00	0.24	0	118	13000	Hydrock Derived	<1	<1	N/A	<1	N/A	
TPH ali >EC12-EC16	mg/kg	2	12	2.00	15.00	4.38	2.00	4.16	0	59	13000	Hydrock Derived	<2	<2	N/A	<2	N/A	
TPH ali >EC16-EC35	mg/kg	10	12	10.00	970.00	170.42	46.00	279.75	0	21	250000	Hydrock Derived	63	<10	N/A	<10	N/A	
TPH ali >EC35-EC44	mg/kg	8.4	12	8.40	340.00	60.83	14.00	96.88	0	21	250000	Hydrock Derived	11	<8.4	N/A	<8.4	N/A	
TPH aro EC05-EC07	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	56000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH aro >EC07-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	56000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH aro >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1503	5000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH aro >EC10-EC12	mg/kg	1	12	1.00	5.10	1.34	1.00	1.18	0	899	5000	Hydrock Derived	<1	<1	N/A	<1	N/A	
TPH aro >EC12-EC16	mg/kg	2	12	2.00	110.00	11.40	2.00	31.08	0	419	5000	Hydrock Derived	<2	<2	N/A	<2	N/A	
TPH aro >EC16-EC21	mg/kg	10	12	10.00	600.00	64.42	11.00	169.10	0	134	3800	Hydrock Derived	17	<10	N/A	<10	N/A	
TPH aro >EC21-EC35	mg/kg	10	12	10.00	620.00	120.25	53.00	183.25	0	12	3800	Hydrock Derived	74	<10	N/A	<10	N/A	
TPH aro >EC35-EC44	mg/kg	8.4	12	8.40	230.00	48.49	12.95	70.61	0	12	3800	Hydrock Derived	9.9	<8.4	N/A	<8.4	N/A	
VOCs - BTEX & MTBE																		
Benzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	140	C4SL - CL:AIRE 2014	<0.001	<0.001	N/A	<0.001	N/A	
Toluene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	56000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
Ethylbenzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1216	24000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
Xylene, o-	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1120	42000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
Xylene, p- (use this for combined m & p)	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1353	42000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
MTBE	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	33075	75000	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**															
													1.695E-09	1.695E-09		1.695E-09		
													1.639E-09	1.639E-09		1.639E-09		
													7.692E-08	7.692E-08		7.692E-08		
Considered additive													A 7.692E-05	7.692E-05		7.692E-05		
													A 0.0001538	0.0001538		0.0001538		
													A 0.000252	0.00004		0.00004		
													A 0.000044	0.0000336		0.0000336		
													1.786E-08	1.786E-08		1.786E-08		
													1.786E-08	1.786E-08		1.786E-08		
													0.0000002	0.0000002		0.0000002		
Considered additive													A 0.0002	0.0002		0.0002		
													A 0.0004	0.0004		0.0004		
													A 0.0044737	0.0026316		0.0026316		
Considered additive													A 0.0194737	0.0026316		0.0026316		
													A 0.0026053	0.0022105		0.0022105		

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	4.41
Scenario SOM%	2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	19/08/21 Landfill WS06 1.8 LF	19/08/21 Landfill WS07 2.3 LF	19/08/21 Landfill WS08 3.4 LF	19/08/21 Landfill WS09 2.5 LF	19/08/21 Landfill WS09 3 LF	19/08/21 Landfill WS10 0.6 LF
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.												Hazard I	0.000231	0.000231		0.000231		
												Hazard In	0.0006	0.0006		0.0006		
												Hazard Ind	0.023947	0.005263		0.005263		

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	4.41
Scenario SOM%	2.5

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Strata	18/08/21	19/08/21	19/08/21	18/08/21	17/08/21	20/08/21	20/08/21
														Date	18/08/21	19/08/21	19/08/21	18/08/21	17/08/21	20/08/21	20/08/21
														Zone	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
														Location	BH01	BH02	BH02	BH03	TP01	TP02	TP02
														Depth (m bgl)	2.5	3	1.5	1	1	0.8	1.5
-	**Asbestos**																				
P1020	Asbestos Identified	Y/N	Y/N	17	-	-	-	-	No. of detects:	3	-	-	-		N	N	N	Y	N	N	N
-	**Hydrock Default Suite - FOC / SOM / pH**										-										
P1085	FOC (dimensionless)	[]	0.001	17	0.009	0.050	0.026	0.023	0.01		-	-	-		0.013	0.028	0.046	0.018	0.023	0.03	0.029
-	SOM (calculated)	%	0.1724	17	1.62	8.62	4.41	3.97	2.14		-	-	-		2.2412	4.8272	7.9304	3.1032	3.9652	5.172	4.9996
P1334	pH (su)	pH Units	0	17	7.30	8.80	7.94	7.90	0.37		-	-	-		7.9	7.9	7.3	7.9	8	8	8.2
-	**Hydrock Default Suite - Metals & PAH**																				
7440-38-2	Arsenic	mg/kg	1	17	25.00	85.00	55.47	49.00	19.86	14	NR	37	C4SL - CL:AIRE 2014		78	84	40	53	73	85	27
7440-41-7	Beryllium	mg/kg	0.06	17	1.20	7.30	2.20	1.60	1.45	8	NR	1.7	Hydrock Derived		2	2.4	3.2	1.6	3	7.3	1.3
7440-42-8	Boron	mg/kg	0.2	17	0.90	17.00	7.10	6.60	5.27	0	NR	300	Hydrock Derived		1.8	3.4	6.6	12	8.2	17	14
7440-43-9	Cadmium	mg/kg	0.2	17	0.20	22.00	2.32	0.20	5.29	1	NR	22	C4SL - CL:AIRE 2014		1.5	5.3	2.5	3.4	<0.2	<0.2	<0.2
16065-83-1	Chromium (III)	mg/kg	1	17	25.00	75.00	51.94	55.00	13.30	0	NR	890	Hydrock Derived		75	74	54	55	55	56	25
18540-29-9	Chromium (VI)	mg/kg	1.2	17	1.20	1.20	1.20	1.20	0.00	0	NR	21	C4SL - CL:AIRE 2014		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
7440-47-3	Chromium (Total)	mg/kg	1	17	25.00	75.00	52.12	55.00	13.30			-			75	74	54	56	55	57	25
7440-50-8	Copper	mg/kg	1	17	21.00	1000.00	234.41	98.00	306.23	0	NR	2500	Hydrock Derived		35	1000	240	920	300	170	34
7439-92-1	Lead	mg/kg	1	17	45.00	830.00	268.82	190.00	245.75	8	NR	200	C4SL - CL:AIRE 2014		170	120	210	420	730	270	57
7439-97-6	Mercury, inorganic	mg/kg	0.3	17	0.30	2.40	0.52	0.30	0.54	0	NR	40	Hydrock Derived		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
7440-02-0	Nickel	mg/kg	1	17	24.00	150.00	56.18	46.00	32.09	1	NR	130	Hydrock Derived		44	150	46	90	91	81	24
7782-49-2	Selenium	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived		<1	<1	<1	<1	<1	<1	<1
7440-62-2	Vanadium	mg/kg	1	17	36.00	140.00	82.88	78.00	29.27	0	NR	410	Hydrock Derived		140	130	61	84	93	110	50
7440-66-6	Zinc	mg/kg	1	17	110.00	6500.00	1050.00	340.00	1679.11	1	NR	3900	Hydrock Derived		240	540	2100	3700	340	1300	290
P1095	Cyanide (free)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020		<1	<1	<1	<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	38058	210	Hydrock Derived		<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	mg/kg	0.05	17	0.05	0.95	0.12	0.05	0.23	0	141	540	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.95
208-96-8	Acenaphthylene	mg/kg	0.05	17	0.05	0.58	0.08	0.05	0.13	0	212	440	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.58
120-12-7	Anthracene	mg/kg	0.05	17	0.05	3.70	0.34	0.05	0.89	0	2.91	5500	Hydrock Derived		<0.05	<0.05	0.62	<0.05	<0.05	<0.05	3.7
56-55-3	Benz(a)anthracene	mg/kg	0.05	17	0.05	12.00	1.26	0.39	2.84	1	4.28	12	Hydrock Derived		1.5	<0.05	1.6	<0.05	<0.05	0.6	12
50-32-8	Benzo(a)pyrene	mg/kg	0.05	17	0.05	8.50	0.99	0.39	2.00	1	2.28	5	C4SL - CL:AIRE 2014		1.3	<0.05	1.4	0.5	<0.05	0.49	8.5
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	17	0.05	9.70	1.16	0.49	2.28	1	3.04	3.3	Hydrock Derived		1.7	<0.05	1.7	0.64	<0.05	0.57	9.7
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	17	0.05	5.70	0.67	0.27	1.34	0	0.04	340	Hydrock Derived		1	<0.05	1	0.4	<0.05	0.39	5.7
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	17	0.05	4.60	0.54	0.26	1.07	0	1.72	93	Hydrock Derived		0.53	<0.05	0.51	0.27	<0.05	0.32	4.6
218-01-9	Chrysene	mg/kg	0.05	17	0.05	8.80	0.97	0.39	2.07	0	1.10	22	Hydrock Derived		1.2	<0.05	1.2	<0.05	<0.05	0.6	8.8
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	17	0.05	1.60	0.18	0.05	0.38	2	0.010	0.29	Hydrock Derived		0.27	<0.05	0.28	<0.05	<0.05	<0.05	1.6
206-44-0	Fluoranthene	mg/kg	0.05	17	0.05	21.00	2.19	0.92	4.92	0	47	560	Hydrock Derived		2	0.92	2.1	0.72	<0.05	1	21
86-73-7	Fluorene	mg/kg	0.05	17	0.05	1.60	0.15	0.05	0.38	0	77	420	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.6
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	17	0.05	5.20	0.61	0.24	1.23	0	0.15	36	Hydrock Derived		0.96	<0.05	0.93	0.35	<0.05	0.32	5.2
91-20-3	Naphthalene	mg/kg	0.05	17	0.05	0.05	0.05	0.05	0.00	0	183	30	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
85-01-8	Phenanthrene	mg/kg	0.05	17	0.05	11.00	1.14	0.35	2.61	0	90	220	Hydrock Derived		0.62	0.32	1.3	0.27	<0.05	0.64	11
129-00-0	Pyrene	mg/kg	0.05	17	0.05	17.00	1.90	0.79	3.97	0	5.5	1200	Hydrock Derived		1.9	0.93	2	0.66	<0.05	0.84	17

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 4.41

Scenario SOM% 2.5

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Date	18/08/21	19/08/21	19/08/21	18/08/21	17/08/21	20/08/21	20/08/21
														Zone	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
														Location	BH01	BH02	BH02	BH03	TP01	TP02	TP02
														Depth (m bgl)	2.5	3	1.5	1	1	0.8	1.5
														Strata	LF	LF	LF	LF	LF	LF	LF
-	**TPH fractions**																				
P1407	TPH ali EC05-EC06	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	558	78	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1408	TPH ali >EC06-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	322	230	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1409	TPH ali >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	190	65	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1410	TPH ali >EC10-EC12	mg/kg	1	12	1.00	1.80	1.09	1.00	0.24	0	118	330	Hydrock Derived		<1	N/A	N/A	N/A	<1	<1	1.8
P1411	TPH ali >EC12-EC16	mg/kg	2	12	2.00	15.00	4.38	2.00	4.16	0	59	2400	Hydrock Derived		6.7	N/A	N/A	N/A	<2	<2	15
P1938	TPH ali >EC16-EC35	mg/kg	10	12	10.00	970.00	170.42	46.00	279.75	0	21	92000	Hydrock Derived		970	N/A	N/A	N/A	51	41	320
P1415	TPH ali >EC35-EC44	mg/kg	8.4	12	8.40	340.00	60.83	14.00	96.88	0	21	92000	Hydrock Derived		340	N/A	N/A	N/A	17	24	87
P1441	TPH aro EC05-EC07	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	150	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1355	TPH aro >EC07-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	300	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1356	TPH aro >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1503	84	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
P1357	TPH aro >EC10-EC12	mg/kg	1	12	1.00	5.10	1.34	1.00	1.18	0	899	180	Hydrock Derived		<1	N/A	N/A	N/A	<1	<1	5.1
P1358	TPH aro >EC12-EC16	mg/kg	2	12	2.00	110.00	11.40	2.00	31.08	0	419	330	Hydrock Derived		<2	N/A	N/A	N/A	<2	6.8	110
P1359	TPH aro >EC16-EC21	mg/kg	10	12	10.00	600.00	64.42	11.00	169.10	1	134	540	Hydrock Derived		13	N/A	N/A	N/A	<10	53	600
P1360	TPH aro >EC21-EC35	mg/kg	10	12	10.00	620.00	120.25	53.00	183.25	0	12	1500	Hydrock Derived		340	N/A	N/A	N/A	32	110	620
P1362	TPH aro >EC35-EC44	mg/kg	8.4	12	8.40	230.00	48.49	12.95	70.61	0	12	1500	Hydrock Derived		230	N/A	N/A	N/A	16	30	150
-	**VOCs - BTEX & MTBE**																				
71-43-2	Benzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	0.41	C4SL - CL:AIRE 2014		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
108-88-3	Toluene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	300	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
100-41-4	Ethylbenzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1216	110	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
95-47-6	Xylene, o-	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1120	140	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
1330-20-7	Xylene, p- (use this for combined m & p)	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1353	130	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
1634-04-4	MTBE	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	33075	110	Hydrock Derived		<0.001	N/A	N/A	N/A	<0.001	<0.001	<0.001
	TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																	
														Aliphatics >EC5-EC6	1.282E-05				1.282E-05	1.282E-05	1.282E-05
														Aliphatics >EC6-EC8	4.348E-06				4.348E-06	4.348E-06	4.348E-06
														Aliphatics >EC8-EC10	1.538E-05				1.538E-05	1.538E-05	1.538E-05
													Considered additive	Aliphatics >EC10-EC12	0.0030303				0.0030303	0.0030303	0.0054545
														Aliphatics >EC12-EC16	0.0027917				0.0008333	0.0008333	0.00625
														Aliphatics >EC16-EC35	0.0105435				0.0005543	0.0004457	0.0034783
														Aliphatics >EC35-EC44	0.0036957				0.0001848	0.0002609	0.0009457
														Aromatics EC5-EC7	6.667E-06				6.667E-06	6.667E-06	6.667E-06
														Aromatics >EC7-EC8	3.333E-06				3.333E-06	3.333E-06	3.333E-06
														Aromatics >EC8-EC10	1.19E-05				1.19E-05	1.19E-05	1.19E-05
													Considered additive	Aromatics >EC10-EC12	0.0055556				0.0055556	0.0055556	0.0283333
														Aromatics >EC12-EC16	0.0060606				0.0060606	0.0206061	0.3333333
														Aromatics >EC16-EC21	0.0240741				0.0185185	0.0981481	1.1111111
													Considered additive	Aromatics >EC21-EC35	0.2266667				0.0213333	0.0733333	0.4133333
														Aromatics >EC35-EC44	0.1533333				0.0106667	0.02	0.1

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 4.41

Scenario SOM% 2.5

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Date	18/08/21	19/08/21	19/08/21	18/08/21	17/08/21	20/08/21	20/08/21
														Zone	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
														Location	BH01	BH02	BH02	BH03	TP01	TP02	TP02
														Depth (m bgl)	2.5	3	1.5	1	1	0.8	1.5
														Strata	LF	LF	LF	LF	LF	LF	LF
	Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													Hazard Index for ali>C8-C16	0.005837				0.003879	0.003879	0.01172
														Hazard Index for aro>C8-C16	0.011628				0.011628	0.026174	0.361679
														Hazard Index for aro>C16-C35	0.250741				0.039852	0.171481	1.524444

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	4.41
Scenario SOM%	2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	LF	20/08/21 Landfill TP02 2.5	20/08/21 Landfill TP03 2.3	20/08/21 Landfill TP04 0.5	20/08/21 Landfill TP05 0.5	20/08/21 Landfill TP05 2	20/08/21 Landfill TP05 1.3	20/08/21 Landfill TP06 0.7	20/08/21 Landfill TP07 2.7	18/08/21 Landfill WS03 1	18/08/21 Landfill WS05 2.9
Asbestos																							
Asbestos Identified	Y/N	Y/N	17	-	-	-	-	No. of detects:	3	-	-	-		N	N					N	N		N
Hydrock Default Suite - FOC / SOM / pH										-													
FOC (dimensionless)	[]	0.001	17	0.009	0.050	0.026	0.023	0.01		-	-	-		0.022	0.012					0.035	0.018		0.029
SOM (calculated)	%	0.1724	17	1.62	8.62	4.41	3.97	2.14		-	-	-		3.7928	2.0688					6.034	3.1032		4.9996
pH (su)	pH Units	0	17	7.30	8.80	7.94	7.90	0.37		-	-	-	*N/A*	8.1	8.8	*N/A*	*N/A*	*N/A*	8.6	7.8	*N/A*	7.7
Hydrock Default Suite - Metals & PAH																							
Arsenic	mg/kg	1	17	25.00	**85.00**	**55.47**	**49.00**	19.86	**14**	NR	37	C4SL - CL:AIRE 2014	*N/A*	77	49	*N/A*	*N/A*	*N/A*	66	72	*N/A*	40
Beryllium	mg/kg	0.06	17	1.20	**7.30**	**2.20**	1.60	1.45	**8**	NR	1.7	Hydrock Derived	*N/A*	2.3	2.5	*N/A*	*N/A*	*N/A*	1.5	1.9	*N/A*	1.2
Boron	mg/kg	0.2	17	0.90	17.00	7.10	6.60	5.27	0	NR	300	Hydrock Derived	*N/A*	4.4	2.6	*N/A*	*N/A*	*N/A*	1.2	7.1	*N/A*	3.9
Cadmium	mg/kg	0.2	17	0.20	22.00	2.32	0.20	5.29	**1**	NR	22	C4SL - CL:AIRE 2014	*N/A*	22	<0.2	*N/A*	*N/A*	*N/A*	<0.2	<0.2	*N/A*	<0.2
Chromium (III)	mg/kg	1	17	25.00	75.00	51.94	55.00	13.30	0	NR	890	Hydrock Derived	*N/A*	55	43	*N/A*	*N/A*	*N/A*	56	55	*N/A*	41
Chromium (VI)	mg/kg	1.2	17	1.20	1.20	1.20	1.20	0.00	0	NR	21	C4SL - CL:AIRE 2014	*N/A*	<1.2	<1.2	*N/A*	*N/A*	*N/A*	<1.2	<1.2	*N/A*	<1.2
Chromium (Total)	mg/kg	1	17	25.00	75.00	52.12	55.00	13.30			-		*N/A*	55	44	*N/A*	*N/A*	*N/A*	56	55	*N/A*	41
Copper	mg/kg	1	17	21.00	1000.00	234.41	98.00	306.23	0	NR	2500	Hydrock Derived	*N/A*	81	190	*N/A*	*N/A*	*N/A*	40	42	*N/A*	570
Lead	mg/kg	1	17	45.00	**830.00**	**268.82**	190.00	245.75	**8**	NR	200	C4SL - CL:AIRE 2014	*N/A*	190	830	*N/A*	*N/A*	*N/A*	73	83	*N/A*	60
Mercury, inorganic	mg/kg	0.3	17	0.30	2.40	0.52	0.30	0.54	0	NR	40	Hydrock Derived	*N/A*	<0.3	<0.3	*N/A*	*N/A*	*N/A*	2.4	<0.3	*N/A*	<0.3
Nickel	mg/kg	1	17	24.00	**150.00**	56.18	46.00	32.09	**1**	NR	130	Hydrock Derived	*N/A*	55	57	*N/A*	*N/A*	*N/A*	36	44	*N/A*	33
Selenium	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	*N/A*	<1	<1	*N/A*	*N/A*	*N/A*	<1	<1	*N/A*	<1
Vanadium	mg/kg	1	17	36.00	140.00	82.88	78.00	29.27	0	NR	410	Hydrock Derived	*N/A*	95	77	*N/A*	*N/A*	*N/A*	110	100	*N/A*	70
Zinc	mg/kg	1	17	110.00	**6500.00**	1050.00	340.00	1679.11	**1**	NR	3900	Hydrock Derived	*N/A*	6500	660	*N/A*	*N/A*	*N/A*	210	210	*N/A*	130
Cyanide (free)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	*N/A*	<1	<1	*N/A*	*N/A*	*N/A*	<1	<1	*N/A*	<1
Total Phenols (Monohydric)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	38058	210	Hydrock Derived	*N/A*	<1	<1	*N/A*	*N/A*	*N/A*	<1	<1	*N/A*	<1
Acenaphthene	mg/kg	0.05	17	0.05	0.95	0.12	0.05	0.23	0	141	540	Hydrock Derived	*N/A*	<0.05	<0.05	*N/A*	*N/A*	*N/A*	<0.05	<0.05	*N/A*	<0.05
Acenaphthylene	mg/kg	0.05	17	0.05	0.58	0.08	0.05	0.13	0	212	440	Hydrock Derived	*N/A*	<0.05	<0.05	*N/A*	*N/A*	*N/A*	<0.05	<0.05	*N/A*	<0.05
Anthracene	mg/kg	0.05	17	0.05	3.70	0.34	0.05	0.89	0	2.91	5500	Hydrock Derived	*N/A*	0.22	<0.05	*N/A*	*N/A*	*N/A*	0.67	<0.05	*N/A*	<0.05
Benz(a)anthracene	mg/kg	0.05	17	0.05	12.00	1.26	0.39	2.84	**1**	4.28	12	Hydrock Derived	*N/A*	1	<0.05	*N/A*	*N/A*	*N/A*	1.7	<0.05	*N/A*	0.39
Benzo(a)pyrene	mg/kg	0.05	17	0.05	**8.50**	0.99	0.39	2.00	**1**	2.28	5	C4SL - CL:AIRE 2014	*N/A*	0.84	<0.05	*N/A*	*N/A*	*N/A*	1.3	<0.05	*N/A*	0.3
Benzo(b)fluoranthene	mg/kg	0.05	17	0.05	**9.70**	1.16	0.49	2.28	**1**	3.04	3.3	Hydrock Derived	*N/A*	0.9	<0.05	*N/A*	*N/A*	*N/A*	1.5	<0.05	*N/A*	0.38
Benzo(ghi)perylene	mg/kg	0.05	17	0.05	5.70	0.67	0.27	1.34	0	0.04	340	Hydrock Derived	*N/A*	0.63	<0.05	*N/A*	*N/A*	*N/A*	0.83	<0.05	*N/A*	0.27
Benzo(k)fluoranthene	mg/kg	0.05	17	0.05	4.60	0.54	0.26	1.07	0	1.72	93	Hydrock Derived	*N/A*	0.53	<0.05	*N/A*	*N/A*	*N/A*	0.68	<0.05	*N/A*	0.21
Chrysene	mg/kg	0.05	17	0.05	8.80	0.97	0.39	2.07	0	1.10	22	Hydrock Derived	*N/A*	0.89	<0.05	*N/A*	*N/A*	*N/A*	1.4	<0.05	*N/A*	0.38
Dibenz(ah)anthracene	mg/kg	0.05	17	0.05	**1.60**	0.18	0.05	0.38	**2**	0.010	0.29	Hydrock Derived	*N/A*	<0.05	<0.05	*N/A*	*N/A*	*N/A*	0.29	<0.05	*N/A*	<0.05
Fluoranthene	mg/kg	0.05	17	0.05	21.00	2.19	0.92	4.92	0	47	560	Hydrock Derived	*N/A*	1.5	<0.05	*N/A*	*N/A*	*N/A*	3	<0.05	*N/A*	0.92
Fluorene	mg/kg	0.05	17	0.05	1.60	0.15	0.05	0.38	0	77	420	Hydrock Derived	*N/A*	<0.05	<0.05	*N/A*	*N/A*	*N/A*	<0.05	<0.05	*N/A*	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	17	0.05	5.20	0.61	0.24	1.23	0	0.15	36	Hydrock Derived	*N/A*	0.55	<0.05	*N/A*	*N/A*	*N/A*	0.77	<0.05	*N/A*	0.24
Naphthalene	mg/kg	0.05	17	0.05	0.05	0.05	0.05	0.00	0	183	30	Hydrock Derived	*N/A*	<0.05	<0.05	*N/A*	*N/A*	*N/A*	<0.05	<0.05	*N/A*	<0.05
Phenanthrene	mg/kg	0.05	17	0.05	11.00	1.14	0.35	2.61	0	90	220	Hydrock Derived	*N/A*	0.66	<0.05	*N/A*	*N/A*	*N/A*	2.3	<0.05	*N/A*	0.91
Pyrene	mg/kg	0.05	17	0.05	17.00	1.90	0.79	3.97	0	5.5	1200	Hydrock Derived	*N/A*	1.4	<0.05	*N/A*	*N/A*	*N/A*	2.6	<0.05	*N/A*	0.79

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 4.41

Scenario SOM% 2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	20/08/21 Landfill TP02 2.5 LF	20/08/21 Landfill TP03 2.3 LF	20/08/21 Landfill TP04 0.5 LF	20/08/21 Landfill TP05 0.5 LF	20/08/21 Landfill TP05 2 LF	20/08/21 Landfill TP05 1.3 LF	20/08/21 Landfill TP06 0.7 LF	20/08/21 Landfill TP07 2.7 LF	18/08/21 Landfill WS03 1 LF	18/08/21 Landfill WS05 2.9 LF
TPH fractions																						
TPH ali EC05-EC06	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	558	78	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH ali >EC06-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	322	230	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH ali >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	190	65	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH ali >EC10-EC12	mg/kg	1	12	1.00	1.80	1.09	1.00	0.24	0	118	330	Hydrock Derived	<1	N/A	<1	<1	1.3	N/A	N/A	N/A	<1	N/A
TPH ali >EC12-EC16	mg/kg	2	12	2.00	15.00	4.38	2.00	4.16	0	59	2400	Hydrock Derived	<2	N/A	<2	5.3	9.5	N/A	N/A	N/A	<2	N/A
TPH ali >EC16-EC35	mg/kg	10	12	10.00	970.00	170.42	46.00	279.75	0	21	92000	Hydrock Derived	<10	N/A	<10	220	330	N/A	N/A	N/A	<10	N/A
TPH ali >EC35-EC44	mg/kg	8.4	12	8.40	340.00	60.83	14.00	96.88	0	21	92000	Hydrock Derived	<8.4	N/A	<8.4	79	130	N/A	N/A	N/A	<8.4	N/A
TPH aro EC05-EC07	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	150	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH aro >EC07-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	300	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH aro >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1503	84	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH aro >EC10-EC12	mg/kg	1	12	1.00	5.10	1.34	1.00	1.18	0	899	180	Hydrock Derived	<1	N/A	<1	<1	<1	N/A	N/A	N/A	<1	N/A
TPH aro >EC12-EC16	mg/kg	2	12	2.00	110.00	11.40	2.00	31.08	0	419	330	Hydrock Derived	<2	N/A	<2	<2	<2	N/A	N/A	N/A	<2	N/A
TPH aro >EC16-EC21	mg/kg	10	12	10.00	600.00	64.42	11.00	169.10	1	134	540	Hydrock Derived	<10	N/A	<10	18	12	N/A	N/A	N/A	<10	N/A
TPH aro >EC21-EC35	mg/kg	10	12	10.00	620.00	120.25	53.00	183.25	0	12	1500	Hydrock Derived	<10	N/A	<10	97	120	N/A	N/A	N/A	<10	N/A
TPH aro >EC35-EC44	mg/kg	8.4	12	8.40	230.00	48.49	12.95	70.61	0	12	1500	Hydrock Derived	<8.4	N/A	<8.4	34	70	N/A	N/A	N/A	<8.4	N/A
VOCs - BTEX & MTBE																						
Benzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	0.41	C4SL - CL:AIRE 2014	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
Toluene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	300	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
Ethylbenzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1216	110	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
Xylene, o-	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1120	140	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
Xylene, p- (use this for combined m & p)	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1353	130	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
MTBE	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	33075	110	Hydrock Derived	<0.001	N/A	<0.001	<0.001	<0.001	N/A	N/A	N/A	<0.001	N/A
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**																			
													1.282E-05		1.282E-05	1.282E-05	1.282E-05				1.282E-05	
													4.348E-06		4.348E-06	4.348E-06	4.348E-06				4.348E-06	
													1.538E-05		1.538E-05	1.538E-05	1.538E-05				1.538E-05	
												Considered additive	A 0.0030303		0.0030303	0.0030303	0.0039394				0.0030303	
													A 0.0008333		0.0008333	0.0022083	0.0039583				0.0008333	
													A 0.0001087		0.0001087	0.0023913	0.003587				0.0001087	
													A 9.13E-05		9.13E-05	0.0008587	0.001413				9.13E-05	
													6.667E-06		6.667E-06	6.667E-06	6.667E-06				6.667E-06	
													3.333E-06		3.333E-06	3.333E-06	3.333E-06				3.333E-06	
													1.19E-05		1.19E-05	1.19E-05	1.19E-05				1.19E-05	
												Considered additive	A 0.0055556		0.0055556	0.0055556	0.0055556				0.0055556	
													A 0.0060606		0.0060606	0.0060606	0.0060606				0.0060606	
													A 0.0185185		0.0185185	0.0333333	0.0222222				0.0185185	
												Considered additive	A 0.0066667		0.0066667	0.0646667	0.08				0.0066667	
													A 0.0056		0.0056	0.0226667	0.0466667				0.0056	

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	4.41
Scenario SOM%	2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	18/08/21	18/08/21
													Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
													TP02	TP03	TP04	TP05	TP05	TP05	TP06	TP07	WS03	WS05
													2.5	2.3	0.5	0.5	2	1.3	0.7	2.7	1	2.9
													LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.												Hazard I	0.003879		0.003879	0.005254	0.007913				0.003879	
												Hazard In	0.011628		0.011628	0.011628	0.011628				0.011628	
												Hazard Ind	0.025185		0.025185	0.098	0.102222				0.025185	

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
***Y**	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	4.41
Scenario SOM%	2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	19/08/21 Landfill WS06 1.8 LF	19/08/21 Landfill WS07 2.3 LF	19/08/21 Landfill WS08 3.4 LF	19/08/21 Landfill WS09 2.5 LF	19/08/21 Landfill WS09 3 LF	19/08/21 Landfill WS10 0.6 LF
Asbestos																		
Asbestos Identified	Y/N	Y/N	17	-	-	-	-	No. of detects:	3	-	-	-	N	N		N	Y	Y
Hydrock Default Suite - FOC / SOM / pH										-								
FOC (dimensionless)	[]	0.001	17	0.009	0.050	0.026	0.023	0.01		-	-	-	0.05	0.043		0.0094	0.011	0.018
SOM (calculated)	%	0.1724	17	1.62	8.62	4.41	3.97	2.14		-	-	-	8.62	7.4132		1.62056	1.8964	3.1032
pH (su)	pH Units	0	17	7.30	8.80	7.94	7.90	0.37		-	-	-	7.7	7.7	N/A	7.5	7.7	8.1
Hydrock Default Suite - Metals & PAH																		
Arsenic	mg/kg	1	17	25.00	85.00	55.47	49.00	19.86	14	NR	37	C4SL - CL:AIRE 2014	25	34	N/A	48	45	47
Beryllium	mg/kg	0.06	17	1.20	7.30	2.20	1.60	1.45	8	NR	1.7	Hydrock Derived	1.6	1.4	N/A	1.4	1.3	1.5
Boron	mg/kg	0.2	17	0.90	17.00	7.10	6.60	5.27	0	NR	300	Hydrock Derived	12	16	N/A	2.9	6.7	0.9
Cadmium	mg/kg	0.2	17	0.20	22.00	2.32	0.20	5.29	1	NR	22	C4SL - CL:AIRE 2014	2.6	<0.2	N/A	<0.2	<0.2	<0.2
Chromium (III)	mg/kg	1	17	25.00	75.00	51.94	55.00	13.30	0	NR	890	Hydrock Derived	67	56	N/A	43	39	34
Chromium (VI)	mg/kg	1.2	17	1.20	1.20	1.20	1.20	0.00	0	NR	21	C4SL - CL:AIRE 2014	<1.2	<1.2	N/A	<1.2	<1.2	<1.2
Chromium (Total)	mg/kg	1	17	25.00	75.00	52.12	55.00	13.30			-		67	56	N/A	43	39	34
Copper	mg/kg	1	17	21.00	1000.00	234.41	98.00	306.23	0	NR	2500	Hydrock Derived	150	73	N/A	21	21	98
Lead	mg/kg	1	17	45.00	830.00	268.82	190.00	245.75	8	NR	200	C4SL - CL:AIRE 2014	370	600	N/A	45	62	280
Mercury, inorganic	mg/kg	0.3	17	0.30	2.40	0.52	0.30	0.54	0	NR	40	Hydrock Derived	1	0.5	N/A	<0.3	<0.3	1
Nickel	mg/kg	1	17	24.00	150.00	56.18	46.00	32.09	1	NR	130	Hydrock Derived	63	55	N/A	29	27	30
Selenium	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived	<1	<1	N/A	<1	<1	<1
Vanadium	mg/kg	1	17	36.00	140.00	82.88	78.00	29.27	0	NR	410	Hydrock Derived	36	44	N/A	78	73	58
Zinc	mg/kg	1	17	110.00	6500.00	1050.00	340.00	1679.11	1	NR	3900	Hydrock Derived	560	280	N/A	110	130	550
Cyanide (free)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020	<1	<1	N/A	<1	<1	<1
Total Phenols (Monohydric)	mg/kg	1	17	1.00	1.00	1.00	1.00	0.00	0	38058	210	Hydrock Derived	<1	<1	N/A	<1	<1	<1
Acenaphthene	mg/kg	0.05	17	0.05	0.95	0.12	0.05	0.23	0	141	540	Hydrock Derived	0.4	<0.05	N/A	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	0.05	17	0.05	0.58	0.08	0.05	0.13	0	212	440	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	<0.05
Anthracene	mg/kg	0.05	17	0.05	3.70	0.34	0.05	0.89	0	2.91	5500	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	<0.05
Benz(a)anthracene	mg/kg	0.05	17	0.05	12.00	1.26	0.39	2.84	1	4.28	12	Hydrock Derived	<0.05	0.39	N/A	<0.05	0.44	1.4
Benzo(a)pyrene	mg/kg	0.05	17	0.05	8.50	0.99	0.39	2.00	1	2.28	5	C4SL - CL:AIRE 2014	<0.05	0.33	N/A	<0.05	0.39	1.2
Benzo(b)fluoranthene	mg/kg	0.05	17	0.05	9.70	1.16	0.49	2.28	1	3.04	3.3	Hydrock Derived	<0.05	0.36	N/A	<0.05	0.49	1.4
Benzo(ghi)perylene	mg/kg	0.05	17	0.05	5.70	0.67	0.27	1.34	0	0.04	340	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	0.77
Benzo(k)fluoranthene	mg/kg	0.05	17	0.05	4.60	0.54	0.26	1.07	0	1.72	93	Hydrock Derived	<0.05	0.26	N/A	<0.05	0.2	0.75
Chrysene	mg/kg	0.05	17	0.05	8.80	0.97	0.39	2.07	0	1.10	22	Hydrock Derived	<0.05	0.39	N/A	<0.05	0.41	0.94
Dibenz(ah)anthracene	mg/kg	0.05	17	0.05	1.60	0.18	0.05	0.38	2	0.010	0.29	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	<0.05
Fluoranthene	mg/kg	0.05	17	0.05	21.00	2.19	0.92	4.92	0	47	560	Hydrock Derived	0.64	0.72	N/A	<0.05	0.52	2
Fluorene	mg/kg	0.05	17	0.05	1.60	0.15	0.05	0.38	0	77	420	Hydrock Derived	0.2	<0.05	N/A	<0.05	<0.05	<0.05
Indeno(123cd)pyrene	mg/kg	0.05	17	0.05	5.20	0.61	0.24	1.23	0	0.15	36	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	0.67
Naphthalene	mg/kg	0.05	17	0.05	0.05	0.05	0.05	0.00	0	183	30	Hydrock Derived	<0.05	<0.05	N/A	<0.05	<0.05	<0.05
Phenanthrene	mg/kg	0.05	17	0.05	11.00	1.14	0.35	2.61	0	90	220	Hydrock Derived	0.35	<0.05	N/A	<0.05	<0.05	0.66
Pyrene	mg/kg	0.05	17	0.05	17.00	1.90	0.79	3.97	0	5.5	1200	Hydrock Derived	0.72	0.67	N/A	<0.05	0.55	2

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 4.41

Scenario SOM% 2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	19/08/21 Landfill WS06 1.8 LF	19/08/21 Landfill WS07 2.3 LF	19/08/21 Landfill WS08 3.4 LF	19/08/21 Landfill WS09 2.5 LF	19/08/21 Landfill WS09 3 LF	19/08/21 Landfill WS10 0.6 LF
TPH fractions																		
TPH ali EC05-EC06	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	558	78	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH ali >EC06-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	322	230	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH ali >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.000	0	190	65	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH ali >EC10-EC12	mg/kg	1	12	1.00	1.80	1.09	1.00	0.24	0	118	330	Hydrock Derived	<1	<1	N/A	<1	N/A	
TPH ali >EC12-EC16	mg/kg	2	12	2.00	15.00	4.38	2.00	4.16	0	59	2400	Hydrock Derived	<2	<2	N/A	<2	N/A	
TPH ali >EC16-EC35	mg/kg	10	12	10.00	970.00	170.42	46.00	279.75	0	21	92000	Hydrock Derived	63	<10	N/A	<10	N/A	
TPH ali >EC35-EC44	mg/kg	8.4	12	8.40	340.00	60.83	14.00	96.88	0	21	92000	Hydrock Derived	11	<8.4	N/A	<8.4	N/A	
TPH aro EC05-EC07	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	150	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH aro >EC07-EC08	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	300	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH aro >EC08-EC10	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1503	84	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH aro >EC10-EC12	mg/kg	1	12	1.00	5.10	1.34	1.00	1.18	0	899	180	Hydrock Derived	<1	<1	N/A	<1	N/A	
TPH aro >EC12-EC16	mg/kg	2	12	2.00	110.00	11.40	2.00	31.08	0	419	330	Hydrock Derived	<2	<2	N/A	<2	N/A	
TPH aro >EC16-EC21	mg/kg	10	12	10.00	600.00	64.42	11.00	169.10	1	134	540	Hydrock Derived	17	<10	N/A	<10	N/A	
TPH aro >EC21-EC35	mg/kg	10	12	10.00	620.00	120.25	53.00	183.25	0	12	1500	Hydrock Derived	74	<10	N/A	<10	N/A	
TPH aro >EC35-EC44	mg/kg	8.4	12	8.40	230.00	48.49	12.95	70.61	0	12	1500	Hydrock Derived	9.9	<8.4	N/A	<8.4	N/A	
VOCs - BTEX & MTBE																		
Benzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	2265	0.41	C4SL - CL:AIRE 2014	<0.001	<0.001	N/A	<0.001	N/A	
Toluene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1916	300	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
Ethylbenzene	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1216	110	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
Xylene, o-	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1120	140	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
Xylene, p- (use this for combined m & p)	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	1353	130	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
MTBE	mg/kg	0.001	12	0.00	0.00	0.00	0.00	0.00	0	33075	110	Hydrock Derived	<0.001	<0.001	N/A	<0.001	N/A	
TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**															
													1.282E-05	1.282E-05		1.282E-05		
													4.348E-06	4.348E-06		4.348E-06		
													1.538E-05	1.538E-05		1.538E-05		
												Considered additive	A 0.0030303	0.0030303		0.0030303		
													A 0.0008333	0.0008333		0.0008333		
													A 0.0006848	0.0001087		0.0001087		
													A 0.0001196	9.13E-05		9.13E-05		
													6.667E-06	6.667E-06		6.667E-06		
													3.333E-06	3.333E-06		3.333E-06		
													1.19E-05	1.19E-05		1.19E-05		
												Considered additive	A 0.0055556	0.0055556		0.0055556		
													A 0.0060606	0.0060606		0.0060606		
													A 0.0314815	0.0185185		0.0185185		
												Considered additive	A 0.0493333	0.0066667		0.0066667		
													A 0.0066	0.0056		0.0056		

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	4.41
Scenario SOM%	2.5

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	19/08/21 Landfill WS06 1.8 LF	19/08/21 Landfill WS07 2.3 LF	19/08/21 Landfill WS08 3.4 LF	19/08/21 Landfill WS09 2.5 LF	19/08/21 Landfill WS09 3 LF	19/08/21 Landfill WS10 0.6 LF
Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.												Hazard I	0.003879	0.003879		0.003879		
												Hazard In	0.011628	0.011628		0.011628		
												Hazard Ind	0.080815	0.025185		0.025185		

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	MG-TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	5.73
Scenario SOM%	2.5

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Strata	20/08/21	18/08/21	18/08/21	19/08/21
														Date				
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP07	WS01	WS02	WS10
														Depth (m bgl)	0.1	0.1	0.2	0.2
-	**Asbestos**																	
P1020	Asbestos Identified	Y/N	Y/N	4	-	-	-	-	No. of detects:	0	-	-	-		N	N	N	N
-	**Hydrock Default Suite - FOC / SOM / pH**										-							
P1085	FOC (dimensionless)	[]	0.001	4	0.016	0.052	0.033	0.033	0.01		-	-	-		0.032	0.033	0.052	0.016
-	SOM (calculated)	%	0.1724	4	2.76	8.96	5.73	5.60	2.54		-	-	-		5.5168	5.6892	8.9648	2.7584
P1334	pH (su)	pH Units	0	4	7.90	8.10	8.03	8.05	0.10		-	-	-		8	8.1	8.1	7.9
-	**Hydrock Default Suite - Metals & PAH**																	
7440-38-2	Arsenic	mg/kg	1	4	21.00	75.00	39.25	30.50	24.25	0	NR	79	C4SL - CL:AIRE 2014		75	21	30	31
7440-41-7	Beryllium	mg/kg	0.06	4	0.06	8.20	2.99	1.85	3.57	1	NR	2.2	Hydrock Derived		8.2	1.9	1.8	<0.06
7440-42-8	Boron	mg/kg	0.2	4	1.20	3.30	2.15	2.05	0.97	0	NR	21000	Hydrock Derived		3.3	2.6	1.5	1.2
7440-43-9	Cadmium	mg/kg	0.2	4	0.20	0.20	0.20	0.20	0.00	0	NR	220	C4SL - CL:AIRE 2014		<0.2	<0.2	<0.2	<0.2
16065-83-1	Chromium (III)	mg/kg	1	4	1.00	72.00	35.25	34.00	29.31	0	NR	1500	Hydrock Derived		72	29	39	<1
18540-29-9	Chromium (VI)	mg/kg	1.2	4	1.20	1.20	1.20	1.20	0.00	0	NR	23	C4SL - CL:AIRE 2014		<1.2	<1.2	<1.2	<1.2
7440-47-3	Chromium (Total)	mg/kg	1	4	1.00	72.00	35.50	34.50	29.35			-			72	29	40	<1
7440-50-8	Copper	mg/kg	1	4	1.00	780.00	221.00	51.50	373.92	0	NR	12000	Hydrock Derived		780	28	75	<1
7439-92-1	Lead	mg/kg	1	4	31.00	430.00	202.50	174.50	187.08	0	NR	630	C4SL - CL:AIRE 2014		430	69	280	31
7439-97-6	Mercury, inorganic	mg/kg	0.3	4	0.30	0.50	0.35	0.30	0.10	0	NR	120	Hydrock Derived		0.5	<0.3	<0.3	<0.3
7440-02-0	Nickel	mg/kg	1	4	19.00	88.00	47.50	41.50	34.34	0	NR	230	Hydrock Derived		88	19	64	19
7782-49-2	Selenium	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	NR	1100	Hydrock Derived		<1	<1	<1	<1
7440-62-2	Vanadium	mg/kg	1	4	47.00	160.00	84.75	66.00	52.61	0	NR	2000	Hydrock Derived		160	50	82	47
7440-66-6	Zinc	mg/kg	1	4	1.00	570.00	250.25	215.00	241.73	0	NR	81000	Hydrock Derived		570	150	280	<1
P1095	Cyanide (free)	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020		<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	38058	690	Hydrock Derived		<1	<1	<1	<1
83-32-9	Acenaphthene	mg/kg	0.05	4	0.05	0.26	0.10	0.05	0.11	0	141	15000	Hydrock Derived		<0.05	<0.05	0.26	<0.05
208-96-8	Acenaphthylene	mg/kg	0.05	4	0.05	1.10	0.31	0.05	0.53	0	212	15000	Hydrock Derived		<0.05	<0.05	1.1	<0.05
120-12-7	Anthracene	mg/kg	0.05	4	0.05	1.40	0.39	0.05	0.68	0	2.91	74000	Hydrock Derived		<0.05	<0.05	1.4	<0.05
56-55-3	Benz(a)anthracene	mg/kg	0.05	4	0.05	2.70	0.92	0.47	1.21	0	4.28	29	Hydrock Derived		<0.05	0.61	2.7	0.33
50-32-8	Benzo(a)pyrene	mg/kg	0.05	4	0.05	4.90	1.46	0.45	2.31	0	2.28	10	C4SL - CL:AIRE 2014		<0.05	0.62	4.9	0.27
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	4	0.05	5.50	1.69	0.60	2.56	0	3.04	7.2	Hydrock Derived		<0.05	0.75	5.5	0.44
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	4	0.05	8.90	2.40	0.33	4.34	0	0.04	640	Hydrock Derived		<0.05	0.61	8.9	<0.05
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	4	0.05	1.40	0.52	0.31	0.60	0	1.72	190	Hydrock Derived		<0.05	0.33	1.4	0.29
218-01-9	Chrysene	mg/kg	0.05	4	0.05	2.20	0.81	0.50	0.95	0	1.10	57	Hydrock Derived		<0.05	0.6	2.2	0.39
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	4	0.05	1.40	0.39	0.05	0.68	1	0.010	0.57	Hydrock Derived		<0.05	<0.05	1.4	<0.05
206-44-0	Fluoranthene	mg/kg	0.05	4	0.05	3.90	1.34	0.71	1.74	0	47	3100	Hydrock Derived		<0.05	0.94	3.9	0.47
86-73-7	Fluorene	mg/kg	0.05	4	0.05	0.31	0.12	0.05	0.13	0	77	9900	Hydrock Derived		<0.05	<0.05	0.31	<0.05
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	4	0.05	6.20	1.71	0.29	3.00	0	0.15	82	Hydrock Derived		<0.05	0.53	6.2	<0.05
91-20-3	Naphthalene	mg/kg	0.05	4	0.05	0.05	0.05	0.05	0.00	0	183	4100	Hydrock Derived		<0.05	<0.05	<0.05	<0.05
85-01-8	Phenanthrene	mg/kg	0.05	4	0.05	2.00	0.60	0.17	0.94	0	90	3100	Hydrock Derived		<0.05	0.29	2	<0.05
129-00-0	Pyrene	mg/kg	0.05	4	0.05	3.60	1.27	0.72	1.59	0	5.5	7400	Hydrock Derived		<0.05	0.9	3.6	0.53

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	MG-TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	5.73
Scenario SOM%	2.5

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Date	20/08/21	18/08/21	18/08/21	19/08/21
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP07	WS01	WS02	WS10
														Depth (m bgl)	0.1	0.1	0.2	0.2
														Strata	MG-TS	MG-TS	MG-TS	MG-TS
-	**TPH fractions**																	
P1407	TPH ali EC05-EC06	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	558	590000	Hydrock Derived		<0.001	N/A	N/A	N/A
P1408	TPH ali >EC06-EC08	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	322	610000	Hydrock Derived		<0.001	N/A	N/A	N/A
P1409	TPH ali >EC08-EC10	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	190	13000	Hydrock Derived		<0.001	N/A	N/A	N/A
P1410	TPH ali >EC10-EC12	mg/kg	1	1	1.00	1.00	1.00	1.00	-	0	118	13000	Hydrock Derived		<1	N/A	N/A	N/A
P1411	TPH ali >EC12-EC16	mg/kg	2	1	2.00	2.00	2.00	2.00	-	0	59	13000	Hydrock Derived		<2	N/A	N/A	N/A
P1938	TPH ali >EC16-EC35	mg/kg	10	1	10.00	10.00	10.00	10.00	-	0	21	250000	Hydrock Derived		<10	N/A	N/A	N/A
P1415	TPH ali >EC35-EC44	mg/kg	8.4	1	8.40	8.40	8.40	8.40	-	0	21	250000	Hydrock Derived		<8.4	N/A	N/A	N/A
P1441	TPH aro EC05-EC07	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	2265	56000	Hydrock Derived		<0.001	N/A	N/A	N/A
P1355	TPH aro >EC07-EC08	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1916	56000	Hydrock Derived		<0.001	N/A	N/A	N/A
P1356	TPH aro >EC08-EC10	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1503	5000	Hydrock Derived		<0.001	N/A	N/A	N/A
P1357	TPH aro >EC10-EC12	mg/kg	1	1	1.00	1.00	1.00	1.00	-	0	899	5000	Hydrock Derived		<1	N/A	N/A	N/A
P1358	TPH aro >EC12-EC16	mg/kg	2	1	2.00	2.00	2.00	2.00	-	0	419	5000	Hydrock Derived		<2	N/A	N/A	N/A
P1359	TPH aro >EC16-EC21	mg/kg	10	1	10.00	10.00	10.00	10.00	-	0	134	3800	Hydrock Derived		<10	N/A	N/A	N/A
P1360	TPH aro >EC21-EC35	mg/kg	10	1	10.00	10.00	10.00	10.00	-	0	12	3800	Hydrock Derived		<10	N/A	N/A	N/A
P1362	TPH aro >EC35-EC44	mg/kg	8.4	1	8.40	8.40	8.40	8.40	-	0	12	3800	Hydrock Derived		<8.4	N/A	N/A	N/A
-	**VOCs - BTEX & MTBE**																	
71-43-2	Benzene	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	2265	140	C4SL - CL:AIRE 2014		<0.001	N/A	N/A	N/A
108-88-3	Toluene	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1916	56000	Hydrock Derived		<0.001	N/A	N/A	N/A
100-41-4	Ethylbenzene	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1216	24000	Hydrock Derived		<0.001	N/A	N/A	N/A
95-47-6	Xylene, o-	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1120	42000	Hydrock Derived		<0.001	N/A	N/A	N/A
1330-20-7	Xylene, p- (use this for combined m & p)	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1353	42000	Hydrock Derived		<0.001	N/A	N/A	N/A
1634-04-4	MTBE	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	33075	75000	Hydrock Derived		<0.001	N/A	N/A	N/A
	TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**														
														Aliphatics >EC5-EC6	1.695E-09			
														Aliphatics >EC6-EC8	1.639E-09			
														Aliphatics >EC8-EC10	7.692E-08			
													Considered additive	Aliphatics >EC10-EC12	7.692E-05			
														Aliphatics >EC12-EC16	0.0001538			
														Aliphatics >EC16-EC35	0.00004			
														Aliphatics >EC35-EC44	0.0000336			
														Aromatics EC5-EC7	1.786E-08			
														Aromatics >EC7-EC8	1.786E-08			
														Aromatics >EC8-EC10	0.0000002			
													Considered additive	Aromatics >EC10-EC12	0.0002			
														Aromatics >EC12-EC16	0.0004			
														Aromatics >EC16-EC21	0.0026316			
													Considered additive	Aromatics >EC21-EC35	0.0026316			
														Aromatics >EC35-EC44	0.0022105			

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	MG-TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	5.73
Scenario SOM%	2.5

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Date	20/08/21	18/08/21	18/08/21	19/08/21
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP07	WS01	WS02	WS10
														Depth (m bgl)	0.1	0.1	0.2	0.2
														Strata	MG-TS	MG-TS	MG-TS	MG-TS
	Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													Hazard Index for ali>C8-C16	0.000231			
														Hazard Index for aro>C8-C16	0.0006			
														Hazard Index for aro>C16-C35	0.005263			

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	MG-TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	5.73
Scenario SOM%	2.5

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Strata	20/08/21	18/08/21	18/08/21	19/08/21
														Date				
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP07	WS01	WS02	WS10
														Depth (m bgl)	0.1	0.1	0.2	0.2
-	**Asbestos**																	
P1020	Asbestos Identified	Y/N	Y/N	4	-	-	-	-	No. of detects:	0	-	-	-		N	N	N	N
-	**Hydrock Default Suite - FOC / SOM / pH**										-							
P1085	FOC (dimensionless)	[]	0.001	4	0.016	0.052	0.033	0.033	0.01		-	-	-		0.032	0.033	0.052	0.016
-	SOM (calculated)	%	0.1724	4	2.76	8.96	5.73	5.60	2.54		-	-	-		5.5168	5.6892	8.9648	2.7584
P1334	pH (su)	pH Units	0	4	7.90	8.10	8.03	8.05	0.10		-	-	-		8	8.1	8.1	7.9
-	**Hydrock Default Suite - Metals & PAH**																	
7440-38-2	Arsenic	mg/kg	1	4	21.00	75.00	39.25	30.50	24.25	1	NR	37	C4SL - CL:AIRE 2014		75	21	30	31
7440-41-7	Beryllium	mg/kg	0.06	4	0.06	8.20	2.99	1.85	3.57	3	NR	1.7	Hydrock Derived		8.2	1.9	1.8	<0.06
7440-42-8	Boron	mg/kg	0.2	4	1.20	3.30	2.15	2.05	0.97	0	NR	300	Hydrock Derived		3.3	2.6	1.5	1.2
7440-43-9	Cadmium	mg/kg	0.2	4	0.20	0.20	0.20	0.20	0.00	0	NR	22	C4SL - CL:AIRE 2014		<0.2	<0.2	<0.2	<0.2
16065-83-1	Chromium (III)	mg/kg	1	4	1.00	72.00	35.25	34.00	29.31	0	NR	890	Hydrock Derived		72	29	39	<1
18540-29-9	Chromium (VI)	mg/kg	1.2	4	1.20	1.20	1.20	1.20	0.00	0	NR	21	C4SL - CL:AIRE 2014		<1.2	<1.2	<1.2	<1.2
7440-47-3	Chromium (Total)	mg/kg	1	4	1.00	72.00	35.50	34.50	29.35			-			72	29	40	<1
7440-50-8	Copper	mg/kg	1	4	1.00	780.00	221.00	51.50	373.92	0	NR	2500	Hydrock Derived		780	28	75	<1
7439-92-1	Lead	mg/kg	1	4	31.00	430.00	202.50	174.50	187.08	2	NR	200	C4SL - CL:AIRE 2014		430	69	280	31
7439-97-6	Mercury, inorganic	mg/kg	0.3	4	0.30	0.50	0.35	0.30	0.10	0	NR	40	Hydrock Derived		0.5	<0.3	<0.3	<0.3
7440-02-0	Nickel	mg/kg	1	4	19.00	88.00	47.50	41.50	34.34	0	NR	130	Hydrock Derived		88	19	64	19
7782-49-2	Selenium	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	NR	260	Hydrock Derived		<1	<1	<1	<1
7440-62-2	Vanadium	mg/kg	1	4	47.00	160.00	84.75	66.00	52.61	0	NR	410	Hydrock Derived		160	50	82	47
7440-66-6	Zinc	mg/kg	1	4	1.00	570.00	250.25	215.00	241.73	0	NR	3900	Hydrock Derived		570	150	280	<1
P1095	Cyanide (free)	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020		<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	38058	210	Hydrock Derived		<1	<1	<1	<1
83-32-9	Acenaphthene	mg/kg	0.05	4	0.05	0.26	0.10	0.05	0.11	0	141	540	Hydrock Derived		<0.05	<0.05	0.26	<0.05
208-96-8	Acenaphthylene	mg/kg	0.05	4	0.05	1.10	0.31	0.05	0.53	0	212	440	Hydrock Derived		<0.05	<0.05	1.1	<0.05
120-12-7	Anthracene	mg/kg	0.05	4	0.05	1.40	0.39	0.05	0.68	0	2.91	5500	Hydrock Derived		<0.05	<0.05	1.4	<0.05
56-55-3	Benz(a)anthracene	mg/kg	0.05	4	0.05	2.70	0.92	0.47	1.21	0	4.28	12	Hydrock Derived		<0.05	0.61	2.7	0.33
50-32-8	Benzo(a)pyrene	mg/kg	0.05	4	0.05	4.90	1.46	0.45	2.31	0	2.28	5	C4SL - CL:AIRE 2014		<0.05	0.62	4.9	0.27
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	4	0.05	5.50	1.69	0.60	2.56	1	3.04	3.3	Hydrock Derived		<0.05	0.75	5.5	0.44
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	4	0.05	8.90	2.40	0.33	4.34	0	0.04	340	Hydrock Derived		<0.05	0.61	8.9	<0.05
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	4	0.05	1.40	0.52	0.31	0.60	0	1.72	93	Hydrock Derived		<0.05	0.33	1.4	0.29
218-01-9	Chrysene	mg/kg	0.05	4	0.05	2.20	0.81	0.50	0.95	0	1.10	22	Hydrock Derived		<0.05	0.6	2.2	0.39
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	4	0.05	1.40	0.39	0.05	0.68	1	0.010	0.29	Hydrock Derived		<0.05	<0.05	1.4	<0.05
206-44-0	Fluoranthene	mg/kg	0.05	4	0.05	3.90	1.34	0.71	1.74	0	47	560	Hydrock Derived		<0.05	0.94	3.9	0.47
86-73-7	Fluorene	mg/kg	0.05	4	0.05	0.31	0.12	0.05	0.13	0	77	420	Hydrock Derived		<0.05	<0.05	0.31	<0.05
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	4	0.05	6.20	1.71	0.29	3.00	0	0.15	36	Hydrock Derived		<0.05	0.53	6.2	<0.05
91-20-3	Naphthalene	mg/kg	0.05	4	0.05	0.05	0.05	0.05	0.00	0	183	30	Hydrock Derived		<0.05	<0.05	<0.05	<0.05
85-01-8	Phenanthrene	mg/kg	0.05	4	0.05	2.00	0.60	0.17	0.94	0	90	220	Hydrock Derived		<0.05	0.29	2	<0.05
129-00-0	Pyrene	mg/kg	0.05	4	0.05	3.60	1.27	0.72	1.59	0	5.5	1200	Hydrock Derived		<0.05	0.9	3.6	0.53

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	MG-TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	5.73
Scenario SOM%	2.5

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Date	20/08/21	18/08/21	18/08/21	19/08/21
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP07	WS01	WS02	WS10
														Depth (m bgl)	0.1	0.1	0.2	0.2
														Strata	MG-TS	MG-TS	MG-TS	MG-TS
-	**TPH fractions**																	
P1407	TPH ali EC05-EC06	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	558	78	Hydrock Derived		<0.001	N/A	N/A	N/A
P1408	TPH ali >EC06-EC08	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	322	230	Hydrock Derived		<0.001	N/A	N/A	N/A
P1409	TPH ali >EC08-EC10	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	190	65	Hydrock Derived		<0.001	N/A	N/A	N/A
P1410	TPH ali >EC10-EC12	mg/kg	1	1	1.00	1.00	1.00	1.00	-	0	118	330	Hydrock Derived		<1	N/A	N/A	N/A
P1411	TPH ali >EC12-EC16	mg/kg	2	1	2.00	2.00	2.00	2.00	-	0	59	2400	Hydrock Derived		<2	N/A	N/A	N/A
P1938	TPH ali >EC16-EC35	mg/kg	10	1	10.00	10.00	10.00	10.00	-	0	21	92000	Hydrock Derived		<10	N/A	N/A	N/A
P1415	TPH ali >EC35-EC44	mg/kg	8.4	1	8.40	8.40	8.40	8.40	-	0	21	92000	Hydrock Derived		<8.4	N/A	N/A	N/A
P1441	TPH aro EC05-EC07	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	2265	150	Hydrock Derived		<0.001	N/A	N/A	N/A
P1355	TPH aro >EC07-EC08	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1916	300	Hydrock Derived		<0.001	N/A	N/A	N/A
P1356	TPH aro >EC08-EC10	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1503	84	Hydrock Derived		<0.001	N/A	N/A	N/A
P1357	TPH aro >EC10-EC12	mg/kg	1	1	1.00	1.00	1.00	1.00	-	0	899	180	Hydrock Derived		<1	N/A	N/A	N/A
P1358	TPH aro >EC12-EC16	mg/kg	2	1	2.00	2.00	2.00	2.00	-	0	419	330	Hydrock Derived		<2	N/A	N/A	N/A
P1359	TPH aro >EC16-EC21	mg/kg	10	1	10.00	10.00	10.00	10.00	-	0	134	540	Hydrock Derived		<10	N/A	N/A	N/A
P1360	TPH aro >EC21-EC35	mg/kg	10	1	10.00	10.00	10.00	10.00	-	0	12	1500	Hydrock Derived		<10	N/A	N/A	N/A
P1362	TPH aro >EC35-EC44	mg/kg	8.4	1	8.40	8.40	8.40	8.40	-	0	12	1500	Hydrock Derived		<8.4	N/A	N/A	N/A
-	**VOCs - BTEX & MTBE**																	
71-43-2	Benzene	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	2265	0.41	C4SL - CL:AIRE 2014		<0.001	N/A	N/A	N/A
108-88-3	Toluene	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1916	300	Hydrock Derived		<0.001	N/A	N/A	N/A
100-41-4	Ethylbenzene	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1216	110	Hydrock Derived		<0.001	N/A	N/A	N/A
95-47-6	Xylene, o-	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1120	140	Hydrock Derived		<0.001	N/A	N/A	N/A
1330-20-7	Xylene, p- (use this for combined m & p)	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	1353	130	Hydrock Derived		<0.001	N/A	N/A	N/A
1634-04-4	MTBE	mg/kg	0.001	1	0.00	0.00	0.00	0.00	-	0	33075	110	Hydrock Derived		<0.001	N/A	N/A	N/A
	TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**														
														Aliphatics >EC5-EC6	1.282E-05			
														Aliphatics >EC6-EC8	4.348E-06			
														Aliphatics >EC8-EC10	1.538E-05			
													Considered additive	Aliphatics >EC10-EC12	0.0030303			
														Aliphatics >EC12-EC16	0.0008333			
														Aliphatics >EC16-EC35	0.0001087			
														Aliphatics >EC35-EC44	9.13E-05			
														Aromatics EC5-EC7	6.667E-06			
														Aromatics >EC7-EC8	3.333E-06			
														Aromatics >EC8-EC10	1.19E-05			
													Considered additive	Aromatics >EC10-EC12	0.0055556			
														Aromatics >EC12-EC16	0.0060606			
														Aromatics >EC16-EC21	0.0185185			
													Considered additive	Aromatics >EC21-EC35	0.0066667			
														Aromatics >EC35-EC44	0.0056			

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - residential with home-grown produce (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	MG-TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	5.73
Scenario SOM%	2.5

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Date	20/08/21	18/08/21	18/08/21	19/08/21
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP07	WS01	WS02	WS10
														Depth (m bgl)	0.1	0.1	0.2	0.2
														Strata	MG-TS	MG-TS	MG-TS	MG-TS
	Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													Hazard Index for ali>C8-C16	0.003879			
														Hazard Index for aro>C8-C16	0.011628			
														Hazard Index for aro>C16-C35	0.025185			

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

Data Filters

Zone	Landfill
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8

All values in mg/kg unless otherwise stated

Dataset mean SOM% 1.21

Scenario SOM% 2.5

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Strata	20/08/21	18/08/21	18/08/21	19/08/21
														Date				
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP02	WS02	WS05	WS09
														Depth (m bgl)	3.3	0.8	3.8	3.8
-	**Asbestos**																	
P1020	Asbestos Identified	Y/N	Y/N	4	-	-	-	-	No. of detects:	0	-	-	-		N	N	N	N
-	**Hydrock Default Suite - FOC / SOM / pH**										-							
P1085	FOC (dimensionless)	[]	0.001	4	0.001	0.018	0.007	0.005	0.01		-	-	-		0.0041	0.0049	0.018	0.001
-	SOM (calculated)	%	0.1724	4	0.17	3.10	1.21	0.78	1.30		-	-	-		0.70684	0.84476	3.1032	0.1724
P1334	pH (su)	pH Units	0	4	8.00	8.70	8.30	8.25	0.32		-	-	-		8.7	8.1	8	8.4
-	**Hydrock Default Suite - Metals & PAH**																	
7440-38-2	Arsenic	mg/kg	1	4	25.00	84.00	55.00	55.50	28.88	1	NR	79	C4SL - CL:AIRE 2014		84	36	25	75
7440-41-7	Beryllium	mg/kg	0.06	4	0.86	1.80	1.39	1.45	0.48	0	NR	2.2	Hydrock Derived		1.8	1.1	0.86	1.8
7440-42-8	Boron	mg/kg	0.2	4	0.90	5.70	2.80	2.30	2.04	0	NR	21000	Hydrock Derived		2.2	0.9	5.7	2.4
7440-43-9	Cadmium	mg/kg	0.2	4	0.20	0.20	0.20	0.20	0.00	0	NR	220	C4SL - CL:AIRE 2014		<0.2	<0.2	<0.2	<0.2
16065-83-1	Chromium (III)	mg/kg	1	4	21.00	64.00	44.25	46.00	18.84	0	NR	1500	Hydrock Derived		54	38	21	64
18540-29-9	Chromium (VI)	mg/kg	1.2	4	1.20	1.20	1.20	1.20	0.00	0	NR	23	C4SL - CL:AIRE 2014		<1.2	<1.2	<1.2	<1.2
7440-47-3	Chromium (Total)	mg/kg	1	4	21.00	64.00	44.25	46.00	18.84			-			54	38	21	64
7440-50-8	Copper	mg/kg	1	4	9.20	22.00	16.05	16.50	6.41	0	NR	12000	Hydrock Derived		22	12	21	9.2
7439-92-1	Lead	mg/kg	1	4	16.00	88.00	36.75	21.50	34.33	0	NR	630	C4SL - CL:AIRE 2014		24	19	88	16
7439-97-6	Mercury, inorganic	mg/kg	0.3	4	0.30	0.30	0.30	0.30	0.00	0	NR	120	Hydrock Derived		<0.3	<0.3	<0.3	<0.3
7440-02-0	Nickel	mg/kg	1	4	22.00	57.00	36.75	34.00	16.03	0	NR	230	Hydrock Derived		57	26	22	42
7782-49-2	Selenium	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	NR	1100	Hydrock Derived		<1	<1	<1	<1
7440-62-2	Vanadium	mg/kg	1	4	51.00	150.00	98.25	96.00	44.99	0	NR	2000	Hydrock Derived		150	72	51	120
7440-66-6	Zinc	mg/kg	1	4	83.00	250.00	133.00	99.50	78.85	0	NR	81000	Hydrock Derived		250	89	83	110
P1095	Cyanide (free)	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020		<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	4	1.00	1.00	1.00	1.00	0.00	0	38058	690	Hydrock Derived		<1	<1	<1	<1
83-32-9	Acenaphthene	mg/kg	0.05	4	0.05	0.05	0.05	0.05	0.00	0	141	15000	Hydrock Derived		<0.05	<0.05	<0.05	<0.05
208-96-8	Acenaphthylene	mg/kg	0.05	4	0.05	0.29	0.11	0.05	0.12	0	212	15000	Hydrock Derived		<0.05	<0.05	0.29	<0.05
120-12-7	Anthracene	mg/kg	0.05	4	0.05	0.51	0.17	0.05	0.23	0	2.91	74000	Hydrock Derived		<0.05	<0.05	0.51	<0.05
56-55-3	Benz(a)anthracene	mg/kg	0.05	4	0.05	3.10	0.81	0.05	1.53	0	4.28	29	Hydrock Derived		<0.05	<0.05	3.1	<0.05
50-32-8	Benzo(a)pyrene	mg/kg	0.05	4	0.05	2.80	0.74	0.05	1.38	0	2.28	10	C4SL - CL:AIRE 2014		<0.05	<0.05	2.8	<0.05
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	4	0.05	3.70	0.96	0.05	1.83	0	3.04	7.2	Hydrock Derived		<0.05	<0.05	3.7	<0.05
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	4	0.05	2.50	0.66	0.05	1.23	0	0.04	640	Hydrock Derived		<0.05	<0.05	2.5	<0.05
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	4	0.05	1.20	0.34	0.05	0.58	0	1.72	190	Hydrock Derived		<0.05	<0.05	1.2	<0.05
218-01-9	Chrysene	mg/kg	0.05	4	0.05	2.80	0.74	0.05	1.38	0	1.10	57	Hydrock Derived		<0.05	<0.05	2.8	<0.05
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	4	0.05	0.60	0.19	0.05	0.28	1	0.010	0.57	Hydrock Derived		<0.05	<0.05	0.6	<0.05
206-44-0	Fluoranthene	mg/kg	0.05	4	0.05	5.60	1.44	0.05	2.78	0	47	3100	Hydrock Derived		<0.05	<0.05	5.6	<0.05
86-73-7	Fluorene	mg/kg	0.05	4	0.05	0.05	0.05	0.05	0.00	0	77	9900	Hydrock Derived		<0.05	<0.05	<0.05	<0.05
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	4	0.05	2.10	0.56	0.05	1.03	0	0.15	82	Hydrock Derived		<0.05	<0.05	2.1	<0.05
91-20-3	Naphthalene	mg/kg	0.05	4	0.05	0.05	0.05	0.05	0.00	0	183	4100	Hydrock Derived		<0.05	<0.05	<0.05	<0.05
85-01-8	Phenanthrene	mg/kg	0.05	4	0.05	2.20	0.59	0.05	1.08	0	90	3100	Hydrock Derived		<0.05	<0.05	2.2	<0.05
129-00-0	Pyrene	mg/kg	0.05	4	0.05	5.20	1.34	0.05	2.58	0	5.5	7400	Hydrock Derived		<0.05	<0.05	5.2	<0.05

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.21
Scenario SOM%	2.5

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Date	20/08/21	18/08/21	18/08/21	19/08/21
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP02	WS02	WS05	WS09
														Depth (m bgl)	3.3	0.8	3.8	3.8
														Strata	NAT	NAT	NAT	NAT
-	**TPH fractions**																	
P1407	TPH ali EC05-EC06	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	558	590000	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1408	TPH ali >EC06-EC08	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	322	610000	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1409	TPH ali >EC08-EC10	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.000	0	190	13000	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1410	TPH ali >EC10-EC12	mg/kg	1	2	1.00	1.00	1.00	1.00	0.00	0	118	13000	Hydrock Derived		<1	<1	N/A	N/A
P1411	TPH ali >EC12-EC16	mg/kg	2	2	2.00	2.00	2.00	2.00	0.00	0	59	13000	Hydrock Derived		<2	<2	N/A	N/A
P1938	TPH ali >EC16-EC35	mg/kg	10	2	10.00	39.00	24.50	24.50	20.51	0	21	250000	Hydrock Derived		39	<10	N/A	N/A
P1415	TPH ali >EC35-EC44	mg/kg	8.4	2	8.40	28.00	18.20	18.20	13.86	0	21	250000	Hydrock Derived		28	<8.4	N/A	N/A
P1441	TPH aro EC05-EC07	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	2265	56000	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1355	TPH aro >EC07-EC08	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1916	56000	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1356	TPH aro >EC08-EC10	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1503	5000	Hydrock Derived		<0.001	<0.001	N/A	N/A
P1357	TPH aro >EC10-EC12	mg/kg	1	2	1.00	1.00	1.00	1.00	0.00	0	899	5000	Hydrock Derived		<1	<1	N/A	N/A
P1358	TPH aro >EC12-EC16	mg/kg	2	2	2.00	2.00	2.00	2.00	0.00	0	419	5000	Hydrock Derived		<2	<2	N/A	N/A
P1359	TPH aro >EC16-EC21	mg/kg	10	2	10.00	10.00	10.00	10.00	0.00	0	134	3800	Hydrock Derived		<10	<10	N/A	N/A
P1360	TPH aro >EC21-EC35	mg/kg	10	2	10.00	25.00	17.50	17.50	10.61	0	12	3800	Hydrock Derived		25	<10	N/A	N/A
P1362	TPH aro >EC35-EC44	mg/kg	8.4	2	8.40	13.00	10.70	10.70	3.25	0	12	3800	Hydrock Derived		13	<8.4	N/A	N/A
-	**VOCs - BTEX & MTBE**																	
71-43-2	Benzene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	2265	140	C4SL - CL:AIRE 2014		<0.001	<0.001	N/A	N/A
108-88-3	Toluene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1916	56000	Hydrock Derived		<0.001	<0.001	N/A	N/A
100-41-4	Ethylbenzene	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1216	24000	Hydrock Derived		<0.001	<0.001	N/A	N/A
95-47-6	Xylene, o-	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1120	42000	Hydrock Derived		<0.001	<0.001	N/A	N/A
1330-20-7	Xylene, p- (use this for combined m & p)	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	1353	42000	Hydrock Derived		<0.001	<0.001	N/A	N/A
1634-04-4	MTBE	mg/kg	0.001	2	0.00	0.00	0.00	0.00	0.00	0	33075	75000	Hydrock Derived		<0.001	<0.001	N/A	N/A
	TPH Additivity Check			**HAZARD QUOTIENTS FOR EACH FRACTION**														
														Aliphatics >EC5-EC6	1.695E-09	1.695E-09		
														Aliphatics >EC6-EC8	1.639E-09	1.639E-09		
													Considered additive	Aliphatics >EC8-EC10	7.692E-08	7.692E-08		
													Considered additive	Aliphatics >EC10-EC12	7.692E-05	7.692E-05		
													Considered additive	Aliphatics >EC12-EC16	0.0001538	0.0001538		
														Aliphatics >EC16-EC35	0.000156	0.00004		
														Aliphatics >EC35-EC44	0.000112	0.0000336		
														Aromatics EC5-EC7	1.786E-08	1.786E-08		
														Aromatics >EC7-EC8	1.786E-08	1.786E-08		
													Considered additive	Aromatics >EC8-EC10	0.0000002	0.0000002		
													Considered additive	Aromatics >EC10-EC12	0.0002	0.0002		
													Considered additive	Aromatics >EC12-EC16	0.0004	0.0004		
														Aromatics >EC16-EC21	0.0026316	0.0026316		
													Considered additive	Aromatics >EC21-EC35	0.0065789	0.0026316		
													Considered additive	Aromatics >EC35-EC44	0.0034211	0.0022105		

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

Risk parameter:	Default - Human Health - POSresi (2.5%SOM)
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372

All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean SOM%	1.21
Scenario SOM%	2.5

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Date	20/08/21	18/08/21	18/08/21	19/08/21
														Zone	Landfill	Landfill	Landfill	Landfill
														Location	TP02	WS02	WS05	WS09
														Depth (m bgl)	3.3	0.8	3.8	3.8
														Strata	NAT	NAT	NAT	NAT
	Hazard Index table - HI or HQ greater than 1 highlighted with orange shading.													Hazard Index for ali>C8-C16	0.000231	0.000231		
														Hazard Index for aro>C8-C16	0.0006	0.0006		
														Hazard Index for aro>C16-C35	0.009211	0.005263		

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Phytotoxic GQRA

Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	8.02
Scenario pH	7

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	Date	02/09/22	01/09/22	25/08/22	09/09/22	08/09/22	08/09/22	08/09/22	30/08/22
													Zone	S	S	S	S	S	S	S	S
													Location	BH203	BH205	HP208	TP201	TP214	TP217	TP224	WS202
													Depth (m bgl)	0.5	0.4	0.8	0.7	0.5	0.4	0.5	1.1
													Strata	NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT
-	**Hydrock Default Suite - FOC / SOM / pH**																				
P1334	pH (su)	pH Units	0	25	7.50	8.50	8.02	8.00	0.25		-	-		7.5	8.5	7.8	8.4	7.9	8.3	7.9	8.2
-	**Hydrock Default Suite - Metals & PAH**																				
7440-38-2	Arsenic	mg/kg	1	25	16.00	93.00	48.28	48.00	20.54	0	250	MAFF 1998		31	49	27	83	64	78	29	48
7440-42-8	Boron	mg/kg	0.2	25	0.20	2.00	0.66	0.50	0.53	0	5	Nable, et al. 1997		1.1	0.6	0.7	0.2	0.3	0.2	0.8	0.7
16065-83-1	Chromium (III)	mg/kg	1	25	20.00	100.00	50.32	49.00	15.14	0	400	MAFF 1998 (Cr(T))		38	49	20	66	64	55	45	48
18540-29-9	Chromium (VI)	mg/kg	1.2	25	1.80	5.50	1.95	1.80	0.74	0	25	ICRCL 70/90 1990		<1.8	<1.8	5.5	<1.8	<1.8	<1.8	<1.8	<1.8
7440-50-8	Copper	mg/kg	1	25	8.50	25.00	14.92	15.00	4.56	0	135	BS3882 2015		10	15	22	17	21	12	16	18
7440-02-0	Nickel	mg/kg	1	25	20.00	58.00	36.28	37.00	11.21	0	75	BS3882 2015		25	42	24	48	41	30	23	49
7440-66-6	Zinc	mg/kg	1	25	41.00	130.00	81.88	83.00	26.25	0	300	BS3882 2015		74	73	120	130	94	80	62	87

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	8.02
Scenario pH	7

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	23/08/22	22/08/22	25/08/22	22/08/22	30/08/22	24/08/22	31/08/22	23/08/22	08/09/22	31/08/22	02/09/22
												S	S	S	S	S	S	S	S	S	S	S
												WS204	WS205	WS208	WS213	WS216	WS218	WS225	WS227	WS233	WS238	WS243
												0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.5	0.6	0.4
												NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT	NAT
Hydrock Default Suite - FOC / SOM / pH																						
pH (su)	pH Units	0	25	7.50	8.50	8.02	8.00	0.25		-	-	8.1	8	8.2	7.9	8.2	7.8	7.8	7.8	7.9	8	7.9
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	25	16.00	93.00	48.28	48.00	20.54	0	250	MAFF 1998	79	34	27	64	93	51	51	37	24	44	58
Boron	mg/kg	0.2	25	0.20	2.00	0.66	0.50	0.53	0	5	Nable, et al. 1997	1.7	1.3	0.3	0.7	0.4	0.6	1.8	0.3	<0.2	0.7	2
Chromium (III)	mg/kg	1	25	20.00	100.00	50.32	49.00	15.14	0	400	MAFF 1998 (Cr(T))	60	64	55	58	100	43	52	39	38	40	63
Chromium (VI)	mg/kg	1.2	25	1.80	5.50	1.95	1.80	0.74	0	25	ICRCL 70/90 1990	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Copper	mg/kg	1	25	8.50	25.00	14.92	15.00	4.56	0	135	BS3882 2015	16	19	25	14	20	11	19	11	9.1	15	17
Nickel	mg/kg	1	25	20.00	58.00	36.28	37.00	11.21	0	75	BS3882 2015	44	45	52	38	57	29	37	26	23	28	39
Zinc	mg/kg	1	25	41.00	130.00	81.88	83.00	26.25	0	300	BS3882 2015	92	120	65	100	130	87	100	68	48	83	98

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	8.02
Scenario pH	7

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	02/09/22 S WS245 0.5 NAT	06/09/22 S WS252 0.4 NAT
Hydrock Default Suite - FOC / SOM / pH													
pH (su)	pH Units	0	25	7.50	8.50	8.02	8.00	0.25		-	-	7.9	8.1
Hydrock Default Suite - Metals & PAH													
Arsenic	mg/kg	1	25	16.00	93.00	48.28	48.00	20.54	0	250	MAFF 1998	31	38
Boron	mg/kg	0.2	25	0.20	2.00	0.66	0.50	0.53	0	5	Nable, et al. 1997	0.3	0.5
Chromium (III)	mg/kg	1	25	20.00	100.00	50.32	49.00	15.14	0	400	MAFF 1998 (Cr(T))	42	45
Chromium (VI)	mg/kg	1.2	25	1.80	5.50	1.95	1.80	0.74	0	25	ICRCL 70/90 1990	<1.8	<1.8
Copper	mg/kg	1	25	8.50	25.00	14.92	15.00	4.56	0	135	BS3882 2015	11	8.5
Nickel	mg/kg	1	25	20.00	58.00	36.28	37.00	11.21	0	75	BS3882 2015	42	26
Zinc	mg/kg	1	25	41.00	130.00	81.88	83.00	26.25	0	300	BS3882 2015	54	45

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	MG
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	8.13
Scenario pH	7

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	Date	25/08/22	25/08/22	25/08/22	25/08/22	05/09/22	05/09/22
													Zone	S	S	S	S	S	S
													Location	HP207	HP208	HP209	HP210	WS235	WS236
													Depth (m bgl)	0.7	0.3	0.3	0.2	0.2	0.2
													Strata	MG	MG	MG	MG	MG	MG
-	**Hydrock Default Suite - FOC / SOM / pH**																		
P1334	pH (su)	pH Units	0	6	7.80	8.50	8.13	8.15	0.26		-	-		8.2	8.3	8.5	7.9	7.8	8.1
-	**Hydrock Default Suite - Metals & PAH**																		
7440-38-2	Arsenic	mg/kg	1	6	25.00	73.00	43.50	40.00	16.78	0	250	MAFF 1998		73	34	49	35	45	25
7440-42-8	Boron	mg/kg	0.2	6	0.30	1.10	0.75	0.85	0.33	0	5	Nable, et al. 1997		0.4	1.1	0.9	0.8	1	0.3
16065-83-1	Chromium (III)	mg/kg	1	6	18.00	58.00	39.67	40.50	14.92	0	400	MAFF 1998 (Cr(T))		58	29	52	36	45	18
18540-29-9	Chromium (VI)	mg/kg	1.2	6	1.80	1.80	1.80	1.80	0.00	0	25	ICRCL 70/90 1990		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
7440-50-8	Copper	mg/kg	1	6	7.50	29.00	15.42	14.00	7.14	0	135	BS3882 2015		7.5	14	14	14	14	29
7440-02-0	Nickel	mg/kg	1	6	14.00	37.00	26.67	26.00	8.89	0	75	BS3882 2015		36	21	37	24	28	14
7440-66-6	Zinc	mg/kg	1	6	67.00	100.00	90.67	94.50	12.27	0	300	BS3882 2015		89	93	99	100	96	67

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	7.70
Scenario pH	7

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	Date	30/08/22	31/08/22	02/09/22	03/08/22	01/09/22	14/09/22	14/09/22	14/09/22
													Zone	S	S	S	S	S	S	S	S
													Location	BH201	BH202	BH203	BH204	BH205	HP201	HP202	HP203
													Depth (m bgl)	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1
-	**Hydrock Default Suite - FOC / SOM / pH**												Strata	TS	TS	TS	TS	TS	TS	TS	TS
P1334	pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-		6.6	8	7.1	8	7.6	7.8	7.1	7.7
-	**Hydrock Default Suite - Metals & PAH**																				
7440-38-2	Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	0	250	MAFF 1998		45	29	29	24	24	25	30	23
7440-42-8	Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	5	Nable, et al. 1997		0.7	0.4	0.9	0.4	2	2	3.9	1.4
16065-83-1	Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	400	MAFF 1998 (Cr(T))		43	34	33	31	42	30	39	36
18540-29-9	Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	25	ICRCL 70/90 1990		<1.8	<1.8	<1.8	<1.8	<1.8	2	<1.8	<1.8
7440-50-8	Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	135	BS3882 2015		13	11	13	12	15	21	30	23
7440-02-0	Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	75	BS3882 2015		29	23	23	21	29	25	27	27
7440-66-6	Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	300	BS3882 2015		76	71	73	66	88	130	260	130

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
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Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	7.70
Scenario pH	7

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	14/09/22	14/09/22	14/09/22	06/09/22	09/09/22	08/09/22	09/09/22	06/09/22	08/09/22	08/09/22	05/09/22
												S	S	S	S	S	S	S	S	S	S	S
												HP204	HP205	HP206	TP204	TP205	TP206	TP211	TP213	TP218	TP219	TP221
												0.1	0.1	0.1	0.2	0.15	0.2	0.15	0.2	0.15	0.25	0.2
												TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Hydrock Default Suite - FOC / SOM / pH																						
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	7.9	7.5	7.5	8	7.8	7.8	7.9	7.9	7	7.7	7.5
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	0	250	MAFF 1998	18	21	32	71	54	59	39	31	41	51	41
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	5	Nable, et al. 1997	2.3	3.9	2.4	0.7	0.5	0.4	0.7	0.3	0.5	0.4	0.5
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	400	MAFF 1998 (Cr(T))	30	26	31	69	53	55	40	37	38	50	43
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	25	ICRCL 70/90 1990	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	135	BS3882 2015	21	22	25	24	22	18	16	18	20	20	20
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	75	BS3882 2015	26	23	27	44	35	34	25	23	25	34	28
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	300	BS3882 2015	110	150	130	110	100	99	70	70	83	110	91

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
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Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	7.70
Scenario pH	7

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	08/09/22	05/09/22	05/09/22	07/09/22	07/09/22	07/09/22	07/09/22	30/08/22	30/08/22	23/08/22	23/08/22
												S	S	S	S	S	S	S	S	S	S	S
												TP223	TP226	TP227	TP230	TP231	TP232	TP234	WS201	WS202	WS203	WS204
												0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2
												TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Hydrock Default Suite - FOC / SOM / pH																						
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	7.7	8	8.1	7.7	7.9	7.6	7.3	8.4	7.9	7.7	7.9
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	0	250	MAFF 1998	18	39	36	14	15	20	15	19	28	52	67
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	5	Nable, et al. 1997	0.6	1	1.1	0.3	1.3	2	1.1	1.3	1.6	0.9	2.4
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	400	MAFF 1998 (Cr(T))	28	43	38	31	36	42	38	43	46	48	56
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	25	ICRCL 70/90 1990	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	135	BS3882 2015	16	21	16	11	14	19	12	21	15	14	19
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	75	BS3882 2015	18	31	25	17	17	25	18	32	29	31	39
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	300	BS3882 2015	56	110	89	53	61	92	58	88	81	86	96

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
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Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	7.70
Scenario pH	7

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	22/08/22	24/08/22	25/08/22	25/08/22	22/08/22	22/08/22	31/08/22	30/08/22	22/08/22	23/08/22	25/08/22
												S	S	S	S	S	S	S	S	S	S	S
												WS205	WS206	WS207	WS208	WS209	WS210	WS211	WS212	WS213	WS214	WS215
												0.2	0.2	0.1	0.1	0.3	0.1	0.1	0.2	0.1	0.1	0.2
												TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Hydrock Default Suite - FOC / SOM / pH																						
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	7.9	7.7	7.6	7.3	7.4	7.3	8.1	7.6	7.7	8.1	7.6
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	0	250	MAFF 1998	35	64	29	36	36	26	45	62	67	63	25
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	5	Nable, et al. 1997	0.9	2.7	0.9	1	0.8	2.9	0.7	2.2	0.4	1.1	4.2
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	400	MAFF 1998 (Cr(T))	49	52	47	54	38	55	39	54	69	50	47
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	25	ICRCL 70/90 1990	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	135	BS3882 2015	19	16	17	23	17	18	13	17	15	15	19
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	75	BS3882 2015	35	34	31	37	25	33	27	37	40	33	30
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	300	BS3882 2015	120	110	82	93	95	94	95	94	100	96	85

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
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Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	7.70
Scenario pH	7

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	30/08/22	23/08/22	24/08/22	24/08/22	24/08/22	01/09/22	25/08/22	24/08/22	08/09/22	31/08/22	23/08/22
												S	S	S	S	S	S	S	S	S	S	S
												WS216	WS217	WS218	WS219	WS220	WS221	WS222	WS223	WS224	WS225	WS226
												0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2
												TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Hydrock Default Suite - FOC / SOM / pH																						
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	7.9	7.6	7.6	7.9	7.9	7.9	7.9	7.5	8.6	8	7.7
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	0	250	MAFF 1998	65	47	48	27	22	31	41	59	25	27	57
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	5	Nable, et al. 1997	0.9	1.1	0.5	0.6	0.5	2.4	0.3	1.8	0.6	1.1	0.2
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	400	MAFF 1998 (Cr(T))	65	47	47	30	32	41	39	53	32	31	55
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	25	ICRCL 70/90 1990	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	135	BS3882 2015	18	15	12	14	14	14	14	17	15	13	17
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	75	BS3882 2015	49	32	30	20	21	24	27	35	20	24	36
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	300	BS3882 2015	110	110	84	73	65	75	77	120	64	67	92

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
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Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	7.70
Scenario pH	7

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	23/08/22	05/09/22	02/09/22	31/08/22	31/08/22	26/08/22	08/09/22	02/09/22	31/08/22	06/09/22	01/09/22
												S	S	S	S	S	S	S	S	S	S	S
												WS227	WS228	WS229	WS230	WS231	WS232	WS234	WS237	WS238	WS239	WS241
												0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2
												TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Hydrock Default Suite - FOC / SOM / pH																						
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	7.3	7.5	7.5	7.6	7.9	8	8.3	7.6	7.8	8	7.8
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	0	250	MAFF 1998	43	48	48	44	30	20	16	48	48	13	18
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	5	Nable, et al. 1997	0.7	0.4	0.7	1.3	0.7	0.9	1.9	0.9	2	1	3.5
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	400	MAFF 1998 (Cr(T))	40	49	48	44	29	32	37	45	47	23	36
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	25	ICRCL 70/90 1990	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	135	BS3882 2015	11	18	15	14	14	13	16	15	16	11	21
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	75	BS3882 2015	27	35	33	30	27	19	23	29	34	15	24
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	300	BS3882 2015	76	77	90	89	65	59	72	86	94	48	91

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
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Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	S
Strata	TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	7.70
Scenario pH	7

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	05/09/22	02/09/22	01/09/22	02/09/22	02/09/22	01/09/22	06/09/22	06/09/22	01/09/22	01/09/22	06/09/22
												S	S	S	S	S	S	S	S	S	S	S
												WS242	WS243	WS244	WS245	WS246	WS247	WS248	WS249	WS250	WS251	WS252
												0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1
												TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Hydrock Default Suite - FOC / SOM / pH																						
pH (su)	pH Units	0	78	6.60	8.60	7.70	7.70	0.35		-	-	7.7	7.9	7.6	7.9	7.6	7.7	6.8	6.9	7.7	8.1	7.9
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	78	13.00	71.00	34.19	30.00	15.82	0	250	MAFF 1998	24	52	20	18	23	30	14	18	17	16	24
Boron	mg/kg	0.2	78	0.20	4.20	1.22	0.90	0.90	0	5	Nable, et al. 1997	0.6	1.4	0.4	1.4	1.6	0.8	0.5	0.5	1.7	1	1.8
Chromium (III)	mg/kg	1	78	23.00	69.00	41.49	40.00	9.52	0	400	MAFF 1998 (Cr(T))	34	46	34	37	44	44	33	32	38	45	44
Chromium (VI)	mg/kg	1.2	78	1.80	2.00	1.80	1.80	0.03	0	25	ICRCL 70/90 1990	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	1.9	<1.8	<1.8
Copper	mg/kg	1	78	8.90	30.00	16.27	16.00	3.96	0	135	BS3882 2015	18	21	16	11	17	9.5	13	8.9	11	11	14
Nickel	mg/kg	1	78	15.00	49.00	27.41	27.00	6.81	0	75	BS3882 2015	34	34	21	24	27	24	17	16	21	25	26
Zinc	mg/kg	1	78	40.00	260.00	87.00	85.50	29.42	0	300	BS3882 2015	89	120	64	71	97	77	52	40	66	64	76

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	NAT
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	8.30
Scenario pH	7

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	Date	20/08/21	18/08/21	18/08/21	19/08/21
													Zone	Landfill	Landfill	Landfill	Landfill
													Location	TP02	WS02	WS05	WS09
													Depth (m bgl)	3.3	0.8	3.8	3.8
													Strata	NAT	NAT	NAT	NAT
-	**Hydrock Default Suite - FOC / SOM / pH**																
P1334	pH (su)	pH Units	0	4	8.00	8.70	8.30	8.25	0.32		-	-		8.7	8.1	8	8.4
-	**Hydrock Default Suite - Metals & PAH**																
7440-38-2	Arsenic	mg/kg	1	4	25.00	84.00	55.00	55.50	28.88	0	250	MAFF 1998		84	36	25	75
7440-42-8	Boron	mg/kg	0.2	4	0.90	**5.70**	2.80	2.30	2.04	**1**	5	Nable, et al. 1997		2.2	0.9	5.7	2.4
16065-83-1	Chromium (III)	mg/kg	1	4	21.00	64.00	44.25	46.00	18.84	0	400	MAFF 1998 (Cr(T))		54	38	21	64
18540-29-9	Chromium (VI)	mg/kg	1.2	4	1.20	1.20	1.20	1.20	0.00	0	25	ICRCL 70/90 1990		<1.2	<1.2	<1.2	<1.2
7440-50-8	Copper	mg/kg	1	4	9.20	22.00	16.05	16.50	6.41	0	135	BS3882 2015		22	12	21	9.2
7440-02-0	Nickel	mg/kg	1	4	22.00	57.00	36.75	34.00	16.03	0	75	BS3882 2015		57	26	22	42
7440-66-6	Zinc	mg/kg	1	4	83.00	250.00	133.00	99.50	78.85	0	300	BS3882 2015		250	89	83	110

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	7.94
Scenario pH	7

Hydrock

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	Date	18/08/21	19/08/21	19/08/21	18/08/21	17/08/21	20/08/21	20/08/21	20/08/21
													Zone	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
													Location	BH01	BH02	BH02	BH03	TP01	TP02	TP02	TP02
													Depth (m bgl)	2.5	3	1.5	1	1	0.8	1.5	2.5
													Strata	LF	LF	LF	LF	LF	LF	LF	LF
-	**Hydrock Default Suite - FOC / SOM / pH**																				
P1334	pH (su)	pH Units	0	17	7.30	8.80	7.94	7.90	0.37		-	-		7.9	7.9	7.3	7.9	8	8	8.2	***N/A***
-	**Hydrock Default Suite - Metals & PAH**																				
7440-38-2	Arsenic	mg/kg	1	17	25.00	85.00	55.47	49.00	19.86	0	250	MAFF 1998		78	84	40	53	73	85	27	***N/A***
7440-42-8	Boron	mg/kg	0.2	17	0.90	**17.00**	**7.10**	**6.60**	5.27	**9**	5	Nable, et al. 1997		1.8	3.4	6.6	12	8.2	17	14	***N/A***
16065-83-1	Chromium (III)	mg/kg	1	17	25.00	75.00	51.94	55.00	13.30	0	400	MAFF 1998 (Cr(T))		75	74	54	55	55	56	25	***N/A***
18540-29-9	Chromium (VI)	mg/kg	1.2	17	1.20	1.20	1.20	1.20	0.00	0	25	ICRCL 70/90 1990		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	***N/A***
7440-50-8	Copper	mg/kg	1	17	21.00	**1000.00**	**234.41**	98.00	306.23	**8**	135	BS3882 2015		35	1000	240	920	300	170	34	***N/A***
7440-02-0	Nickel	mg/kg	1	17	24.00	**150.00**	56.18	46.00	32.09	**4**	75	BS3882 2015		44	150	46	90	91	81	24	***N/A***
7440-66-6	Zinc	mg/kg	1	17	110.00	**6500.00**	**1050.00**	**340.00**	1679.11	**9**	300	BS3882 2015		240	540	2100	3700	340	1300	290	***N/A***

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	7.94
Scenario pH	7

Hydrock

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	20/08/21	18/08/21	18/08/21	19/08/21	19/08/21
												Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill
												TP03	TP04	TP05	TP05	TP05	TP06	TP07	WS03	WS05	WS06	WS07
												2.3	0.5	0.5	2	1.3	0.7	2.7	1	2.9	1.8	2.3
												LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
Hydrock Default Suite - FOC / SOM / pH																						
pH (su)	pH Units	0	17	7.30	8.80	7.94	7.90	0.37		-	-	8.1	8.8	***N/A***	***N/A***	***N/A***	8.6	7.8	***N/A***	7.7	7.7	7.7
Hydrock Default Suite - Metals & PAH																						
Arsenic	mg/kg	1	17	25.00	85.00	55.47	49.00	19.86	0	250	MAFF 1998	77	49	***N/A***	***N/A***	***N/A***	66	72	***N/A***	40	25	34
Boron	mg/kg	0.2	17	0.90	**17.00**	**7.10**	**6.60**	5.27	**9**	5	Nable, et al. 1997	4.4	2.6	***N/A***	***N/A***	***N/A***	1.2	7.1	***N/A***	3.9	12	16
Chromium (III)	mg/kg	1	17	25.00	75.00	51.94	55.00	13.30	0	400	MAFF 1998 (Cr(T))	55	43	***N/A***	***N/A***	***N/A***	56	55	***N/A***	41	67	56
Chromium (VI)	mg/kg	1.2	17	1.20	1.20	1.20	1.20	0.00	0	25	ICRCL 70/90 1990	<1.2	<1.2	***N/A***	***N/A***	***N/A***	<1.2	<1.2	***N/A***	<1.2	<1.2	<1.2
Copper	mg/kg	1	17	21.00	**1000.00**	**234.41**	98.00	306.23	**8**	135	BS3882 2015	81	190	***N/A***	***N/A***	***N/A***	40	42	***N/A***	570	150	73
Nickel	mg/kg	1	17	24.00	**150.00**	56.18	46.00	32.09	**4**	75	BS3882 2015	55	57	***N/A***	***N/A***	***N/A***	36	44	***N/A***	33	63	55
Zinc	mg/kg	1	17	110.00	**6500.00**	**1050.00**	**340.00**	1679.11	**9**	300	BS3882 2015	6500	660	***N/A***	***N/A***	***N/A***	210	210	***N/A***	130	560	280

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
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Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	LF
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	7.94
Scenario pH	7

Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	LF	LF	LF
												19/08/21	19/08/21	19/08/21
												Landfill	Landfill	Landfill
												WS08	WS09	WS09
												3.4	2.5	3
Hydrock Default Suite - FOC / SOM / pH														
pH (su)	pH Units	0	17	7.30	8.80	7.94	7.90	0.37		-	-	***N/A***	7.5	7.7
Hydrock Default Suite - Metals & PAH														
Arsenic	mg/kg	1	17	25.00	85.00	55.47	49.00	19.86	0	250	MAFF 1998	***N/A***	48	45
Boron	mg/kg	0.2	17	0.90	**17.00**	**7.10**	**6.60**	5.27	**9**	5	Nable, et al. 1997	***N/A***	2.9	6.7
Chromium (III)	mg/kg	1	17	25.00	75.00	51.94	55.00	13.30	0	400	MAFF 1998 (Cr(T))	***N/A***	43	39
Chromium (VI)	mg/kg	1.2	17	1.20	1.20	1.20	1.20	0.00	0	25	ICRCL 70/90 1990	***N/A***	<1.2	<1.2
Copper	mg/kg	1	17	21.00	**1000.00**	**234.41**	98.00	306.23	**8**	135	BS3882 2015	***N/A***	21	21
Nickel	mg/kg	1	17	24.00	**150.00**	56.18	46.00	32.09	**4**	75	BS3882 2015	***N/A***	29	27
Zinc	mg/kg	1	17	110.00	**6500.00**	**1050.00**	**340.00**	1679.11	**9**	300	BS3882 2015	***N/A***	110	130

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
***<10**	Value excluded from statistical analysis
Y	Text result
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Assessment of Chemicals of Potential Concern to Plant Life

Hydrock

Risk parameter:	Phytotoxic pH 7
Client:	Oxford University Developments Ltd
Site:	Begbroke Science Park
Job no.:	19114
Lab. report no(s).:	22-85537, 22-83966, 22-83965, 22-83964, 22-82420, 22-82414, 22-82408, 22-82372
	All values in mg/kg unless otherwise stated

Data Filters

Zone	Landfill
Strata	MG-TS
Depth Min (m bgl)	0.1
Depth Max (m bgl)	3.8
Dataset mean pH	8.03
Scenario pH	7

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	Date	20/08/21	18/08/21	18/08/21	19/08/21
													Zone	Landfill	Landfill	Landfill	Landfill
													Location	TP07	WS01	WS02	WS10
													Depth (m bgl)	0.1	0.1	0.2	0.2
													Strata	MG-TS	MG-TS	MG-TS	MG-TS
-	**Hydrock Default Suite - FOC / SOM / pH**																
P1334	pH (su)	pH Units	0	4	7.90	8.10	8.03	8.05	0.10		-	-		8	8.1	8.1	7.9
-	**Hydrock Default Suite - Metals & PAH**																
7440-38-2	Arsenic	mg/kg	1	4	21.00	75.00	39.25	30.50	24.25	0	250	MAFF 1998		75	21	30	31
7440-42-8	Boron	mg/kg	0.2	4	1.20	3.30	2.15	2.05	0.97	0	5	Nable, et al. 1997		3.3	2.6	1.5	1.2
16065-83-1	Chromium (III)	mg/kg	1	4	1.00	72.00	35.25	34.00	29.31	0	400	MAFF 1998 (Cr(T))		72	29	39	<1
18540-29-9	Chromium (VI)	mg/kg	1.2	4	1.20	1.20	1.20	1.20	0.00	0	25	ICRCL 70/90 1990		<1.2	<1.2	<1.2	<1.2
7440-50-8	Copper	mg/kg	1	4	1.00	**780.00**	**221.00**	51.50	373.92	**1**	135	BS3882 2015		780	28	75	<1
7440-02-0	Nickel	mg/kg	1	4	19.00	**88.00**	47.50	41.50	34.34	**1**	75	BS3882 2015		88	19	64	19
7440-66-6	Zinc	mg/kg	1	4	1.00	**570.00**	250.25	215.00	241.73	**1**	300	BS3882 2015		570	150	280	<1

Legend:

MG	Made Ground
HH	Hole Heath Sand and Gravel
XX	XX Other Codes
TS	Topsoil
NAT	Natural

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
*<10	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Controlled Waters GQRA

Summary of Remedial Targets Methodology Screening

Hydrock

Hydrock Scenario: Scenario B - EQS (inland)
RTM Level: RTM Level 2 - Groundwater Beneath Source Assessment - groundwater samples
Water body receptor(s): Groundwater and surface water
Secondary receptor(s):
Data set: Groundwater
Client: Oxford University Developments Ltd
Site: Begbroke
Job no: C19114
Test Certificates(s): 22-85131 & 22-86105
Dataset RTD

PNEC calculated (inland EQS)

2013/39/EU Annex I
P = priority substance
PH = priority hazardous substances.
WFD Designation (2015 Directions)
OP = Other substance identical to previous legislation
SP = Specific Pollutant
JAGDAG Hazardous Substances Determination (UK)
H Hazardous substance
NP Non-hazardous pollutant
(blank) Not included in assessment

CAS / AGS Number	Chemicals of Potential Concern (concentrations in µg/l)	WFD Designation	Hazardous Substance Status	Summary of Sample Data						Value Being Compared to Target = Maximum Value	Water Quality Target (Exceeded if Red		No. Samples Exceeding Water Quality Target		No. Samples above LoD Exceeding Water Quality		Notes
				No. of Samples	No. of Samples > LoD	Limit of Detection	Minimum Value	Maximum Value	95-%ile Value			Inland Waters EQS		Inland Waters EQS		Inland Waters EQS	EQS compared to dissolved metals as an initial screen, with no adjustment for bioavailability or ABC.
P1133	Hardness as mg/l $CaCO_3$			-	-	-	10	-	-	-		-					Representative hardness of receiving surface water environment used in some inland EQS
7440-22-4	Silver (Ag) (dissolved)			31	0	0.05	<0.05	<0.05	<0.05	<0.05		0.05		0		0	
7429-90-5	Aluminium (Al) (dissolved)			31	29	1	<1	61	30	61		n/a					
7440-38-2	Arsenic (As) (dissolved)	SP	**H**	31	30	0.15	<0.15	2.13	1.33	2.13		50		0		0	
7440-42-8	Boron (B) (dissolved)		NP	31	31	10	25	740	230	740		2000		0		0	
7440-39-3	Barium (Ba) (dissolved)			31	31	0.06	12	200	117	200		n/a					
7440-43-9	Cadmium (Cd) (dissolved)	**PH**	NP	31	9	0.02	<0.02	0.1	0.075	0.1		0.08		2		2	EQS (inland) dependent on hardness of receiving surface water environment
7440-48-4	Cobalt (Co) (dissolved)		NP	31	18	0.2	<0.2	11	3.55	11		3		2		2	
18540-29-9	Chromium (VI) (Cr) (dissolved)	SP	**H**	31	0	5	<5	<5	<5	<5		3.4		31		0	
16065-83-1	Chromium (III) (Cr) (dissolved)	SP		31	2	5	<5	7.9	5.7	7.9		4.7		31		2	
7440-47-3	Chromium (Cr) (total) (dissolved)			31	10	0.2	<0.2	7.9	4.85	7.9		n/a					
7440-50-8	Copper (Cu) (dissolved)	SP	NP	31	28	0.5	<0.5	3.6	3.25	3.6		1		15		15	Bioavailable EQS (inland)
7439-89-6	Iron (Fe) (dissolved)	SP		31	27	0.004	<0.004	0.15	0.1125	0.15		1000		0		0	
7439-97-6	Mercury (Hg) (dissolved)	**PH**	**H**	31	0	0.05	<0.05	<0.05	<0.05	<0.05		0.07		0		0	
P1286	Manganese (Mn) (dissolved)	SP		31	31	0.05	0.32	940	700	940		123		7		7	Bioavailable EQS (inland)
7440-23-5	Sodium (Na) (dissolved)			31	31	0.01	6.4	130	66	130		n/a					
7440-02-0	Nickel (Ni) (dissolved)	***P***	NP	31	27	0.5	<0.5	13	11.5	13		4		10		10	Bioavailable EQS (inland)
7439-92-1	Lead (Pb) (dissolved)	***P***	**H**	31	0	0.2	<0.2	<0.2	<0.2	<0.2		1.2		0		0	Bioavailable EQS (inland)
7440-36-0	Antimony (Sb) (dissolved)		NP	31	28	0.4	<0.4	3.8	2.05	3.8		n/a					
7782-49-2	Selenium (Se) (dissolved)		NP	31	14	0.6	<0.6	10	1.65	10		n/a					
7440-31-5	Tin (Sn) (dissolved)			31	2	0.2	<0.2	0.28	0.215	0.28		25		0		0	
7440-62-2	Vanadium (V) (dissolved)			31	15	0.2	<0.2	1.3	0.6	1.3		20		0		0	EQS (inland) dependent on hardness of receiving surface water environment
7440-66-6	Zinc (Zn) (dissolved)	SP	NP	31	31	0.5	0.7	6.5	5.1	6.5		12.3		0		0	Bioavailable EQS (inland) + ambient background concentration (ABC)
P1095	Cyanide (free) (hydrogen cyanide)	SP	NP	31	0	1	<1	<1	<1	<1		1		0		0	
57-12-5	Cyanide (total)			31	2	1	<1	2	1.1	2		n/a					
P1140	Ammonium (NH_4^+)		NP	31	16	15	<15	9300	950	9300		n/a					
P1238	Ammoniacal Nitrogen (as N)		NP	31	13	15	<15	7200	755	7200		300		3		3	
P1720	Ammonia (unionised) (NH_3 as N) {free ammonia}	SP	NP	31	15	15	<15	8800	890	8800		n/a					
15541-45-4	Bromate (BrO_3)			31	0	0.002	<0.002	<0.002	<0.002	<0.002		n/a					
16887-00-6	Chloride (Cl^-)			31	31	0.15	14	170	81.5	170		250000		0		0	
16984-48-8	Fluoride (F^-)			31	31	50	220	700	520	700		1000		0		0	EQS (inland) dependent on hardness of receiving surface water environment
P1348	Nitrate (NO_3^-)			31	31	0.05	0.25	128	67.9	128		n/a					
P1349	Nitrite (NO_2^-)			31	30	5	<5	810	680	810		n/a					
14808-79-8	Sulfate (SO_4^{2-})			31	31	45	31300	606000	254000	606000		400000		1		1	
P1134	pH (min.) (su)			31	31	0	6.8	7.6	7.5	7.6		6		0		0	
P1134	pH (max.) (su)			31	31	0	6.8	7.6	7.5	7.6		9		0		0	
P1287	Electrical conductivity (µS/cm)			31	31	10	540	1500	1250	1500		n/a					
120-12-7	Anthracene	**PH**	**H**	31	0	0.01	<0.01	<0.01	<0.01	<0.01		0.1		0		0	
50-32-8	Benzo(a)pyrene	**PH**	H	31	0	0.01	<0.01	<0.01	<0.01	<0.01		0.00017		31		0	Benzo(a)pyrene EQS used as marker substance for the group of benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene & indeno (1,2,3-cd)pyrene
206-44-0	Fluoranthene	***P***	**H**	31	0	0.01	<0.01	<0.01	<0.01	<0.01		0.0063		31		0	
91-20-3	Naphthalene	***P***	NP	31	0	0.01	<0.01	<0.01	<0.01	<0.01		2		0		0	
GRP01	PAHs = sum of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, indeno(1,2,3-cd)pyrene	***P***	**H**	31	0	0.04	<0.04	<0.04	<0.04	<0.04		n/a					
P1877	Phenol	SP	**NP**	31	24	1	<1	3.2	2.85	3.2		7.7		0		0	
P1407	Ali EC5-EC6			9	0	1	<1	<1	<1	<1		10		0		0	n-hexane fall within this fraction
P1408	Ali >EC6-EC8			9	0	1	<1	<1	<1	<1		10		0		0	n-heptane falls within this fraction
P1409	Ali >EC8-EC10			9	0	1	<1	<1	<1	<1		10		0		0	n-octane and n-nonane fall within this fraction
P1410	Ali >EC10-EC12			9	0	10	<10	<10	<10	<10		10		0		0	
P1411	Ali >EC12-EC16			9	0	10	<10	<10	<10	<10		10		0		0	
P1938	Ali >EC16-EC35			9	0	10	<10	<10	<10	<10		10		0		0	
P1415	Ali >EC35-EC44			9	0	10	<10	<10	<10	<10		10		0		0	
P1441	Aro EC5-EC7			9	0	1	<1	<1	<1	<1		10		0		0	Benzene wholly representative of this fraction
P1355	Aro >EC7-EC8			9	0	1	<1	<1	<1	<1		10		0		0	Toluene wholly representative of this fraction
P1356	Aro >EC8-EC10			9	0	1	<1	<1	<1	<1		10		0		0	Ethylbenzene / xylene / trimethylbenzene representative of this range
P1357	Aro >EC10-EC12			9	0	10	<10	<10	<10	<10		10		0		0	Naphthalene often forms a reasonable percentage of this fraction
P1358	Aro > EC12-EC16			9	0	10	<10	<10	<10	<10		10		0		0	2-methylnaphthalene, acenpthylene, acenapthene falls within this fraction
P1359	Aro >EC16-EC21			9	0	10	<10	<10	<10	<10		10		0		0	fluorene, anthracene, phenanthrene, pyrene falls within this range
P1360	Aro >EC21-EC35			9	0	10	<10	<10	<10	<10		10		0		0	Benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, indeno(cd)pyrene fall within this fraction

Summary of Remedial Targets Methodology Screening

Hydrock

RTM Level: RTM Level 2 - Groundwater Beneath Source Assessment - groundwater samples
Water body receptor(s): Groundwater and surface water
Secondary receptor(s):
Data set: Groundwater
Client: Oxford University Developments Ltd
Site: Begbroke
Job no: C19114
Test Certificates(s): 22-85131 & 22-86105
Dataset RTD

PNEC calculated (inland EQS)

P = priority substance
PH = priority hazardous substances.
WFD Designation (2015 Directions)
OP = Other substance identical to previous legislation
SP = Specific Pollutant
JAGDAG Hazardous Substances Determination (UK)
H Hazardous substance
NP Non-hazardous pollutant
(blank) Not included in assessment

CAS / AGS Number	Chemicals of Potential Concern (concentrations in µg/l)	WFD Designation	Hazardous Substance Status	Summary of Sample Data						Value Being Compared to Target = Maximum Value	Water Quality Target (Exceeded if Red)		No. Samples Exceeding Water Quality Target		No. Samples above LoD Exceeding Water Quality		Notes
				No. of Samples	No. of Samples > LoD	Limit of Detection	Minimum Value	Maximum Value	95-%ile Value			Inland Waters EQS		Inland Waters EQS		Inland Waters EQS	
P1362	Aro >EC35-EC44			9	0	10	<10	<10	<10	<10		10		0		0	
71-43-2	Benzene	***P***	**H**	9	0	1	<1	<1	<1	<1		10		0		0	
108-88-3	Toluene	SP	**H**	9	0	1	<1	<1	<1	<1		74		0		0	
100-41-4	Ethylbenzene		**H**	9	0	1	<1	<1	<1	<1		20		0		0	Proposed EQS for Ethylbenzene in Water, R&D Technical Report P2-115/TR4. EA 2001
95-47-6	o-Xylene		**H**	13	0	1	<1	<1	<1	<1		30		0		0	EQS for total xylene
P1374	m,p-Xylene		**H**	13	0	1	<1	<1	<1	<1		30		0		0	EQS for total xylene
1634-04-04	Methyl tertiary butyl ether (MTBE)		**NP**	9	0	1	<1	<1	<1	<1		n/a					

Summary of Remedial Targets Methodology Screening

Hydrock

Hydrock Scenario: Scenario B - EQS (inland)
RTM Level: RTM Level 2 - Groundwater Beneath Source Assessment - groundwater samples
Water body receptor(s): Groundwater and surface water
Secondary receptor(s):
Data set: Groundwater
Client: Oxford University Developments Ltd
Site: Begbroke
Job no: C19114
Test Certificates(s): 22-85131 & 22-86105
Dataset OCF

PNEC calculated (inland EQS)

2013/39/EU Annex I
P = priority substance
PH = priority hazardous substances.
WFD Designation (2015 Directions)
OP = Other substance identical to previous legislation
SP = Specific Pollutant
JAGDAG Hazardous Substances Determination (UK)
H Hazardous substance
NP Non-hazardous pollutant
(blank) Not included in assessment

CAS / AGS Number	Chemicals of Potential Concern (concentrations in µg/l)	WFD Designation	Hazardous Substance Status	Summary of Sample Data						Value Being Compared to Target = Maximum Value	Water Quality Target (Exceeded if Red		No. Samples Exceeding Water Quality Target		No. Samples above LoD Exceeding Water Quality		Notes
				No. of Samples	No. of Samples > LoD	Limit of Detection	Minimum Value	Maximum Value	95-%ile Value			Inland Waters EQS		Inland Waters EQS		Inland Waters EQS	EQS compared to dissolved metals as an initial screen, with no adjustment for bioavailability or ABC.
P1133	Hardness as mg/l $CaCO_3$			-	-	-	10	-	-	-		-					Representative hardness of receiving surface water environment used in some inland EQS
7440-22-4	Silver (Ag) (dissolved)			6	0	0.05	<0.05	<0.05	<0.05	<0.05		0.05		0		0	
7429-90-5	Aluminium (Al) (dissolved)			6	6	1	1.6	67	61	67		n/a					
7440-38-2	Arsenic (As) (dissolved)	SP	**H**	6	6	0.15	0.45	6.85	6.64	6.85		50		0		0	
7440-42-8	Boron (B) (dissolved)		NP	6	6	10	210	1500	1475	1500		2000		0		0	
7440-39-3	Barium (Ba) (dissolved)			6	6	0.06	31	75	74.75	75		n/a					
7440-43-9	Cadmium (Cd) (dissolved)	**PH**	NP	6	4	0.02	<0.02	0.06	0.0575	0.06		0.08		0		0	EQS (inland) dependent on hardness of receiving surface water environment
7440-48-4	Cobalt (Co) (dissolved)		NP	6	6	0.2	1.5	19	18.5	19		3		4		4	
18540-29-9	Chromium (VI) (Cr) (dissolved)	SP	**H**	6	0	5	<5	<5	<5	<5		3.4		6		0	
16065-83-1	Chromium (III) (Cr) (dissolved)	SP		6	6	5	5.3	9.2	9	9.2		4.7		6		6	
7440-47-3	Chromium (Cr) (total) (dissolved)			6	6	0.2	5.3	9.2	9	9.2		n/a					
7440-50-8	Copper (Cu) (dissolved)	SP	NP	6	6	0.5	1.4	8.5	7.975	8.5		1		6		6	Bioavailable EQS (inland)
7439-89-6	Iron (Fe) (dissolved)	SP		6	6	0.004	14	420	342.5	420		1000		0		0	
7439-97-6	Mercury (Hg) (dissolved)	**PH**	**H**	6	0	0.05	<0.05	<0.05	<0.05	<0.05		0.07		0		0	
P1286	Manganese (Mn) (dissolved)	SP		6	6	0.05	230	2500	2350	2500		123		6		6	Bioavailable EQS (inland)
7440-23-5	Sodium (Na) (dissolved)			6	6	0.01	33000	60000	59250	60000		n/a					
7440-02-0	Nickel (Ni) (dissolved)	***P***	NP	6	6	0.5	5.6	16	15.75	16		4		6		6	Bioavailable EQS (inland)
7439-92-1	Lead (Pb) (dissolved)	***P***	**H**	6	0	0.2	<0.2	<0.2	<0.2	<0.2		1.2		0		0	Bioavailable EQS (inland)
7440-36-0	Antimony (Sb) (dissolved)		NP	6	6	0.4	0.5	0.8	0.75	0.8		n/a					
7782-49-2	Selenium (Se) (dissolved)		NP	6	3	0.6	<0.6	3	2.475	3		n/a					
7440-31-5	Tin (Sn) (dissolved)			6	3	0.2	<0.2	0.39	0.38	0.39		25		0		0	
7440-62-2	Vanadium (V) (dissolved)			6	4	0.2	<0.2	0.6	0.525	0.6		20		0		0	EQS (inland) dependent on hardness of receiving surface water environment
7440-66-6	Zinc (Zn) (dissolved)	SP	NP	6	6	0.5	5.3	9.5	9.2	9.5		12.3		0		0	Bioavailable EQS (inland) + ambient background concentration (ABC)
P1095	Cyanide (free) (hydrogen cyanide)	SP	NP	6	0	1	<1	<1	<1	<1		1		0		0	
57-12-5	Cyanide (total)			6	1	1	<1	2.6	2.2	2.6		n/a					
P1140	Ammonium (NH_4^+)		NP	6	6	15	89	24000	23750	24000		n/a					
P1238	Ammoniacal Nitrogen (as N)		NP	6	6	15	69	18000	18000	18000		300		4		4	
P1720	Ammonia (unionised) (NH_3 as N) {free ammonia}	SP	NP	6	6	15	84	22000	17050	22000		n/a					
15541-45-4	Bromate (BrO_3)			6	6	0.002	2	2	2	2		n/a					
16887-00-6	Chloride (Cl^-)			6	6	0.15	28000	34000	34000	34000		250000		0		0	
16984-48-8	Fluoride (F^-)			6	6	50	110	170	162.5	170		1000		0		0	EQS (inland) dependent on hardness of receiving surface water environment
P1348	Nitrate (NO_3^-)			6	6	0.05	460	15300	14825	15300		n/a					
P1349	Nitrite (NO_2^-)			6	4	5	<5	1100	865	1100		n/a					
14808-79-8	Sulfate (SO_4^{2-})			6	6	45	127000	645000	627000	645000		400000		4		4	
P1134	pH (min.) (su)			6	6	0	6.7	7	6.975	7		6		0		0	
P1134	pH (max.) (su)			6	6	0	6.7	7	6.975	7		9		0		0	
P1287	Electrical conductivity (µS/cm)			6	6	10	690	1300	1300	1300		n/a					
120-12-7	Anthracene	**PH**	**H**	6	0	0.01	<0.01	<0.01	<0.01	<0.01		0.1		0		0	
50-32-8	Benzo(a)pyrene	**PH**	H	6	0	0.01	<0.01	<0.01	<0.01	<0.01		0.00017		6		0	Benzo(a)pyrene EQS used as marker substance for the group of benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene & indeno (1,2,3-cd)pyrene
206-44-0	Fluoranthene	***P***	**H**	6	0	0.01	<0.01	<0.01	<0.01	<0.01		0.0063		6		0	
91-20-3	Naphthalene	***P***	NP	6	0	0.01	<0.01	<0.01	<0.01	<0.01		2		0		0	
GRP01	PAHs = sum of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, indeno(1,2,3-cd)pyrene	***P***	**H**	6	0	0.04	<0.04	<0.04	<0.04	<0.04		n/a					
P1877	Phenol	SP	**NP**	6	5	1	<1	2.8	2.6	2.8		7.7		0		0	
P1407	Ali EC5-EC6			6	0	1	<1	<1	<1	<1		10		0		0	n-hexane fall within this fraction
P1408	Ali >EC6-EC8			6	0	1	<1	<1	<1	<1		10		0		0	n-heptane falls within this fraction
P1409	Ali >EC8-EC10			6	0	1	<1	<1	<1	<1		10		0		0	n-octane and n-nonane fall within this fraction
P1410	Ali >EC10-EC12			6	0	10	<10	<10	<10	<10		10		0		0	
P1411	Ali >EC12-EC16			6	0	10	<10	<10	<10	<10		10		0		0	
P1938	Ali >EC16-EC35			6	0	10	<10	<10	<10	<10		10		0		0	
P1415	Ali >EC35-EC44			6	0	10	<10	<10	<10	<10		10		0		0	
P1441	Aro EC5-EC7			6	0	1	<1	<1	<1	<1		10		0		0	Benzene wholly representative of this fraction
P1355	Aro >EC7-EC8			6	0	1	<1	<1	<1	<1		10		0		0	Toluene wholly representative of this fraction
P1356	Aro >EC8-EC10			6	0	1	<1	<1	<1	<1		10		0		0	Ethylbenzene / xylene / trimethylbenzene representative of this range
P1357	Aro >EC10-EC12			6	0	10	<10	<10	<10	<10		10		0		0	Naphthalene often forms a reasonable percentage of this fraction
P1358	Aro > EC12-EC16			6	0	10	<10	<10	<10	<10		10		0		0	2-methylnaphthalene, acenpthylene, acenapthene falls within this fraction
P1359	Aro >EC16-EC21			6	0	10	<10	<10	<10	<10		10		0		0	fluorene, anthracene, phenanthrene, pyrene falls within this range
P1360	Aro >EC21-EC35			6	0	10	<10	<10	<10	<10		10		0		0	Benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, indeno(cd)pyrene fall within this fraction

Summary of Remedial Targets Methodology Screening

Hydrock

RTM Level: RTM Level 2 - Groundwater Beneath Source Assessment - groundwater samples
Water body receptor(s): Groundwater and surface water
Secondary receptor(s):
Data set: Groundwater
Client: Oxford University Developments Ltd
Site: Begbroke
Job no: C19114
Test Certificates(s): 22-85131 & 22-86105
Dataset OCF

PNEC calculated (inland EQS)

P = priority substance
PH = priority hazardous substances.
WFD Designation (2015 Directions)
OP = Other substance identical to previous legislation
SP = Specific Pollutant
JAGDAG Hazardous Substances Determination (UK)
H Hazardous substance
NP Non-hazardous pollutant
(blank) Not included in assessment

CAS / AGS Number	Chemicals of Potential Concern (concentrations in µg/l)	WFD Designation	Hazardous Substance Status	Summary of Sample Data						Value Being Compared to Target = Maximum Value	Water Quality Target (Exceeded if Red)		No. Samples Exceeding Water Quality Target		No. Samples above LoD Exceeding Water Quality		Notes
				No. of Samples	No. of Samples > LoD	Limit of Detection	Minimum Value	Maximum Value	95-%ile Value			Inland Waters EQS		Inland Waters EQS		Inland Waters EQS	
P1362	Aro >EC35-EC44			6	0	10	<10	<10	<10	<10		10		0		0	
71-43-2	Benzene	***P***	**H**	6	0	1	<1	<1	<1	<1		10		0		0	
108-88-3	Toluene	SP	**H**	6	0	1	<1	<1	<1	<1		74		0		0	
100-41-4	Ethylbenzene		**H**	6	0	1	<1	<1	<1	<1		20		0		0	Proposed EQS for Ethylbenzene in Water, R&D Technical Report P2-115/TR4. EA 2001
95-47-6	o-Xylene		**H**	6	0	1	<1	<1	<1	<1		30		0		0	EQS for total xylene
P1374	m,p-Xylene		**H**	6	0	1	<1	<1	<1	<1		30		0		0	EQS for total xylene
1634-04-04	Methyl tertiary butyl ether (MTBE)		**NP**	6	0	1	<1	<1	<1	<1		n/a					

Appendix G Waste Assessment

HazWasteOnline™ Assessment

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)

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

VFU80-ZFGFR-2NEJE

Job name

23-17130_HWOL_Results

Description/Comments

i2 lab cert 23-17130

Project

19114

Site

Begbroke

Classified by

Name:
Nathan Thompson
Date:
29 Mar 2023 08:07 GMT
Telephone:
07557 345 513

Company:
Hydrock Consultants Ltd
Hawthorn Park
Holdenby Road, Spratton
Northampton
NN6 8LD

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: **CERTIFIED**

Course	Date
Hazardous Waste Classification	22 Apr 2021

Next 3 year Refresher due by Apr 2024

Purpose of classification

2 - Material Characterisation

Address of the waste

Begbroke Science Park **Post Code** N/A

SIC for the process giving rise to the waste

41202 Construction of domestic buildings

Description of industry/producer giving rise to the waste

Development of greenfield site to commercial / residential end use and railway bridge area

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

Waste created during development of the site

Description of the waste

Natural arisings. Topsoil and Alluvial soils.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP317--02022023-0.10		Non Hazardous		3
2	TP315--02022023-0.50		Non Hazardous		6
3	TP303--02022023-0.10		Non Hazardous		8
4	TP304--31012023-0.80		Non Hazardous		11
5	TP309--06022023-0.10		Non Hazardous		13
6	TP309--06022023-1.00		Non Hazardous		16
7	TP310--06022023-0.40		Non Hazardous		18
8	TP312--06022023-0.10		Non Hazardous		20

Related documents

#	Name	Description
1	23-17130_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Nathan Thompson

Created date: 29 Mar 2023 08:07 GMT

Classification of sample: TP317--02022023-0.10

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

Sample details

Sample name:
TP317--02022023-0.10
Moisture content:
22%
(wet weight correction)

LoW Code:
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: 22% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15	mg/kg	1.32	15.448	mg/kg	0.00154 %	✓	
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.93	mg/kg	2.775	2.013	mg/kg	0.000201 %	✓	
12		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4	mg/kg	13.43	4.19	mg/kg	0.000419 %	✓	
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32	mg/kg	1.462	46.77	mg/kg	0.00468 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13	mg/kg	1.126	11.417	mg/kg	0.00114 %	✓	
18		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
21		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	22	mg/kg		17.16	mg/kg	0.00172 %	✓	
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
26		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		17	mg/kg	1.579	20.944	mg/kg	0.00209 %	✓	
28		pH			PH		7.8	pH		7.8	pH	7.8 pH		
29		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
32		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
34		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]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
35		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		58	mg/kg	1.245	56.311	mg/kg	0.00563 %	✓	
36		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		49	mg/kg	1.785	68.23	mg/kg	0.00682 %	✓	
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
											Total:	0.0262 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP315--02022023-0.50

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

Sample details

Sample name:
TP315--02022023-0.50
Moisture content:
16%
(wet weight correction)

LoW Code:
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: 16% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		32	mg/kg	1.32	35.49	mg/kg	0.00355 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1	mg/kg	2.775	2.564	mg/kg	0.000256 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3	mg/kg	13.43	3.384	mg/kg	0.000338 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		40	mg/kg	1.462	58.462	mg/kg	0.00585 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<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									
16		copper { dicopper oxide; copper (I) oxide }				9.4	mg/kg	1.126	8.89	mg/kg	0.000889 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	12	mg/kg		10.08	mg/kg	0.00101 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				31	mg/kg	1.579	41.13	mg/kg	0.00411 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8	pH		8	pH	8pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				41	mg/kg	1.245	42.868	mg/kg	0.00429 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				70	mg/kg	1.785	104.969	mg/kg	0.0105 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0317 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP303--02022023-0.10

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

Sample details

Sample name:
TP303--02022023-0.10
Moisture content:
15%
(wet weight correction)

LoW Code:
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: 15% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		35	mg/kg	1.32	39.28	mg/kg	0.00393 %	✓	
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1	mg/kg	2.775	2.595	mg/kg	0.000259 %	✓	
12		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8	mg/kg	13.43	9.132	mg/kg	0.000913 %	✓	
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		40	mg/kg	1.462	58.462	mg/kg	0.00585 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<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									
16		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				19	mg/kg	1.126	18.183	mg/kg	0.00182 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	160	mg/kg		136	mg/kg	0.0136 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				28	mg/kg	1.579	37.592	mg/kg	0.00376 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8	pH		8	pH	8pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
35		zinc { zinc oxide }				65	mg/kg	1.245	68.77	mg/kg	0.00688 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				70	mg/kg	1.785	106.219	mg/kg	0.0106 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0495 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP304--31012023-0.80

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

Sample details

Sample name:
TP304--31012023-0.80
Moisture content:
16%
(wet weight correction)

LoW Code:
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: 16% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		62	mg/kg	1.32	68.763	mg/kg	0.00688 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6	mg/kg	2.775	3.73	mg/kg	0.000373 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<0.2	mg/kg	13.43	<2.686	mg/kg	<0.000269 %		<LOD
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		49	mg/kg	1.462	71.616	mg/kg	0.00716 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<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									
16		copper { dicopper oxide; copper (I) oxide }				16	mg/kg	1.126	15.132	mg/kg	0.00151 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	18	mg/kg		15.12	mg/kg	0.00151 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				58	mg/kg	1.579	76.953	mg/kg	0.0077 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				89	mg/kg	1.245	93.055	mg/kg	0.00931 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				89	mg/kg	1.785	133.46	mg/kg	0.0133 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.049 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP309--06022023-0.10

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

Sample details

Sample name:
TP309--06022023-0.10
Moisture content:
21%
(wet weight correction)

LoW Code:
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: 21% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		21	mg/kg	1.32	21.904	mg/kg	0.00219 %	✓	
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.95	mg/kg	2.775	2.083	mg/kg	0.000208 %	✓	
12		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1	mg/kg	13.43	10.61	mg/kg	0.00106 %	✓	
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34	mg/kg	1.462	49.693	mg/kg	0.00497 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15	mg/kg	1.126	13.342	mg/kg	0.00133 %	✓	
18		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
21		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	21	mg/kg		16.59	mg/kg	0.00166 %	✓	
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
26		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		19	mg/kg	1.579	23.708	mg/kg	0.00237 %	✓	
28		pH			PH		7	pH		7	pH	7pH		
29		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
32		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
34		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]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
35		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		55	mg/kg	1.245	54.083	mg/kg	0.00541 %	✓	
36		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		51	mg/kg	1.785	71.925	mg/kg	0.00719 %	✓	
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
											Total:	0.0283 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP309--06022023-1.00

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

Sample details

Sample name:
TP309--06022023-1.00
Moisture content:
9.3%
(wet weight correction)

LoW Code:
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: 9.3% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		57	mg/kg	1.32	68.26	mg/kg	0.00683 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4	mg/kg	2.775	3.524	mg/kg	0.000352 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<0.2	mg/kg	13.43	<2.686	mg/kg	<0.000269 %		<LOD
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		52	mg/kg	1.462	76.001	mg/kg	0.0076 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<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									
16		copper { dicopper oxide; copper (I) oxide }				9	mg/kg	1.126	9.191	mg/kg	0.000919 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	11	mg/kg		9.977	mg/kg	0.000998 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				30	mg/kg	1.579	42.978	mg/kg	0.0043 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.5	pH		8.5	pH	8.5 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				62	mg/kg	1.245	69.995	mg/kg	0.007 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				100	mg/kg	1.785	161.916	mg/kg	0.0162 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0454 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP310--06022023-0.40

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

Sample details

Sample name:
TP310--06022023-0.40
Moisture content:
17%
(wet weight correction)

LoW Code:
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: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	17.534 mg/kg	0.00175 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1 mg/kg	2.775	2.304 mg/kg	0.00023 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.459 mg/kg	0.000446 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33 mg/kg	1.462	48.231 mg/kg	0.00482 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<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									
16		copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	11.214	mg/kg	0.00112 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	12	mg/kg		9.96	mg/kg	0.000996 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				20	mg/kg	1.579	26.22	mg/kg	0.00262 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				45	mg/kg	1.245	46.49	mg/kg	0.00465 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				51	mg/kg	1.785	75.567	mg/kg	0.00756 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0251 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP312--06022023-0.10

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

Sample details

Sample name:
TP312--06022023-0.10
Moisture content:
21%
(wet weight correction)

LoW Code:
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: 21% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17 mg/kg	1.32	17.732 mg/kg	0.00177 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1 mg/kg	2.775	2.193 mg/kg	0.000219 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.6 mg/kg	13.43	16.976 mg/kg	0.0017 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<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									
16		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				14	mg/kg	1.126	12.452	mg/kg	0.00125 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	22	mg/kg		17.38	mg/kg	0.00174 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				19	mg/kg	1.579	23.708	mg/kg	0.00237 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
35		zinc { zinc oxide }				57	mg/kg	1.245	56.049	mg/kg	0.0056 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				53	mg/kg	1.785	74.746	mg/kg	0.00747 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.029 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

boron tribromide/trichloride/trifluoride (combined) (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , Skin Corr. 1B; H314

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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

lead compounds with the exception of those specified elsewhere in this Annex

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
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 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

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

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

monohydric phenols (CAS Number: P1186)

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

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

GB MCL index number: 023-001-00-8
Description/Comments:
Additional Hazard Statement(s): Carc. 1B; H350 , Acute Tox. 3; H301 , Acute Tox. 2; H330
Reason for additional Hazards Statement(s):
20 Sep 2022 - Carc. 1B; H350 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 3; H301 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 3; H301". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 2; H330 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 2; H330". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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}

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2023.73.5544.10256 (14 Mar 2023)
HazWasteOnline Database: 2023.73.5544.10256 (14 Mar 2023)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

Hydrock

HazWasteOnline™

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)

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

WLAQ6-MSRNL-JY8T0

Job name

21-96277_HWOL_Results

Description/Comments

Lab Cert 21-926077

Project

19114

Site

Begbroke

Classified by

Name:
Nathan Thompson
Date:
08 Oct 2021 13:48 GMT
Telephone:
07557 345 513

Company:
Hydrock Consultants Ltd
Hawthorn Park
Holdenby Road, Spratton
Northampton
NN6 8LD

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: **CERTIFIED**

Course	Date
Hazardous Waste Classification	22 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH01--18082021-2.50		Non Hazardous		3
2	BH02--19082021-3.00		Hazardous	HP 3(i), HP 7, HP 11	5
3	BH02--19082021-1.50		Non Hazardous		11
4	BH03--18082021-1.00		Hazardous	HP 14	13
5	TP01--17082021-1.00		Non Hazardous		15
6	TP02--20082021-0.80		Non Hazardous		20
7	TP02--20082021-1.50		Non Hazardous		23
8	TP02--20082021-2.50		Hazardous	HP 3(i), HP 7, HP 11	26
9	TP02--20082021-3.30		Non Hazardous		31
10	TP03--20082021-2.30		Hazardous	HP 14	34
11	tp04--20082021-0.50		Non Hazardous		40
12	TP05--20082021-0.50		Non Hazardous		42
13	TP05--20082021-2.00		Non Hazardous		43
14	TP05--20082021-1.30		Non Hazardous		48
15	TP06--20082021-0.70		Non Hazardous		49
16	TP07--20082021-0.10		Non Hazardous		51
17	TP07--20082021-2.70		Non Hazardous		53
18	WS01--18082021-0.10		Non Hazardous		56
19	WS02--18082021-0.20		Non Hazardous		58
20	WS02--18082021-0.80		Non Hazardous		60
21	WS03--18082021-1.00		Non Hazardous		62
22	WS04--18082021-2.50		Non Hazardous		63
23	WS05--18082021-2.90		Non Hazardous		68
24	WS05--18082021-3.80		Non Hazardous		71
25	WS06--19082021-1.80		Non Hazardous		73
26	WS07--19082021-2.30		Non Hazardous		78
27	WS08--19082021-3.40		Non Hazardous		84
28	WS09--19082021-2.50		Non Hazardous		89
29	WS09--19082021-3.00		Non Hazardous		91

Related documents

#	Name	Description
1	21-96277_HWOL_Results.hwol	.hwol file used to create the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Nathan Thompson

Created date: 08 Oct 2021 13:48 GMT

Classification of sample: BH01--18082021-2.50

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

Sample details

Sample name:
BH01--18082021-2.50
Moisture content:
18%
(wet weight correction)

LoW Code:
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: 18% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
2		acenaphthylene 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
3		anthracene 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
4		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		78 mg/kg	1.32	84.448 mg/kg	0.00844 %	✓	
5		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		1.5 mg/kg		1.23 mg/kg	0.000123 %	✓	
6		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		1.3 mg/kg		1.066 mg/kg	0.000107 %	✓	
7		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		1.7 mg/kg		1.394 mg/kg	0.000139 %	✓	
8		benzo[ghi]perylene 205-883-8 / 191-24-2		1 mg/kg		0.82 mg/kg	0.000082 %	✓	
9		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		0.53 mg/kg		0.435 mg/kg	0.0000435 %	✓	
10		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		2 mg/kg	2.775	4.552 mg/kg	0.000455 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		1.8 mg/kg	13.43	19.823 mg/kg	0.00198 %	✓	
12		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	1.5 mg/kg	1.285	1.581 mg/kg	0.000123 %	✓	
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		75 mg/kg	1.462	89.886 mg/kg	0.00899 %	✓	
14		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
15		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		1.2 mg/kg		0.984 mg/kg	0.0000984 %	✓	
16		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		35 mg/kg	1.126	32.313 mg/kg	0.00323 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				0.27	mg/kg		0.221	mg/kg	0.0000221 %	✓	
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				2	mg/kg		1.64	mg/kg	0.000164 %	✓	
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				0.96	mg/kg		0.787	mg/kg	0.0000787 %	✓	
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	170	mg/kg		139.4	mg/kg	0.0139 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				44	mg/kg	1.579	56.988	mg/kg	0.0057 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				0.62	mg/kg		0.508	mg/kg	0.0000508 %	✓	
			201-581-5	85-01-8									
28		pyrene				1.9	mg/kg		1.558	mg/kg	0.000156 %	✓	
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				240	mg/kg	1.245	244.96	mg/kg	0.0245 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				140	mg/kg	1.785	204.939	mg/kg	0.0205 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0896 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH02--19082021-3.00

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
BH02--19082021-3.00
Moisture content:
19%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

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 hazardous because Samples wet & unlikely to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.154%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.154%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.154%)

Determinands

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

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
2		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
3		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
4		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
5		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		84 mg/kg	1.32	89.835 mg/kg	0.00898 %	✓	

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
6		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
7		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		benzo[ghi]perylene 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
12		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		2.4 mg/kg	2.775	5.395 mg/kg	0.00054 %	✓	
13		boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		3.4 mg/kg	13.43	36.986 mg/kg	0.0037 %	✓	
14		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	5.3 mg/kg	1.285	5.518 mg/kg	0.000429 %	✓	
15		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		74 mg/kg	1.462	87.606 mg/kg	0.00876 %	✓	
16		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
17		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
18		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		1000 mg/kg	1.126	911.97 mg/kg	0.0912 %	✓	
19		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		<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
20		dibenz[a,h]anthracene 601-041-00-2 / 200-181-8 / 53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
21		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
22		fluoranthene 205-912-4 / 206-44-0		0.92 mg/kg		0.745 mg/kg	0.0000745 %	✓	
23		fluorene 201-695-5 / 86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24		indeno[123-cd]pyrene 205-893-2 / 193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25		lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6	1	120 mg/kg		97.2 mg/kg	0.00972 %	✓	
26		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
27		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.0001 mg/kg		<0.0001 mg/kg	<0.00000001 %		<LOD
28		nickel { nickel dihydroxide } 028-008-00-X / 235-008-5 [1] 234-348-1 [2] / 12054-48-7 [1] 11113-74-9 [2]		150 mg/kg	1.579	191.909 mg/kg	0.0192 %	✓	
29		pH PH		7.9 pH		7.9 pH	7.9 pH		
30		phenanthrene 201-581-5 / 85-01-8		0.32 mg/kg		0.259 mg/kg	0.0000259 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
31		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
32		pyrene				0.93	mg/kg		0.753	mg/kg	0.0000753 %	✓	
			204-927-3	129-00-0									
33		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
34		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
35		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
36		TPH (C6 to C40) petroleum group				1900	mg/kg		1539	mg/kg	0.154 %	✓	
				TPH									
37		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
38		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<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]									
39		zinc { zinc oxide }				540	mg/kg	1.245	544.438	mg/kg	0.0544 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
40		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
41		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
42		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
43		vanadium { divanadium pentaoxide; vanadium pentoxide }				130	mg/kg	1.785	187.98	mg/kg	0.0188 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
44		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
45		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
46		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
47		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2,3-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-757-1	87-61-6									
50		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
51		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
52		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
53		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
57		2,2-dichloropropane		209-832-0	594-20-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
58		bromodichloromethane		200-856-7	75-27-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
59		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
60		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
61		n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
62		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]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
63		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
64		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
65		chloroethane	602-009-00-0	200-830-5	75-00-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
66		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
67		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
68		dibromochloromethane		204-704-0	124-48-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
69		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
70		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
71		hexachlorobutadiene		201-765-5	87-68-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
72		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
73		4-isopropyltoluene		202-796-7	99-87-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
74		sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
75		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
76		trans-1,3-dichloropropene		431-460-4	10061-02-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
77		tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
78		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
79		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
80		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
81		trichlorofluoromethane		200-892-3	75-69-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
82		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
83		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
84		aniline	612-008-00-7	200-539-3	62-53-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
85		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
86		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
87		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
88		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
89		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
90		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
91		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
92		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
93		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
94		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
95		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
96		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
97		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
98		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
99		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
100		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
101		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
102		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
103		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
104		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
105		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
106		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
107		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
108		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
109		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
110		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
111		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
112		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
113		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		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]									
114		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
115		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.371 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH02--19082021-1.50

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

Sample details

Sample name:
BH02--19082021-1.50
Moisture content:
25%
(wet weight correction)

LoW Code:
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: 25% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
2		acenaphthylene 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
3		anthracene 204-371-1 / 120-12-7		0.62 mg/kg		0.465 mg/kg	0.0000465 %	✓	
4		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		40 mg/kg	1.32	39.61 mg/kg	0.00396 %	✓	
5		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		1.6 mg/kg		1.2 mg/kg	0.00012 %	✓	
6		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		1.4 mg/kg		1.05 mg/kg	0.000105 %	✓	
7		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		1.7 mg/kg		1.275 mg/kg	0.000127 %	✓	
8		benzo[ghi]perylene 205-883-8 / 191-24-2		1 mg/kg		0.75 mg/kg	0.000075 %	✓	
9		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		0.51 mg/kg		0.383 mg/kg	0.0000383 %	✓	
10		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		3.2 mg/kg	2.775	6.661 mg/kg	0.000666 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		6.6 mg/kg	13.43	66.479 mg/kg	0.00665 %	✓	
12		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	2.5 mg/kg	1.285	2.41 mg/kg	0.000188 %	✓	
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		54 mg/kg	1.462	59.193 mg/kg	0.00592 %	✓	
14		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
15		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		1.2 mg/kg		0.9 mg/kg	0.00009 %	✓	
16		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		240 mg/kg	1.126	202.66 mg/kg	0.0203 %	✓	

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.28	mg/kg		0.21	mg/kg	0.000021 %	✓	
19		fluoranthene		205-912-4	206-44-0		2.1	mg/kg		1.575	mg/kg	0.000158 %	✓	
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		0.93	mg/kg		0.698	mg/kg	0.0000698 %	✓	
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	210	mg/kg		157.5	mg/kg	0.0158 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		46	mg/kg	1.579	54.493	mg/kg	0.00545 %	✓	
26		pH			PH		7.3	pH		7.3	pH	7.3 pH		
27		phenanthrene		201-581-5	85-01-8		1.3	mg/kg		0.975	mg/kg	0.0000975 %	✓	
28		pyrene		204-927-3	129-00-0		2	mg/kg		1.5	mg/kg	0.00015 %	✓	
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		2100	mg/kg	1.245	1960.425	mg/kg	0.196 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		61	mg/kg	1.785	81.672	mg/kg	0.00817 %	✓	
											Total:	0.265 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH03--18082021-1.00

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
BH03--18082021-1.00
Moisture content:
19%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinand:

zinc oxide: (compound conc.: 0.373%)

Determinands

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

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		53 mg/kg	1.32	56.682 mg/kg	0.00567 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.5 mg/kg		0.405 mg/kg	0.0000405 %	✓	
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.64 mg/kg		0.518 mg/kg	0.0000518 %	✓	
8		benzo[ghi]perylene		205-883-8	191-24-2		0.4 mg/kg		0.324 mg/kg	0.0000324 %	✓	
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.27 mg/kg		0.219 mg/kg	0.0000219 %	✓	
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6 mg/kg	2.775	3.597 mg/kg	0.00036 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		12 mg/kg	13.43	130.54 mg/kg	0.0131 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	3.4 mg/kg	1.285	3.54 mg/kg	0.000275 %	✓	
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		55 mg/kg	1.462	65.112 mg/kg	0.00651 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
15		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				920	mg/kg	1.126	839.012	mg/kg	0.0839 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				0.72	mg/kg		0.583	mg/kg	0.0000583 %	✓	
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				0.35	mg/kg		0.284	mg/kg	0.0000284 %	✓	
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	420	mg/kg		340.2	mg/kg	0.034 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				90	mg/kg	1.579	115.146	mg/kg	0.0115 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				0.27	mg/kg		0.219	mg/kg	0.0000219 %	✓	
			201-581-5	85-01-8									
28		pyrene				0.66	mg/kg		0.535	mg/kg	0.0000535 %	✓	
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				3700	mg/kg	1.245	3730.408	mg/kg	0.373 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				84	mg/kg	1.785	121.464	mg/kg	0.0121 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.542 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP01--17082021-1.00

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

Sample details

Sample name:
TP01--17082021-1.00
Moisture content:
21%
(wet weight correction)

LoW Code:
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: 21% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	1,1-dichloroethane and 1,2-dichloroethane (combined) / 203-458-1, 200-863-5 / 107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
2	acenaphthene / 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	acenaphthylene / 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	anthracene / 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
5	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		73 mg/kg	1.32	76.143 mg/kg	0.00761 %	✓	
6	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
7	benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[ghi]perylene / 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
12	beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		3 mg/kg	2.775	6.578 mg/kg	0.000658 %	✓	
13	boron { boron tribromide/trichloride/trifluoride (combined) } / / 10294-33-4, 10294-34-5, 7637-07-2		8.2 mg/kg	13.43	87 mg/kg	0.0087 %	✓	
14	cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
15	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } / 215-160-9 / 1308-38-9		55 mg/kg	1.462	63.505 mg/kg	0.00635 %	✓	
16	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
18		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		300	mg/kg	1.126	266.836	mg/kg	0.0267 %	✓	
19		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
20		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
22		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	730	mg/kg		576.7	mg/kg	0.0577 %	✓	
26		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
27		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.0001	mg/kg		<0.0001	mg/kg	<0.00000001 %		<LOD
28		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		91	mg/kg	1.579	113.55	mg/kg	0.0114 %	✓	
29		pH			PH		8	pH		8	pH	8pH		
30		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		phenol	604-001-00-2	203-632-7	108-95-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
32		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
34		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
35		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
36		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
37		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]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
38		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		340	mg/kg	1.245	334.33	mg/kg	0.0334 %	✓	
39		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
40		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
42		vanadium { divanadium pentaoxide; vanadium pentoxide }				93	mg/kg	1.785	131.158	mg/kg	0.0131 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
43		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
45		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
46		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
47		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
48		1,2,3-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-757-1	87-61-6									
49		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
50		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
51		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
54		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
55		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
56		2,2-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7									
57		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
58		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
61		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
62		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
63		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
64		chloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
65		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
66		chloromethane; methyl chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
67		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
68		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
69		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
70		hexachlorobutadiene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
73		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
74		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
75		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
76		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
77		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
78		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
79		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
80		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
81		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
82		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
83		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
86		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
87		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
88		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
89		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
92		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
93		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
94		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
95		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
96		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
97		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
98		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
99		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
100		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
101		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
102		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
103		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
104		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
105		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
106		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
107		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
108		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
109		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
110		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
111		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		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]									
113		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
114		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.167 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP02--20082021-0.80

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

Sample details

Sample name:
TP02--20082021-0.80
Moisture content:
23%
(wet weight correction)

LoW Code:
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: 23% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		85 mg/kg	1.32	86.415 mg/kg	0.00864 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.6 mg/kg		0.462 mg/kg	0.0000462 %	✓	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.49 mg/kg		0.377 mg/kg	0.0000377 %	✓	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.57 mg/kg		0.439 mg/kg	0.0000439 %	✓	
9	benzo[ghi]perylene		205-883-8	191-24-2		0.39 mg/kg		0.3 mg/kg	0.00003 %	✓	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.32 mg/kg		0.246 mg/kg	0.0000246 %	✓	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		7.3 mg/kg	2.775	15.6 mg/kg	0.00156 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		17 mg/kg	13.43	175.799 mg/kg	0.0176 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		56 mg/kg	1.462	63.022 mg/kg	0.0063 %	✓	
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		0.6 mg/kg		0.462 mg/kg	0.0000462 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		copper { dicopper oxide; copper (I) oxide }				170	mg/kg	1.126	147.379	mg/kg	0.0147 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				1	mg/kg		0.77	mg/kg	0.000077 %	✓	
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.32	mg/kg		0.246	mg/kg	0.0000246 %	✓	
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	270	mg/kg		207.9	mg/kg	0.0208 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				81	mg/kg	1.579	98.513	mg/kg	0.00985 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8	pH		8	pH	8pH		
				PH									
29		phenanthrene				0.64	mg/kg		0.493	mg/kg	0.0000493 %	✓	
			201-581-5	85-01-8									
30		pyrene				0.84	mg/kg		0.647	mg/kg	0.0000647 %	✓	
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				120	mg/kg		92.4	mg/kg	0.00924 %	✓	
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				1300	mg/kg	1.245	1245.959	mg/kg	0.125 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				110	mg/kg	1.785	151.205	mg/kg	0.0151 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.23 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

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 Samples wet & unlikely to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00924%)

Classification of sample: TP02--20082021-1.50

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

Sample details

Sample name:
TP02--20082021-1.50
Moisture content:
19%
(wet weight correction)

LoW Code:
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: 19% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		0.95 mg/kg		0.77 mg/kg	0.000077 %	✓	
2	acenaphthylene		205-917-1	208-96-8		0.58 mg/kg		0.47 mg/kg	0.000047 %	✓	
3	anthracene		204-371-1	120-12-7		3.7 mg/kg		2.997 mg/kg	0.0003 %	✓	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		27 mg/kg	1.32	28.876 mg/kg	0.00289 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		12 mg/kg		9.72 mg/kg	0.000972 %	✓	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		8.5 mg/kg		6.885 mg/kg	0.000689 %	✓	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		9.7 mg/kg		7.857 mg/kg	0.000786 %	✓	
9	benzo[ghi]perylene		205-883-8	191-24-2		5.7 mg/kg		4.617 mg/kg	0.000462 %	✓	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		4.6 mg/kg		3.726 mg/kg	0.000373 %	✓	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	2.922 mg/kg	0.000292 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		14 mg/kg	13.43	152.296 mg/kg	0.0152 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25 mg/kg	1.462	29.597 mg/kg	0.00296 %	✓	
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
16	chrysene	601-048-00-0	205-923-4	218-01-9		8.8 mg/kg		7.128 mg/kg	0.000713 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		copper { dicopper oxide; copper (I) oxide }				34	mg/kg	1.126	31.007	mg/kg	0.0031 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				1.6	mg/kg		1.296	mg/kg	0.00013 %	✓	
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				21	mg/kg		17.01	mg/kg	0.0017 %	✓	
			205-912-4	206-44-0									
22		fluorene				1.6	mg/kg		1.296	mg/kg	0.00013 %	✓	
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				5.2	mg/kg		4.212	mg/kg	0.000421 %	✓	
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	57	mg/kg		46.17	mg/kg	0.00462 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				24	mg/kg	1.579	30.705	mg/kg	0.00307 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
29		phenanthrene				11	mg/kg		8.91	mg/kg	0.000891 %	✓	
			201-581-5	85-01-8									
30		pyrene				17	mg/kg		13.77	mg/kg	0.00138 %	✓	
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				270	mg/kg		218.7	mg/kg	0.0219 %	✓	
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				290	mg/kg	1.245	292.383	mg/kg	0.0292 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				50	mg/kg	1.785	72.3	mg/kg	0.00723 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.1 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

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 Samples wet & unlikely to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0219%)

Classification of sample: TP02--20082021-2.50

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
TP02--20082021-2.50
Moisture content:
18%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

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 hazardous because Samples wet & unlikely to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.156%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.156%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.156%)

Determinands

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

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
1		1,1-dichloroethane and 1,2-dichloroethane (combined)									
			203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
2		acenaphthene									
			201-469-6	83-32-9		20 mg/kg		16.4 mg/kg	0.00164 %	✓	
3		acenaphthylene									
			205-917-1	208-96-8		4.1 mg/kg		3.362 mg/kg	0.000336 %	✓	
4		anthracene									
			204-371-1	120-12-7		57 mg/kg		46.74 mg/kg	0.00467 %	✓	
5		benzene									
		601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
6		benzo[a]anthracene				83	mg/kg		68.06	mg/kg	0.00681 %	✓	
		601-033-00-9	200-280-6	56-55-3									
7		benzo[a]pyrene; benzo[def]chrysene				59	mg/kg		48.38	mg/kg	0.00484 %	✓	
		601-032-00-3	200-028-5	50-32-8									
8		benzo[b]fluoranthene				63	mg/kg		51.66	mg/kg	0.00517 %	✓	
		601-034-00-4	205-911-9	205-99-2									
9	●	benzo[ghi]perylene				31	mg/kg		25.42	mg/kg	0.00254 %	✓	
			205-883-8	191-24-2									
10		benzo[k]fluoranthene				26	mg/kg		21.32	mg/kg	0.00213 %	✓	
		601-036-00-5	205-916-6	207-08-9									
11		chrysene				49	mg/kg		40.18	mg/kg	0.00402 %	✓	
		601-048-00-0	205-923-4	218-01-9									
12		dibenz[a,h]anthracene				8.5	mg/kg		6.97	mg/kg	0.000697 %	✓	
		601-041-00-2	200-181-8	53-70-3									
13	●	ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
14	●	fluoranthene				190	mg/kg		155.8	mg/kg	0.0156 %	✓	
			205-912-4	206-44-0									
15	●	fluorene				34	mg/kg		27.88	mg/kg	0.00279 %	✓	
			201-695-5	86-73-7									
16	●	indeno[123-cd]pyrene				28	mg/kg		22.96	mg/kg	0.0023 %	✓	
			205-893-2	193-39-5									
17		naphthalene				5.7	mg/kg		4.674	mg/kg	0.000467 %	✓	
		601-052-00-2	202-049-5	91-20-3									
18	●	phenanthrene				190	mg/kg		155.8	mg/kg	0.0156 %	✓	
			201-581-5	85-01-8									
19		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
20	●	pyrene				150	mg/kg		123	mg/kg	0.0123 %	✓	
			204-927-3	129-00-0									
21		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-028-00-4	204-825-9	127-18-4									
22		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
23	●	TPH (C6 to C40) petroleum group				1900	mg/kg		1558	mg/kg	0.156 %	✓	
				TPH									
24		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-027-00-9	201-167-4	79-01-6									
25		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**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]									
26		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
27		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
28		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-013-00-2	200-756-3	71-55-6									
29		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-015-00-3	201-197-8	79-34-5									
30		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-014-00-8	201-166-9	79-00-5									
31		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-025-00-8	200-864-0	75-35-4									
32		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-031-00-0	209-253-3	563-58-6									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
33		1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
34		1,2,4-trimethylbenzene	202-436-9	95-63-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3											
35		1,2-dibromoethane	203-444-5	106-93-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6											
36		1,2-dichlorobenzene; o-dichlorobenzene	202-425-9	95-50-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7											
37		1,2-dichloropropane; propylene dichloride	201-152-2	78-87-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0											
38		1,3-dichlorbenzene	208-792-1	541-73-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7											
39		1,3-dichloropropane	205-531-3	142-28-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
40		1,4-dichlorobenzene; p-dichlorobenzene	203-400-5	106-46-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2											
41		2,2-dichloropropane	209-832-0	594-20-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
42		bromodichloromethane	200-856-7	75-27-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
43		bromomethane; methylbromide	200-813-2	74-83-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2											
44		bromobenzene	203-623-8	108-86-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9											
45		n-butylbenzene	203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
46		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5											
47		chlorobenzene	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1											
48		carbon tetrachloride; tetrachloromethane	200-262-8	56-23-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5											
49		chloroethane	200-830-5	75-00-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-009-00-0											
50		chloroform; trichloromethane	200-663-8	67-66-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4											
51		chloromethane; methyl chloride	200-817-4	74-87-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-001-00-7											
52		dibromochloromethane	204-704-0	124-48-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
53		1,2-dibromo-3-chloropropane	202-479-3	96-12-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6											
54		dibromomethane	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8											
55		hexachlorobutadiene	201-765-5	87-68-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
56		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X											
57		4-isopropyltoluene	202-796-7	99-87-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
58		sec-butylbenzene	205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
59		styrene	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0											
60		trans-1,3-dichloropropene	431-460-4	10061-02-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
61		tert-butylbenzene	202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
64		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
65		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
66		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
67		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
68		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
69		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
70		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
71		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
72		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
73		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
74		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
77		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
78		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
79		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
80		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
81		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
82		2-methyl naphthalene				6.3	mg/kg		5.166	mg/kg	0.000517 %	✓	
			202-078-3	91-57-6									
83		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
84		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
85		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
86		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
87	●	dibenzofuran				17	mg/kg		13.94	mg/kg	0.00139 %	✓	
			205-071-3	132-64-9									
88	●	4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
89	●	diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
90		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
91		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
92	●	4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
93	●	carbazole				19	mg/kg		15.58	mg/kg	0.00156 %	✓	
			201-696-0	86-74-8									
94		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
95		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
96		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
97		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		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]									
98		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
99		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.242 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: TP02--20082021-3.30

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

Sample details

Sample name:
TP02--20082021-3.30
Moisture content:
15%
(wet weight correction)

LoW Code:
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: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	acenaphthene / 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene / 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene / 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		84 mg/kg	1.32	94.271 mg/kg	0.00943 %	✓	
5	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene / 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1.8 mg/kg	2.775	4.246 mg/kg	0.000425 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) } / / 10294-33-4, 10294-34-5, 7637-07-2		2.2 mg/kg	13.43	25.114 mg/kg	0.00251 %	✓	
13	cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } / 215-160-9 / 1308-38-9		54 mg/kg	1.462	67.085 mg/kg	0.00671 %	✓	
15	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
16	chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22	mg/kg	1.126	21.054	mg/kg	0.00211 %	✓	
18	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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	24	mg/kg		20.4	mg/kg	0.00204 %	✓	
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		57	mg/kg	1.579	76.527	mg/kg	0.00765 %	✓	
28	pH			PH		8.7	pH		8.7	pH	8.7 pH		
29	phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30	pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
34	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]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		250	mg/kg	1.245	264.502	mg/kg	0.0265 %	✓	
36	monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		150	mg/kg	1.785	227.611	mg/kg	0.0228 %	✓	
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
										Total:	0.0819 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP03--20082021-2.30

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
TP03--20082021-2.30
Moisture content:
22%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinand:

zinc oxide: (compound conc.: 0.631%)

Determinands

Moisture content: 22% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
2		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
3		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
4		anthracene		204-371-1	120-12-7		0.22	mg/kg		0.172	mg/kg	0.0000172 %	✓	
5		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		77	mg/kg	1.32	79.299	mg/kg	0.00793 %	✓	
6		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
7		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1	mg/kg		0.78	mg/kg	0.000078 %	✓	
8		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.84	mg/kg		0.655	mg/kg	0.0000655 %	✓	
9		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.9	mg/kg		0.702	mg/kg	0.0000702 %	✓	
10		benzo[ghi]perylene		205-883-8	191-24-2		0.63	mg/kg		0.491	mg/kg	0.0000491 %	✓	
11		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.53	mg/kg		0.413	mg/kg	0.0000413 %	✓	
12		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2.3	mg/kg	2.775	4.979	mg/kg	0.000498 %	✓	
13		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		4.4	mg/kg	13.43	46.092	mg/kg	0.00461 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		cadmium { cadmium sulfide }			1	22	mg/kg	1.285	22.055	mg/kg	0.00172 %	✓	
		048-010-00-4	215-147-8	1306-23-6									
15		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				55	mg/kg	1.462	62.701	mg/kg	0.00627 %	✓	
			215-160-9	1308-38-9									
16		chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
17		chrysene				0.89	mg/kg		0.694	mg/kg	0.0000694 %	✓	
		601-048-00-0	205-923-4	218-01-9									
18		copper { dicopper oxide; copper (I) oxide }				81	mg/kg	1.126	71.134	mg/kg	0.00711 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
21		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
22		fluoranthene				1.5	mg/kg		1.17	mg/kg	0.000117 %	✓	
			205-912-4	206-44-0									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		indeno[123-cd]pyrene				0.55	mg/kg		0.429	mg/kg	0.0000429 %	✓	
			205-893-2	193-39-5									
25		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	190	mg/kg		148.2	mg/kg	0.0148 %	✓	
		082-001-00-6											
26		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
27		naphthalene				<0.0001	mg/kg		<0.0001	mg/kg	<0.00000001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
28		nickel { nickel dihydroxide }				55	mg/kg	1.579	67.761	mg/kg	0.00678 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
29		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
30		phenanthrene				0.66	mg/kg		0.515	mg/kg	0.0000515 %	✓	
			201-581-5	85-01-8									
31		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
32		pyrene				1.4	mg/kg		1.092	mg/kg	0.000109 %	✓	
			204-927-3	129-00-0									
33		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
34		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
35		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
36		TPH (C6 to C40) petroleum group				110	mg/kg		85.8	mg/kg	0.00858 %	✓	
				TPH									
37		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
38		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
			203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
39		zinc { zinc oxide }				6500	mg/kg	1.245	6310.7	mg/kg	0.631 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
40		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
41		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
42		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
43		vanadium { divanadium pentaoxide; vanadium pentoxide }				95	mg/kg	1.785	132.282	mg/kg	0.0132 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
44		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
45		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
46		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
47		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2,3-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-757-1	87-61-6									
50		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
51		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
52		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
53		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7									
58		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
59		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
60		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
61		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
62		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
63		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
66		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
67		chloromethane; methyl chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
68		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
69		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
70		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
71		hexachlorobutadiene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3									
72		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
73		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
74		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
75		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
77		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
78		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
79		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
80		1,1,1,2-tetrachloroethane				0.0017	mg/kg		0.0013	mg/kg	0.000000133 %	✓	
			211-135-1	630-20-6									
81		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
82		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
83		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
84		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
85		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
86		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
87		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
88		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
89		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
90		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
91		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
			215-089-3 [6] 276-245-4 [7]	1300-71-6 [6] 71975-58-1 [7]									
92		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
93		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
94		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
95		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
96		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
97		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
98		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
99		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
100		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
101		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
102		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
103		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
104		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
105		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
106		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
107		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
108		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
109		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
110		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
111		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
112		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
113		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		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]									
114		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
115		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.705 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

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 Samples wet & unlikely to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00858%)

Classification of sample: tp04--20082021-0.50

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

Sample details

Sample name:
tp04--20082021-0.50
Moisture content:
9.9%
(wet weight correction)

LoW Code:
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: 9.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		49 mg/kg	1.32	58.291 mg/kg	0.00583 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2.5 mg/kg	2.775	6.251 mg/kg	0.000625 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.6 mg/kg	13.43	31.461 mg/kg	0.00315 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43 mg/kg	1.462	56.625 mg/kg	0.00566 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		190 mg/kg	1.126	192.741 mg/kg	0.0193 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	830	mg/kg		747.83	mg/kg	0.0748 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				57	mg/kg	1.579	81.118	mg/kg	0.00811 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.8	pH		8.8	pH	8.8 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				660	mg/kg	1.245	740.182	mg/kg	0.074 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				77	mg/kg	1.785	123.851	mg/kg	0.0124 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.205 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP05--20082021-0.50

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

Sample details

Sample name:
TP05--20082021-0.50
Moisture content:
12%
(wet weight correction)

LoW Code:
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: 12% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
1		benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2							
2	●	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4							
3		toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3							
4	●	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
5		xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**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]							
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4							
								Total:	0.001 %		

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)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: TP05--20082021-2.00

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

Sample details

Sample name:
TP05--20082021-2.00
Moisture content:
29%
(wet weight correction)

LoW Code:
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: 29% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
2		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
3		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
4		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.89 mg/kg		0.632 mg/kg	0.0000632 %	✓	
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.46 mg/kg		0.327 mg/kg	0.0000327 %	✓	
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.54 mg/kg		0.383 mg/kg	0.0000383 %	✓	
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.23 mg/kg		0.163 mg/kg	0.0000163 %	✓	
11		chrysene	601-048-00-0	205-923-4	218-01-9		0.69 mg/kg		0.49 mg/kg	0.000049 %	✓	
12		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
13		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14		fluoranthene		205-912-4	206-44-0		0.66 mg/kg		0.469 mg/kg	0.0000469 %	✓	
15		fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
16		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
17		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.0001 mg/kg		<0.0001 mg/kg	<0.00000001 %		<**LOD**
18		phenanthrene		201-581-5	85-01-8		0.46 mg/kg		0.327 mg/kg	0.0000327 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
19		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
20		pyrene				0.67	mg/kg		0.476	mg/kg	0.0000476 %	✓	
			204-927-3	129-00-0									
21		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
22		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
23		TPH (C6 to C40) petroleum group				460	mg/kg		326.6	mg/kg	0.0327 %	✓	
				TPH									
24		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
25		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<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]									
26		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
27		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
28		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
29		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
30		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
31		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
32		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
33		1,2,3-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-757-1	87-61-6									
34		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
35		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
36		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
37		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
38		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
39		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
40		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
41		2,2-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7									
42		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
43		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
44		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
45		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
46		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
47		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
48		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
49		chloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
50		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
51		chloromethane; methyl chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
52		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
53		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
54		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
55		hexachlorobutadiene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3									
56		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
57		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
58		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
59		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
61		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
64		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
65		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
66		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
67		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
68		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
69		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
70		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
71		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
72		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
73		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
74	●	2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76	●	bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
77		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
78		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
79		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
80		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
81		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
82	●	2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
83	●	2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
84	●	dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
85		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
86		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
87	●	dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
88	●	4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
89	●	diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
90		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
91		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
92	●	4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
93	●	carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
94		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
95		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
96		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
97		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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
		CLP index number	EC Number	CAS Number							
			203-397-0 [3] 246-698-2 [4]	106-43-4 [3] 25168-05-2 [4]							
98		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**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]							
99		cumene; [1] propylbenzene [2]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
								Total:	0.0337 %		

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)
<LOD	Below limit of detection
ND	Not detected

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 Samples wet & unlikely to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0327%)

Classification of sample: TP05--20082021-1.30

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

Sample details

Sample name:
TP05--20082021-1.30
Moisture content:
7.8%
(wet weight correction)

LoW Code:
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: 7.8% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
2	●	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
3		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
4	●	TPH (C6 to C40) petroleum group TPH		680 mg/kg		626.96 mg/kg	0.0627 %	✓	
5		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]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
						Total:	0.0627 %		

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)
<LOD	Below limit of detection
ND	Not detected

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 Samples wet & unlikely to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0627%)

Classification of sample: TP06--20082021-0.70

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

Sample details

Sample name:
TP06--20082021-0.70
Moisture content:
8.2%
(wet weight correction)

LoW Code:
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: 8.2% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
2		acenaphthylene 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
3		anthracene 204-371-1 / 120-12-7		0.67 mg/kg		0.615 mg/kg	0.0000615 %	✓	
4		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		66 mg/kg	1.32	79.996 mg/kg	0.008 %	✓	
5		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		1.7 mg/kg		1.561 mg/kg	0.000156 %	✓	
6		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		1.3 mg/kg		1.193 mg/kg	0.000119 %	✓	
7		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		1.5 mg/kg		1.377 mg/kg	0.000138 %	✓	
8		benzo[ghi]perylene 205-883-8 / 191-24-2		0.83 mg/kg		0.762 mg/kg	0.0000762 %	✓	
9		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		0.68 mg/kg		0.624 mg/kg	0.0000624 %	✓	
10		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1.5 mg/kg	2.775	3.822 mg/kg	0.000382 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		1.2 mg/kg	13.43	14.794 mg/kg	0.00148 %	✓	
12		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		56 mg/kg	1.462	75.136 mg/kg	0.00751 %	✓	
14		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
15		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		1.4 mg/kg		1.285 mg/kg	0.000129 %	✓	
16		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		40 mg/kg	1.126	41.343 mg/kg	0.00413 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				0.29	mg/kg		0.266	mg/kg	0.0000266 %	✓	
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				3	mg/kg		2.754	mg/kg	0.000275 %	✓	
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				0.77	mg/kg		0.707	mg/kg	0.0000707 %	✓	
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	73	mg/kg		67.014	mg/kg	0.0067 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				2.4	mg/kg	1.353	2.982	mg/kg	0.000298 %	✓	
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				36	mg/kg	1.579	52.199	mg/kg	0.00522 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.6	pH		8.6	pH	8.6 pH		
				PH									
27		phenanthrene				2.3	mg/kg		2.111	mg/kg	0.000211 %	✓	
			201-581-5	85-01-8									
28		pyrene				2.6	mg/kg		2.387	mg/kg	0.000239 %	✓	
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				210	mg/kg	1.245	239.956	mg/kg	0.024 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				110	mg/kg	1.785	180.268	mg/kg	0.018 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.078 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP07--20082021-0.10

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

Sample details

Sample name:
TP07--20082021-0.10
Moisture content:
21%
(wet weight correction)

LoW Code:
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: 21% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		75 mg/kg	1.32	78.229 mg/kg	0.00782 %	✓	
5		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		8.2 mg/kg	2.775	17.979 mg/kg	0.0018 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		3.3 mg/kg	13.43	35.012 mg/kg	0.0035 %	✓	
12		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		72 mg/kg	1.462	83.133 mg/kg	0.00831 %	✓	
14		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
15		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		780 mg/kg	1.126	693.772 mg/kg	0.0694 %	✓	

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	430	mg/kg		339.7	mg/kg	0.034 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5	mg/kg	1.353	0.535	mg/kg	0.0000535 %	✓	
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		88	mg/kg	1.579	109.807	mg/kg	0.011 %	✓	
26		pH			PH		8	pH		8	pH	8pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		570	mg/kg	1.245	560.495	mg/kg	0.056 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		160	mg/kg	1.785	225.647	mg/kg	0.0226 %	✓	
											Total:	0.215 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP07--20082021-2.70

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

Sample details

Sample name:
TP07--20082021-2.70
Moisture content:
16%
(wet weight correction)

LoW Code:
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: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		72 mg/kg	1.32	79.853 mg/kg	0.00799 %	✓	
5	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1.9 mg/kg	2.775	4.429 mg/kg	0.000443 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		7.1 mg/kg	13.43	80.097 mg/kg	0.00801 %	✓	
13	cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		55 mg/kg	1.462	67.524 mg/kg	0.00675 %	✓	
15	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
16	chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		copper { dicopper oxide; copper (I) oxide }				42	mg/kg	1.126	39.721	mg/kg	0.00397 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	83	mg/kg		69.72	mg/kg	0.00697 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				44	mg/kg	1.579	58.378	mg/kg	0.00584 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				210	mg/kg	1.245	219.568	mg/kg	0.022 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				100	mg/kg	1.785	149.956	mg/kg	0.015 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0787 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS01--18082021-0.10

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

Sample details

Sample name:
WS01--18082021-0.10
Moisture content:
8%
(wet weight correction)

LoW Code:
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: 8% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		21 mg/kg	1.32	25.509 mg/kg	0.00255 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.61 mg/kg		0.561 mg/kg	0.0000561 %	✓	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.62 mg/kg		0.57 mg/kg	0.000057 %	✓	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.75 mg/kg		0.69 mg/kg	0.000069 %	✓	
8	benzo[ghi]perylene		205-883-8	191-24-2		0.61 mg/kg		0.561 mg/kg	0.0000561 %	✓	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.33 mg/kg		0.304 mg/kg	0.0000304 %	✓	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.9 mg/kg	2.775	4.851 mg/kg	0.000485 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.6 mg/kg	13.43	32.125 mg/kg	0.00321 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29 mg/kg	1.462	38.994 mg/kg	0.0039 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		0.6 mg/kg		0.552 mg/kg	0.0000552 %	✓	
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28 mg/kg	1.126	29.003 mg/kg	0.0029 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				0.94	mg/kg		0.865	mg/kg	0.0000865 %	✓	
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				0.53	mg/kg		0.488	mg/kg	0.0000488 %	✓	
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	69	mg/kg		63.48	mg/kg	0.00635 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				19	mg/kg	1.579	27.61	mg/kg	0.00276 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
27		phenanthrene				0.29	mg/kg		0.267	mg/kg	0.0000267 %	✓	
			201-581-5	85-01-8									
28		pyrene				0.9	mg/kg		0.828	mg/kg	0.0000828 %	✓	
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				150	mg/kg	1.245	171.771	mg/kg	0.0172 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				50	mg/kg	1.785	82.119	mg/kg	0.00821 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0489 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS02--18082021-0.20

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

Sample details

Sample name:
WS02--18082021-0.20
Moisture content:
4.6%
(wet weight correction)

LoW Code:
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: 4.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		0.26 mg/kg		0.248 mg/kg	0.0000248 %	✓	
2	acenaphthylene		205-917-1	208-96-8		1.1 mg/kg		1.049 mg/kg	0.000105 %	✓	
3	anthracene		204-371-1	120-12-7		1.4 mg/kg		1.336 mg/kg	0.000134 %	✓	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		30 mg/kg	1.32	37.788 mg/kg	0.00378 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.7 mg/kg		2.576 mg/kg	0.000258 %	✓	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		4.9 mg/kg		4.675 mg/kg	0.000467 %	✓	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		5.5 mg/kg		5.247 mg/kg	0.000525 %	✓	
8	benzo[ghi]perylene		205-883-8	191-24-2		8.9 mg/kg		8.491 mg/kg	0.000849 %	✓	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		1.4 mg/kg		1.336 mg/kg	0.000134 %	✓	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.8 mg/kg	2.775	4.766 mg/kg	0.000477 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.5 mg/kg	13.43	19.218 mg/kg	0.00192 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		39 mg/kg	1.462	54.379 mg/kg	0.00544 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		2.2 mg/kg		2.099 mg/kg	0.00021 %	✓	
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		75 mg/kg	1.126	80.557 mg/kg	0.00806 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				1.4	mg/kg		1.336	mg/kg	0.000134 %	✓	
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				3.9	mg/kg		3.721	mg/kg	0.000372 %	✓	
			205-912-4	206-44-0									
20		fluorene				0.31	mg/kg		0.296	mg/kg	0.0000296 %	✓	
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				6.2	mg/kg		5.915	mg/kg	0.000591 %	✓	
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	280	mg/kg		267.12	mg/kg	0.0267 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				64	mg/kg	1.579	96.438	mg/kg	0.00964 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
27		phenanthrene				2	mg/kg		1.908	mg/kg	0.000191 %	✓	
			201-581-5	85-01-8									
28		pyrene				3.6	mg/kg		3.434	mg/kg	0.000343 %	✓	
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				280	mg/kg	1.245	332.488	mg/kg	0.0332 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				82	mg/kg	1.785	139.651	mg/kg	0.014 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.108 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS02--18082021-0.80

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

Sample details

Sample name:
WS02--18082021-0.80
Moisture content:
10%
(wet weight correction)

LoW Code:
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: 10% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		acenaphthene – / 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene – / 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene – / 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		36 mg/kg	1.32	42.779 mg/kg	0.00428 %	✓	
5		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene – / 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1.1 mg/kg	2.775	2.748 mg/kg	0.000275 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) } – / – / 10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	10.878 mg/kg	0.00109 %	✓	
12		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } – / 215-160-9 / 1308-38-9		38 mg/kg	1.462	49.985 mg/kg	0.005 %	✓	
14		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
15		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		12 mg/kg	1.126	12.16 mg/kg	0.00122 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19	mg/kg		17.1	mg/kg	0.00171 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				26	mg/kg	1.579	36.96	mg/kg	0.0037 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				89	mg/kg	1.245	99.702	mg/kg	0.00997 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				72	mg/kg	1.785	115.68	mg/kg	0.0116 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0396 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS03--18082021-1.00

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

Sample details

Sample name:
WS03--18082021-1.00
Moisture content:
13%
(wet weight correction)

LoW Code:
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: 13% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
1		benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2							
2	●	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4							
3		toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3							
4	●	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
5		xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**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]							
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4							
								Total:	0.001 %		

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)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS04--18082021-2.50

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

Sample details

Sample name:
WS04--18082021-2.50
Moisture content:
21%
(wet weight correction)

LoW Code:
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: 21% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
2		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
12		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
13		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
14		fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
15		fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
17		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.0001 mg/kg		<0.0001 mg/kg	<0.00000001 %		<LOD
18		phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
19		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
20		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
21		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
22		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
23		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
24		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
25		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
26		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
27		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
28		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
29		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
30		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
31		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
32		1,2,3-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-757-1	87-61-6									
33		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
34		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
35		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
36		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
37		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
38		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
39		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
40		2,2-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7									
41		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
42		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
43		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
44		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
45		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
46		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
47		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
48		chloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
49		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
50		chloromethane; methyl chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
51		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
52		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
53		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
54		hexachlorobutadiene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3									
55		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
56		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
57		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
58		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
59		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
60		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
61		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
62		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
63		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
64		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
65		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
66		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
67		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
68		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
69		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
70		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
71		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
72		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
73		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
74		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
75		bis(2-chloroethoxy)methane				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
			203-920-2	111-91-1							
76		2,4-dichlorophenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2							
77		4-chloroaniline				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		612-137-00-9	203-401-0	106-47-8							
78		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-014-00-3	200-431-6	59-50-7							
79		2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2							
80		2,4,5-trichlorophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4							
81		2-methyl naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6							
82		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7							
83		dimethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3							
84		2,6-dinitrotoluene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2							
85		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
86		dibenzofuran				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
			205-071-3	132-64-9							
87		4-chlorophenylphenylether				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
			230-281-7	7005-72-3							
88		diethyl phthalate				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
			201-550-6	84-66-2							
89		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
90		azobenzene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
		611-001-00-6	203-102-5	103-33-3							
91		4-bromophenylphenylether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
			202-952-4	101-55-3							
92		carbazole				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
			201-696-0	86-74-8							
93		dibutyl phthalate; DBP				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2							
94		anthraquinone				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
		606-151-00-4	201-549-0	84-65-1							
95		BBP; benzyl butyl phthalate				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
		607-430-00-3	201-622-7	85-68-7							
96		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
		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]							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
97		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**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]									
98		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.00075 %		

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)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS05--18082021-2.90

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

Sample details

Sample name:
WS05--18082021-2.90
Moisture content:
37%
(wet weight correction)

LoW Code:
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: 37% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		40 mg/kg	1.32	33.272 mg/kg	0.00333 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.39 mg/kg		0.246 mg/kg	0.0000246 %	✓	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.3 mg/kg		0.189 mg/kg	0.0000189 %	✓	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.38 mg/kg		0.239 mg/kg	0.0000239 %	✓	
9	benzo[ghi]perylene		205-883-8	191-24-2		0.27 mg/kg		0.17 mg/kg	0.000017 %	✓	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.21 mg/kg		0.132 mg/kg	0.0000132 %	✓	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	2.098 mg/kg	0.00021 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		3.9 mg/kg	13.43	32.998 mg/kg	0.0033 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		41 mg/kg	1.462	37.752 mg/kg	0.00378 %	✓	
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		0.38 mg/kg		0.239 mg/kg	0.0000239 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		copper { dicopper oxide; copper (I) oxide }				570	mg/kg	1.126	404.307	mg/kg	0.0404 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.92	mg/kg		0.58	mg/kg	0.000058 %	✓	
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.24	mg/kg		0.151	mg/kg	0.0000151 %	✓	
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	60	mg/kg		37.8	mg/kg	0.00378 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				33	mg/kg	1.579	32.838	mg/kg	0.00328 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
29		phenanthrene				0.91	mg/kg		0.573	mg/kg	0.0000573 %	✓	
			201-581-5	85-01-8									
30		pyrene				0.79	mg/kg		0.498	mg/kg	0.0000498 %	✓	
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				130	mg/kg	1.245	101.942	mg/kg	0.0102 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				70	mg/kg	1.785	78.727	mg/kg	0.00787 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0782 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS05--18082021-3.80

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

Sample details

Sample name:
WS05--18082021-3.80

Moisture content:
21%
(wet weight correction)

LoW Code:

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: 21% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
2		acenaphthylene 205-917-1 / 208-96-8		0.29 mg/kg		0.229 mg/kg	0.0000229 %	✓	
3		anthracene 204-371-1 / 120-12-7		0.51 mg/kg		0.403 mg/kg	0.0000403 %	✓	
4		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		25 mg/kg	1.32	26.076 mg/kg	0.00261 %	✓	
5		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		3.1 mg/kg		2.449 mg/kg	0.000245 %	✓	
6		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		2.8 mg/kg		2.212 mg/kg	0.000221 %	✓	
7		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		3.7 mg/kg		2.923 mg/kg	0.000292 %	✓	
8		benzo[ghi]perylene 205-883-8 / 191-24-2		2.5 mg/kg		1.975 mg/kg	0.000198 %	✓	
9		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		1.2 mg/kg		0.948 mg/kg	0.0000948 %	✓	
10		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		0.86 mg/kg	2.775	1.886 mg/kg	0.000189 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		5.7 mg/kg	13.43	60.475 mg/kg	0.00605 %	✓	
12		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		21 mg/kg	1.462	24.247 mg/kg	0.00242 %	✓	
14		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
15		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		2.8 mg/kg		2.212 mg/kg	0.000221 %	✓	
16		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		21 mg/kg	1.126	18.678 mg/kg	0.00187 %	✓	

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.6	mg/kg		0.474	mg/kg	0.0000474 %	✓	
19		fluoranthene		205-912-4	206-44-0		5.6	mg/kg		4.424	mg/kg	0.000442 %	✓	
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		2.1	mg/kg		1.659	mg/kg	0.000166 %	✓	
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	88	mg/kg		69.52	mg/kg	0.00695 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		22	mg/kg	1.579	27.452	mg/kg	0.00275 %	✓	
26		pH			PH		8	pH		8	pH	8pH		
27		phenanthrene		201-581-5	85-01-8		2.2	mg/kg		1.738	mg/kg	0.000174 %	✓	
28		pyrene		204-927-3	129-00-0		5.2	mg/kg		4.108	mg/kg	0.000411 %	✓	
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		83	mg/kg	1.245	81.616	mg/kg	0.00816 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		51	mg/kg	1.785	71.925	mg/kg	0.00719 %	✓	
											Total:	0.0415 %		

Key

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

Classification of sample: WS06--19082021-1.80

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

Sample details

Sample name:
WS06--19082021-1.80
Moisture content:
40%
(wet weight correction)

LoW Code:
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: 40% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5 / 107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
2	acenaphthene 201-469-6 / 83-32-9		0.4 mg/kg		0.24 mg/kg	0.000024 %	✓	
3	acenaphthylene 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	anthracene 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
5	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		25 mg/kg	1.32	19.805 mg/kg	0.00198 %	✓	
6	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
7	benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[ghi]perylene 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
12	beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1.6 mg/kg	2.775	2.664 mg/kg	0.000266 %	✓	
13	boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		12 mg/kg	13.43	96.696 mg/kg	0.00967 %	✓	
14	cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	2.6 mg/kg	1.285	2.005 mg/kg	0.000156 %	✓	
15	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		67 mg/kg	1.462	58.755 mg/kg	0.00588 %	✓	
16	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
18		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		150	mg/kg	1.126	101.33	mg/kg	0.0101 %	✓	
19		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
20		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
22		fluoranthene		205-912-4	206-44-0		0.64	mg/kg		0.384	mg/kg	0.0000384 %	✓	
23		fluorene		201-695-5	86-73-7		0.2	mg/kg		0.12	mg/kg	0.000012 %	✓	
24		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	370	mg/kg		222	mg/kg	0.0222 %	✓	
26		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1	mg/kg	1.353	0.812	mg/kg	0.0000812 %	✓	
27		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.0001	mg/kg		<0.0001	mg/kg	<0.00000001 %		<LOD
28		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		63	mg/kg	1.579	59.705	mg/kg	0.00597 %	✓	
29		pH			PH		7.7	pH		7.7	pH	7.7 pH		
30		phenanthrene		201-581-5	85-01-8		0.35	mg/kg		0.21	mg/kg	0.000021 %	✓	
31		phenol	604-001-00-2	203-632-7	108-95-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
32		pyrene		204-927-3	129-00-0		0.72	mg/kg		0.432	mg/kg	0.0000432 %	✓	
33		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
34		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
35		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
36		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
37		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]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
38		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		560	mg/kg	1.245	418.224	mg/kg	0.0418 %	✓	
39		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
40		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
41		monohydric phenols P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
42		vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 / 215-239-8 / 1314-62-1		36 mg/kg	1.785	38.56 mg/kg	0.00386 %	✓	
43		1,1,1-trichloroethane; methyl chloroform 602-013-00-2 / 200-756-3 / 71-55-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
44		1,1,2,2-tetrachloroethane 602-015-00-3 / 201-197-8 / 79-34-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
45		1,1,2-trichloroethane 602-014-00-8 / 201-166-9 / 79-00-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46		1,1-dichloroethylene; vinylidene chloride 602-025-00-8 / 200-864-0 / 75-35-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47		1,1-dichloropropene 602-031-00-0 / 209-253-3 / 563-58-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48		1,2,3-trichlorobenzene 201-757-1 / 87-61-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
49		1,2,4-trimethylbenzene 601-043-00-3 / 202-436-9 / 95-63-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
50		1,2-dibromoethane 602-010-00-6 / 203-444-5 / 106-93-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
51		1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 / 202-425-9 / 95-50-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
52		1,2-dichloropropane; propylene dichloride 602-020-00-0 / 201-152-2 / 78-87-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
53		1,3-dichlorbenzene 602-067-00-7 / 208-792-1 / 541-73-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
54		1,3-dichloropropane 205-531-3 / 142-28-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
55		1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 / 203-400-5 / 106-46-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
56		2,2-dichloropropane 209-832-0 / 594-20-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57		bromodichloromethane 200-856-7 / 75-27-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
58		bromomethane; methylbromide 602-002-00-2 / 200-813-2 / 74-83-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59		bromobenzene 602-060-00-9 / 203-623-8 / 108-86-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
60		n-butylbenzene 203-209-7 / 104-51-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
61		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]		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
62		chlorobenzene 602-033-00-1 / 203-628-5 / 108-90-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
63		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
64		chloroethane 602-009-00-0 / 200-830-5 / 75-00-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
65		chloroform; trichloromethane 602-006-00-4 / 200-663-8 / 67-66-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
66		chloromethane; methyl chloride 602-001-00-7 / 200-817-4 / 74-87-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
67		dibromochloromethane 204-704-0 / 124-48-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68		1,2-dibromo-3-chloropropane 602-021-00-6 / 202-479-3 / 96-12-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69		dibromomethane 602-003-00-8 / 200-824-2 / 74-95-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
70		hexachlorobutadiene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
73		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
74		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
75		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
76		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
77		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
78		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
79		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
80		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
81		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
82		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
83		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
86		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
87		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
88		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
89		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
92		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
93		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
94		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
95		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
96		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
97		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
98		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
99		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
100		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
101		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
102		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
103		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
104		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
105		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
106		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
107		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
108		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
109		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
110		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
111		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		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]									
113		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
114		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.104 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS07--19082021-2.30

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

Sample details

Sample name:
WS07--19082021-2.30
Moisture content:
35%
(wet weight correction)

LoW Code:
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: 35% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
2	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
5	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		34 mg/kg	1.32	29.179 mg/kg	0.00292 %	✓	
6	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
7	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.39 mg/kg		0.254 mg/kg	0.0000254 %	✓	
8	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.33 mg/kg		0.215 mg/kg	0.0000215 %	✓	
9	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.36 mg/kg		0.234 mg/kg	0.0000234 %	✓	
10	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.26 mg/kg		0.169 mg/kg	0.0000169 %	✓	
12	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4 mg/kg	2.775	2.526 mg/kg	0.000253 %	✓	
13	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		16 mg/kg	13.43	139.672 mg/kg	0.014 %	✓	
14	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
15	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		56 mg/kg	1.462	53.201 mg/kg	0.00532 %	✓	
16	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		chrysene				0.39	mg/kg		0.254	mg/kg	0.0000254 %	✓	
		601-048-00-0	205-923-4	218-01-9									
18		copper { dicopper oxide; copper (I) oxide }				73	mg/kg	1.126	53.423	mg/kg	0.00534 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
21		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
22		fluoranthene				0.72	mg/kg		0.468	mg/kg	0.0000468 %	✓	
			205-912-4	206-44-0									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
25		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	600	mg/kg		390	mg/kg	0.039 %	✓	
		082-001-00-6											
26		mercury { mercury dichloride }				0.5	mg/kg	1.353	0.44	mg/kg	0.000044 %	✓	
		080-010-00-X	231-299-8	7487-94-7									
27		naphthalene				<0.0001	mg/kg		<0.0001	mg/kg	<0.00000001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
28		nickel { nickel dihydroxide }				55	mg/kg	1.579	56.467	mg/kg	0.00565 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
29		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
31		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
32		pyrene				0.67	mg/kg		0.436	mg/kg	0.0000436 %	✓	
			204-927-3	129-00-0									
33		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
34		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
35		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
36		TPH (C6 to C40) petroleum group				180	mg/kg		117	mg/kg	0.0117 %	✓	
				TPH									
37		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
38		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<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]									
39		zinc { zinc oxide }				280	mg/kg	1.245	226.538	mg/kg	0.0227 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
40		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
41		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2]	108-39-4 [1] 95-48-7 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
			203-398-6 [3] 215-293-2 [4]	106-44-5 [3] 1319-77-3 [4]									
42		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
43		vanadium { divanadium pentaoxide; vanadium pentoxide }				44	mg/kg	1.785	51.056	mg/kg	0.00511 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
44		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
45		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
46		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
47		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2,3-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-757-1	87-61-6									
50		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
51		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
52		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
53		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7									
58		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
59		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
60		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
61		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
62		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
63		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
66		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
67		chloromethane; methyl chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
68		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
69		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
70		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
71		hexachlorobutadiene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3									
72		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
73		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
74		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
75		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
77		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
78		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
79		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
80		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
81		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
82		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
83		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
84		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
85		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
86		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
87		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
88		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
89		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
90		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
91		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
92		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
93		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
94		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
95		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
96		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
97		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
98		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
99		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
100		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
101		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
102		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
103		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
104		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
105		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
106		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
107		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
108		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
109		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
110		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
111		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
112		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
113		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		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]									
114		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
115		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.114 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

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 Samples wet & unlikely to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0117%)

Classification of sample: WS08--19082021-3.40

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

Sample details

Sample name:
WS08--19082021-3.40
Moisture content:
14%
(wet weight correction)

LoW Code:
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: 14% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
2		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
3		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
4		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
11		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
12		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
13		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14		fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
15		fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
16		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
17		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.0001 mg/kg		<0.0001 mg/kg	<0.00000001 %		<**LOD**
18		phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
19		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
20		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
21		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
22		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
23		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
24		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
25		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<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]									
26		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
27		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
28		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
29		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
30		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
31		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
32		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
33		1,2,3-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-757-1	87-61-6									
34		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
35		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
36		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
37		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
38		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
39		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
40		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
41		2,2-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7									
42		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
43		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
44		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
45		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
46		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
47		chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
48		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
49		chloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-009-00-0	200-830-5	75-00-3							
50		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
51		chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-001-00-7	200-817-4	74-87-3							
52		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
53		1,2-dibromo-3-chloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8							
54		dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
55		hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3							
56		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
57		4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6							
58		sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8							
59		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
60		trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6							
61		tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6							
62		bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
63		1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
64		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6							
65		trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4							
66		mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
67		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4							
68		aniline				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3							
69		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
70		bis(2-chloroethyl) ether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4							
71		hexachloroethane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1							
72		nitrobenzene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
73		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
74		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
77		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
78		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
79		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
80		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
81		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
82		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
83		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
84		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
85		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
86		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
87		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
88		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
89		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
90		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
91		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
92		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
93		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
94		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
95		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
96		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
97		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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
		CLP index number	EC Number	CAS Number							
			203-397-0 [3] 246-698-2 [4]	106-43-4 [3] 25168-05-2 [4]							
98		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]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
99		cumene; [1] propylbenzene [2]									
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
								Total:	0.00176 %		

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)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS09--19082021-2.50

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

Sample details

Sample name:
WS09--19082021-2.50
Moisture content:
10%
(wet weight correction)

LoW Code:
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: 10% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		48 mg/kg	1.32	57.038 mg/kg	0.0057 %	✓	
5		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1.4 mg/kg	2.775	3.497 mg/kg	0.00035 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		2.9 mg/kg	13.43	35.052 mg/kg	0.00351 %	✓	
12		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		43 mg/kg	1.462	56.562 mg/kg	0.00566 %	✓	
14		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
15		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		21 mg/kg	1.126	21.279 mg/kg	0.00213 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	45	mg/kg		40.5	mg/kg	0.00405 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				29	mg/kg	1.579	41.225	mg/kg	0.00412 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.5	pH		7.5	pH	7.5 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				110	mg/kg	1.245	123.227	mg/kg	0.0123 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				78	mg/kg	1.785	125.32	mg/kg	0.0125 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0512 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS09--19082021-3.00

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

Sample details

Sample name:
WS09--19082021-3.00
Moisture content:
8.3%
(wet weight correction)

LoW Code:
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: 8.3% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		45 mg/kg	1.32	54.483 mg/kg	0.00545 %	✓	
5		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		0.44 mg/kg		0.403 mg/kg	0.0000403 %	✓	
7		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		0.39 mg/kg		0.358 mg/kg	0.0000358 %	✓	
8		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		0.49 mg/kg		0.449 mg/kg	0.0000449 %	✓	
9		benzo[ghi]perylene 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		0.2 mg/kg		0.183 mg/kg	0.0000183 %	✓	
11		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1.3 mg/kg	2.775	3.308 mg/kg	0.000331 %	✓	
12		boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		6.7 mg/kg	13.43	82.513 mg/kg	0.00825 %	✓	
13		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		39 mg/kg	1.462	52.27 mg/kg	0.00523 %	✓	
15		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
16		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		0.41 mg/kg		0.376 mg/kg	0.0000376 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	21.681	mg/kg	0.00217 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.52	mg/kg		0.477	mg/kg	0.0000477 %	✓	
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	62	mg/kg		56.854	mg/kg	0.00569 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				27	mg/kg	1.579	39.107	mg/kg	0.00391 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		pyrene				0.55	mg/kg		0.504	mg/kg	0.0000504 %	✓	
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				130	mg/kg	1.245	148.382	mg/kg	0.0148 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				73	mg/kg	1.785	119.502	mg/kg	0.012 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0599 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS09--19082021-3.80

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

Sample details

Sample name:
WS09--19082021-3.80
Moisture content:
7.5%
(wet weight correction)

LoW Code:
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: 7.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
2	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
5	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		75 mg/kg	1.32	91.598 mg/kg	0.00916 %	✓	
6	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
7	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
12	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.8 mg/kg	2.775	4.621 mg/kg	0.000462 %	✓	
13	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.4 mg/kg	13.43	29.815 mg/kg	0.00298 %	✓	
14	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
15	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		64 mg/kg	1.462	86.524 mg/kg	0.00865 %	✓	
16	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
18		copper { dicopper oxide; copper (I) oxide }				9.2	mg/kg	1.126	9.581	mg/kg	0.000958 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
21		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
22		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
25		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16	mg/kg		14.8	mg/kg	0.00148 %	✓	
		082-001-00-6											
26		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
27		naphthalene				<0.0001	mg/kg		<0.0001	mg/kg	<0.00000001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
28		nickel { nickel dihydroxide }				42	mg/kg	1.579	61.364	mg/kg	0.00614 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
29		pH				8.4	pH		8.4	pH	8.4 pH		
				PH									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
31		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
32		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
33		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
34		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
35		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
36		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
37		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
38		zinc { zinc oxide }				110	mg/kg	1.245	126.65	mg/kg	0.0127 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
39		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
40		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
41		monohydric phenols P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
42		vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 / 215-239-8 / 1314-62-1		120 mg/kg	1.785	198.156 mg/kg	0.0198 %	✓	
43		1,1,1-trichloroethane; methyl chloroform 602-013-00-2 / 200-756-3 / 71-55-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
44		1,1,2,2-tetrachloroethane 602-015-00-3 / 201-197-8 / 79-34-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
45		1,1,2-trichloroethane 602-014-00-8 / 201-166-9 / 79-00-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46		1,1-dichloroethylene; vinylidene chloride 602-025-00-8 / 200-864-0 / 75-35-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47		1,1-dichloropropene 602-031-00-0 / 209-253-3 / 563-58-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48		1,2,3-trichlorobenzene 201-757-1 / 87-61-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
49		1,2,4-trimethylbenzene 601-043-00-3 / 202-436-9 / 95-63-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
50		1,2-dibromoethane 602-010-00-6 / 203-444-5 / 106-93-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
51		1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 / 202-425-9 / 95-50-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
52		1,2-dichloropropane; propylene dichloride 602-020-00-0 / 201-152-2 / 78-87-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
53		1,3-dichlorbenzene 602-067-00-7 / 208-792-1 / 541-73-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
54		1,3-dichloropropane 205-531-3 / 142-28-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
55		1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 / 203-400-5 / 106-46-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
56		2,2-dichloropropane 209-832-0 / 594-20-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57		bromodichloromethane 200-856-7 / 75-27-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
58		bromomethane; methylbromide 602-002-00-2 / 200-813-2 / 74-83-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59		bromobenzene 602-060-00-9 / 203-623-8 / 108-86-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
60		n-butylbenzene 203-209-7 / 104-51-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
61		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]		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
62		chlorobenzene 602-033-00-1 / 203-628-5 / 108-90-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
63		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
64		chloroethane 602-009-00-0 / 200-830-5 / 75-00-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
65		chloroform; trichloromethane 602-006-00-4 / 200-663-8 / 67-66-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
66		chloromethane; methyl chloride 602-001-00-7 / 200-817-4 / 74-87-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
67		dibromochloromethane 204-704-0 / 124-48-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68		1,2-dibromo-3-chloropropane 602-021-00-6 / 202-479-3 / 96-12-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69		dibromomethane 602-003-00-8 / 200-824-2 / 74-95-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
70		hexachlorobutadiene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
73		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
74		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
75		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
76		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
77		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
78		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
79		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
80		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
81		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
82		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
83		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
86		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
87		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
88		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
89		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
92		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
93		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
94		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
95		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
96		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
97	●	2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
98	●	2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
99	●	dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
100		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
101		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
102	●	dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
103	●	4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
104	●	diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
105		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
106		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
107	●	4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
108	●	carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
109		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
110		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
111		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		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]									
113		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
114		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.0638 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS10--18082021-0.20

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

Sample details

Sample name:
WS10--18082021-0.20
Moisture content:
7%
(wet weight correction)

LoW Code:
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: 7% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
2		acenaphthylene 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
3		anthracene 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
4		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		31 mg/kg	1.32	38.065 mg/kg	0.00381 %	✓	
5		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		0.33 mg/kg		0.307 mg/kg	0.0000307 %	✓	
6		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		0.27 mg/kg		0.251 mg/kg	0.0000251 %	✓	
7		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		0.44 mg/kg		0.409 mg/kg	0.0000409 %	✓	
8		benzo[ghi]perylene 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
9		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		0.29 mg/kg		0.27 mg/kg	0.000027 %	✓	
10		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		<0.06 mg/kg	2.775	<0.167 mg/kg	<0.0000167 %		<**LOD**
11		boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		1.2 mg/kg	13.43	14.988 mg/kg	0.0015 %	✓	
12		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		<1 mg/kg	1.462	<1.462 mg/kg	<0.000146 %		<**LOD**
14		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
15		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		0.39 mg/kg		0.363 mg/kg	0.0000363 %	✓	
16		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		<1 mg/kg	1.126	<1.126 mg/kg	<0.000113 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				0.47	mg/kg		0.437	mg/kg	0.0000437 %	✓	
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	31	mg/kg		28.83	mg/kg	0.00288 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				19	mg/kg	1.579	27.91	mg/kg	0.00279 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
28		pyrene				0.53	mg/kg		0.493	mg/kg	0.0000493 %	✓	
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				<1	mg/kg	1.245	<1.245	mg/kg	<0.000124 %		<LOD
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				47	mg/kg	1.785	78.03	mg/kg	0.0078 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0202 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS10--18082021-0.60

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

Sample details

Sample name:
WS10--18082021-0.60
Moisture content:
8.9%
(wet weight correction)

LoW Code:
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: 8.9% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
2		acenaphthylene 205-917-1 / 208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
3		anthracene 204-371-1 / 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
4		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		47 mg/kg	1.32	56.532 mg/kg	0.00565 %	✓	
5		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		1.4 mg/kg		1.275 mg/kg	0.000128 %	✓	
6		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		1.2 mg/kg		1.093 mg/kg	0.000109 %	✓	
7		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		1.4 mg/kg		1.275 mg/kg	0.000128 %	✓	
8		benzo[ghi]perylene 205-883-8 / 191-24-2		0.77 mg/kg		0.701 mg/kg	0.0000701 %	✓	
9		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		0.75 mg/kg		0.683 mg/kg	0.0000683 %	✓	
10		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1.5 mg/kg	2.775	3.793 mg/kg	0.000379 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) } 10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	11.011 mg/kg	0.0011 %	✓	
12		cadmium { cadmium sulfide } 048-010-00-4 / 215-147-8 / 1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		34 mg/kg	1.462	45.27 mg/kg	0.00453 %	✓	
14		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
15		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		0.94 mg/kg		0.856 mg/kg	0.0000856 %	✓	
16		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		98 mg/kg	1.126	100.517 mg/kg	0.0101 %	✓	

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		fluoranthene		205-912-4	206-44-0		2	mg/kg		1.822	mg/kg	0.000182 %	✓	
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		indeno[123-cd]pyrene		205-893-2	193-39-5		0.67	mg/kg		0.61	mg/kg	0.000061 %	✓	
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	280	mg/kg		255.08	mg/kg	0.0255 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1	mg/kg	1.353	1.233	mg/kg	0.000123 %	✓	
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		30	mg/kg	1.579	43.168	mg/kg	0.00432 %	✓	
26		pH			PH		8.1	pH		8.1	pH	8.1 pH		
27		phenanthrene		201-581-5	85-01-8		0.66	mg/kg		0.601	mg/kg	0.0000601 %	✓	
28		pyrene		204-927-3	129-00-0		2	mg/kg		1.822	mg/kg	0.000182 %	✓	
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		550	mg/kg	1.245	623.664	mg/kg	0.0624 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		58	mg/kg	1.785	94.326	mg/kg	0.00943 %	✓	
											Total:	0.125 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non CLP determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

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

boron tribromide/trichloride/trifluoride (combined) (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2 H330 , Acute Tox. 2 H300 , Skin Corr. 1A H314 , Skin Corr. 1B H314

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

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

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)
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

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

lead compounds with the exception of those specified elsewhere in this Annex

CLP index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

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

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

monohydric phenols (CAS Number: P1186)

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

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

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

CLP index number: 601-023-00-4
Description/Comments:
Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

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

1,3-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

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

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

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

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

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

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

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

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

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

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

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

hexachloroethane (EC Number: 200-666-4, CAS Number: 67-72-1)

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: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , STOT RE 2 H373

2-nitrophenol (EC Number: 201-857-5, CAS Number: 88-75-5)

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 H302 , Acute Tox. 4 H312 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Acute Tox. 4 H332 , STOT SE 3 H335 , STOT RE 2 H373 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

bis(2-chloroethoxy)methane (EC Number: 203-920-2, CAS Number: 111-91-1)

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. 3 H301 , Acute Tox. 4 H312 , Acute Tox. 1 H330 , Acute Tox. 2 H330 , STOT SE 1 H370 , STOT RE 2 H373

2-methyl naphthalene (EC Number: 202-078-3, CAS Number: 91-57-6)

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 1 H410

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

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: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

dimethyl phthalate (EC Number: 205-011-6, CAS Number: 131-11-3)

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: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Acute Tox. 3 H331 , STOT SE 3 H335 , STOT SE 3 H336 , Repr. 2 H361 , Aquatic Chronic 3 H412

dibenzofuran (EC Number: 205-071-3, CAS Number: 132-64-9)

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 H302 , Acute Tox. 4 H312 , Acute Tox. 4 H332 , Aquatic Chronic 2 H411

4-chlorophenylphenylether (EC Number: 230-281-7, CAS Number: 7005-72-3)

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 , Skin Sens. 1 H317 , Eye Dam. 1 H318 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

diethyl phthalate (EC Number: 201-550-6, CAS Number: 84-66-2)

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: Skin Irrit. 2 H315 , Acute Tox. 3 H331 , Acute Tox. 3 H311 , STOT SE 3 H335 , STOT RE 2 H373 , Repr. 2 H361 , Acute Tox. 4 H302 , STOT SE 3 H336 , Skin Sens. 1 H317 , Aquatic Chronic 1 H410

4-bromophenylphenylether (EC Number: 202-952-4, CAS Number: 101-55-3)

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 , Skin Sens. 1 H317 , Eye Dam. 1 H318 , Eye Irrit. 2 H319 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

carbazole (EC Number: 201-696-0, CAS Number: 86-74-8)

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 Irrit. 2 H319 , STOT SE 3 H335 , Muta. 2 H341 , Carc. 2 H351 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Acute Tox. 3 H331 , Acute Tox. 3 H311 , Acute Tox. 3 H301

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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}

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018
HazWasteOnline Classification Engine Version: 2021.246.4869.9247 (05 Sep 2021)
HazWasteOnline Database: 2021.246.4869.9247 (05 Sep 2021)

This classification utilises the following guidance and legislation:
WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2019 - UK: 2019 No. 720 of 27th March 2019
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019

Waste Classification Report

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)

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

84EAY-POW7D-FW234

Job name

22-82372_HWOL_Results

Description/Comments

i2 Lab Reports 22-82372, 22-82408, 22-82414, 22-82420, 22-83964, 22-83965, 22-83966 & 22-85537

Project

19114

Site

Begbroke

Classified by

Name:
Nathan Thompson
Date:
26 Oct 2022 18:55 GMT
Telephone:
07557 345 513

Company:
Hydrock Consultants Ltd
Hawthorn Park
Holdenby Road, Spratton
Northampton
NN6 8LD

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: **CERTIFIED**

Course	Date
Hazardous Waste Classification	22 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS213--28082022-0.10		Non Hazardous		2
2	WS213--22082022-0.50		Non Hazardous		4
3	WS205--22082022-0.20		Non Hazardous		6
4	WS205--22082022-0.60		Non Hazardous		8
5	WS209--22082022-0.30		Non Hazardous		10
6	WS214--22082022-0.10		Non Hazardous		12
7	WS203--23082022-0.10		Non Hazardous		14
8	WS204--23082022-0.20		Non Hazardous		16
9	WS204--23082022-0.60		Non Hazardous		18
10	WS217--23082022-0.10		Non Hazardous		20
11	WS226--23082022-0.20		Non Hazardous		22
12	WS227--25082022-0.30		Non Hazardous		24
13	HP210--25082022-0.20		Non Hazardous		26
14	HP208--25082022-0.30		Non Hazardous		29
15	HP208--25082022-0.80		Non Hazardous		32

Related documents

#	Name	Description
1	22-82372_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Nathan Thompson

Created date: 26 Oct 2022 18:55 GMT

Classification of sample: WS213--28082022-0.10

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

Sample details

Sample name:
WS213--28082022-0.10
Moisture content:
2.1%
(wet weight correction)

LoW Code:
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: 2.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		67 mg/kg	1.32	86.604 mg/kg	0.00866 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6 mg/kg	2.775	4.347 mg/kg	0.000435 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	5.259 mg/kg	0.000526 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		69 mg/kg	1.462	100.847 mg/kg	0.0101 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	16.534 mg/kg	0.00165 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	30	mg/kg		29.37	mg/kg	0.00294 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				40	mg/kg	1.579	61.853	mg/kg	0.00619 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				100	mg/kg	1.245	121.857	mg/kg	0.0122 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				250	mg/kg	1.785	436.924	mg/kg	0.0437 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0873 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS213--22082022-0.50

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

Sample details

Sample name:
WS213--22082022-0.50
Moisture content:
4.1%
(wet weight correction)

LoW Code:
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: 4.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		64 mg/kg	1.32	81.036 mg/kg	0.0081 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6 mg/kg	2.775	4.258 mg/kg	0.000426 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	9.016 mg/kg	0.000902 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		58 mg/kg	1.462	84.77 mg/kg	0.00848 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	15.116 mg/kg	0.00151 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20	mg/kg		19.18	mg/kg	0.00192 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				38	mg/kg	1.579	57.56	mg/kg	0.00576 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				100	mg/kg	1.245	119.368	mg/kg	0.0119 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				110	mg/kg	1.785	188.319	mg/kg	0.0188 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0588 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS205--22082022-0.20

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

Sample details

Sample name:
WS205--22082022-0.20
Moisture content:
11%
(wet weight correction)

LoW Code:
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: 11% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		35 mg/kg	1.32	41.128 mg/kg	0.00411 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.2 mg/kg		0.178 mg/kg	0.0000178 %	✓	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6 mg/kg	2.775	3.952 mg/kg	0.000395 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	10.757 mg/kg	0.00108 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		49 mg/kg	1.462	71.616 mg/kg	0.00716 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		0.18 mg/kg		0.16 mg/kg	0.000016 %	✓	
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19 mg/kg	1.126	19.039 mg/kg	0.0019 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				0.25	mg/kg		0.223	mg/kg	0.0000222 %	✓	
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	40	mg/kg		35.6	mg/kg	0.00356 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				35	mg/kg	1.579	49.201	mg/kg	0.00492 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				0.28	mg/kg		0.249	mg/kg	0.0000249 %	✓	
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				120	mg/kg	1.245	132.935	mg/kg	0.0133 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				83	mg/kg	1.785	131.872	mg/kg	0.0132 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0506 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS205--22082022-0.60

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

Sample details

Sample name:
WS205--22082022-0.60
Moisture content:
15%
(wet weight correction)

LoW Code:
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: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		34 mg/kg	1.32	38.157 mg/kg	0.00382 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2 mg/kg	2.775	4.718 mg/kg	0.000472 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.3 mg/kg	13.43	14.84 mg/kg	0.00148 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		64 mg/kg	1.462	93.54 mg/kg	0.00935 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19 mg/kg	1.126	18.183 mg/kg	0.00182 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	25	mg/kg		21.25	mg/kg	0.00213 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				45	mg/kg	1.579	60.416	mg/kg	0.00604 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8	pH		8	pH	8pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				120	mg/kg	1.245	126.961	mg/kg	0.0127 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				100	mg/kg	1.785	151.741	mg/kg	0.0152 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0539 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS209--22082022-0.30

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

Sample details

Sample name:
WS209--22082022-0.30
Moisture content:
7.4%
(wet weight correction)

LoW Code:
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: 7.4% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		36	mg/kg	1.32	44.014	mg/kg	0.0044 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1	mg/kg	2.775	2.827	mg/kg	0.000283 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8	mg/kg	13.43	9.949	mg/kg	0.000995 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38	mg/kg	1.462	55.539	mg/kg	0.00555 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17	mg/kg	1.126	17.724	mg/kg	0.00177 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	31	mg/kg		28.706	mg/kg	0.00287 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				25	mg/kg	1.579	36.565	mg/kg	0.00366 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.4	pH		7.4	pH	7.4 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				95	mg/kg	1.245	109.497	mg/kg	0.0109 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				68	mg/kg	1.785	112.41	mg/kg	0.0112 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0426 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS214--22082022-0.10

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

Sample details

Sample name:
WS214--22082022-0.10
Moisture content:
2.8%
(wet weight correction)

LoW Code:
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: 2.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		63 mg/kg	1.32	80.851 mg/kg	0.00809 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4 mg/kg	2.775	3.777 mg/kg	0.000378 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.1 mg/kg	13.43	14.359 mg/kg	0.00144 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		50 mg/kg	1.462	73.078 mg/kg	0.00731 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	16.415 mg/kg	0.00164 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	28	mg/kg		27.216	mg/kg	0.00272 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				33	mg/kg	1.579	50.664	mg/kg	0.00507 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				96	mg/kg	1.245	116.147	mg/kg	0.0116 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				91	mg/kg	1.785	157.903	mg/kg	0.0158 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.055 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS203--23082022-0.10

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

Sample details

Sample name:
WS203--23082022-0.10
Moisture content:
2.8%
(wet weight correction)

LoW Code:
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: 2.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		52 mg/kg	1.32	66.735 mg/kg	0.00667 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4 mg/kg	2.775	3.777 mg/kg	0.000378 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	11.749 mg/kg	0.00117 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		48 mg/kg	1.462	70.155 mg/kg	0.00702 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	15.321 mg/kg	0.00153 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	35	mg/kg		34.02	mg/kg	0.0034 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				31	mg/kg	1.579	47.593	mg/kg	0.00476 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				86	mg/kg	1.245	104.048	mg/kg	0.0104 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				90	mg/kg	1.785	156.168	mg/kg	0.0156 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0519 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS204--23082022-0.20

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

Sample details

Sample name:
WS204--23082022-0.20
Moisture content:
5.2%
(wet weight correction)

LoW Code:
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: 5.2% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		67	mg/kg	1.32	83.862	mg/kg	0.00839 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6	mg/kg	2.775	4.21	mg/kg	0.000421 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.4	mg/kg	13.43	30.556	mg/kg	0.00306 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		56	mg/kg	1.462	81.847	mg/kg	0.00818 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19	mg/kg	1.126	20.28	mg/kg	0.00203 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	55	mg/kg		52.14	mg/kg	0.00521 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				39	mg/kg	1.579	58.397	mg/kg	0.00584 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				96	mg/kg	1.245	113.279	mg/kg	0.0113 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				100	mg/kg	1.785	169.236	mg/kg	0.0169 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0623 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS204--23082022-0.60

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

Sample details

Sample name:
WS204--23082022-0.60
Moisture content:
6.5%
(wet weight correction)

LoW Code:
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: 6.5% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		79	mg/kg	1.32	97.526	mg/kg	0.00975 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6	mg/kg	2.775	4.152	mg/kg	0.000415 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.7	mg/kg	13.43	21.347	mg/kg	0.00213 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		60	mg/kg	1.462	87.693	mg/kg	0.00877 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16	mg/kg	1.126	16.843	mg/kg	0.00168 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	34	mg/kg		31.79	mg/kg	0.00318 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				44	mg/kg	1.579	64.981	mg/kg	0.0065 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				92	mg/kg	1.245	107.07	mg/kg	0.0107 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				110	mg/kg	1.785	183.606	mg/kg	0.0184 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0624 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS217--23082022-0.10

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

Sample details

Sample name:
WS217--23082022-0.10
Moisture content:
2.4%
(wet weight correction)

LoW Code:
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: 2.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		47 mg/kg	1.32	60.566 mg/kg	0.00606 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	3.521 mg/kg	0.000352 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.1 mg/kg	13.43	14.418 mg/kg	0.00144 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		47 mg/kg	1.462	68.693 mg/kg	0.00687 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	16.483 mg/kg	0.00165 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	30	mg/kg		29.28	mg/kg	0.00293 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				32	mg/kg	1.579	49.331	mg/kg	0.00493 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				110	mg/kg	1.245	133.632	mg/kg	0.0134 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				90	mg/kg	1.785	156.811	mg/kg	0.0157 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0542 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS226--23082022-0.20

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

Sample details

Sample name:
WS226--23082022-0.20
Moisture content:
2.6%
(wet weight correction)

LoW Code:
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: 2.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		57 mg/kg	1.32	73.302 mg/kg	0.00733 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	4.055 mg/kg	0.000405 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.616 mg/kg	0.000262 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		55 mg/kg	1.462	80.386 mg/kg	0.00804 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17 mg/kg	1.126	18.642 mg/kg	0.00186 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	32	mg/kg		31.168	mg/kg	0.00312 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				36	mg/kg	1.579	55.384	mg/kg	0.00554 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				92	mg/kg	1.245	111.536	mg/kg	0.0112 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				96	mg/kg	1.785	166.922	mg/kg	0.0167 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0553 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS227--25082022-0.30

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

Sample details

Sample name:
WS227--25082022-0.30
Moisture content:
2.8%
(wet weight correction)

LoW Code:
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: 2.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		43 mg/kg	1.32	55.184 mg/kg	0.00552 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	2.967 mg/kg	0.000297 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	9.138 mg/kg	0.000914 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		40 mg/kg	1.462	58.462 mg/kg	0.00585 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	12.038 mg/kg	0.0012 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	31	mg/kg		30.132	mg/kg	0.00301 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				27	mg/kg	1.579	41.452	mg/kg	0.00415 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.3	pH		7.3	pH	7.3 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				76	mg/kg	1.245	91.95	mg/kg	0.00919 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				81	mg/kg	1.785	140.551	mg/kg	0.0141 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0451 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP210--25082022-0.20

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

Sample details

Sample name:
HP210--25082022-0.20
Moisture content:
6%
(wet weight correction)

LoW Code:
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: 6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		35 mg/kg	1.32	43.439 mg/kg	0.00434 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.21 mg/kg		0.197 mg/kg	0.0000197 %	✓	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.29 mg/kg		0.273 mg/kg	0.0000273 %	✓	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.39 mg/kg		0.367 mg/kg	0.0000367 %	✓	
9	benzo[ghi]perylene		205-883-8	191-24-2		0.29 mg/kg		0.273 mg/kg	0.0000273 %	✓	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.18 mg/kg		0.169 mg/kg	0.0000169 %	✓	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.98 mg/kg	2.775	2.557 mg/kg	0.000256 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	10.099 mg/kg	0.00101 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36 mg/kg	1.462	52.616 mg/kg	0.00526 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		0.18 mg/kg		0.169 mg/kg	0.0000169 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		copper { dicopper oxide; copper (I) oxide }				14	mg/kg	1.126	14.817	mg/kg	0.00148 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.35	mg/kg		0.329	mg/kg	0.0000329 %	✓	
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.24	mg/kg		0.226	mg/kg	0.0000226 %	✓	
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	34	mg/kg		31.96	mg/kg	0.0032 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				24	mg/kg	1.579	35.634	mg/kg	0.00356 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		pyrene				0.42	mg/kg		0.395	mg/kg	0.0000395 %	✓	
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				100	mg/kg	1.245	117.003	mg/kg	0.0117 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				61	mg/kg	1.785	102.363	mg/kg	0.0102 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0432 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP208--25082022-0.30

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

Sample details

Sample name:
HP208--25082022-0.30
Moisture content:
14%
(wet weight correction)

LoW Code:
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: 14% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		34 mg/kg	1.32	38.606 mg/kg	0.00386 %	✓	
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.96 mg/kg	2.775	2.291 mg/kg	0.000229 %	✓	
12		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.1 mg/kg	13.43	12.705 mg/kg	0.00127 %	✓	
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	13.556 mg/kg	0.00136 %	✓	
18	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				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	40 mg/kg		34.4 mg/kg	0.00344 %	✓	
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		21 mg/kg	1.579	28.526 mg/kg	0.00285 %	✓	
28	pH			PH		8.3 pH		8.3 pH	8.3 pH		
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
34	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]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		93 mg/kg	1.245	99.552 mg/kg	0.00996 %	✓	
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		56 mg/kg	1.785	85.975 mg/kg	0.0086 %	✓	
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
								Total:	0.0377 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP208--25082022-0.80

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

Sample details

Sample name:
HP208--25082022-0.80
Moisture content:
17%
(wet weight correction)

LoW Code:
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: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		27 mg/kg	1.32	29.588 mg/kg	0.00296 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.81 mg/kg	2.775	1.866 mg/kg	0.000187 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	7.803 mg/kg	0.00078 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		5.5 mg/kg	1.923	10.577 mg/kg	0.00106 %		
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<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									
17		copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	20.559	mg/kg	0.00206 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	65	mg/kg		53.95	mg/kg	0.0054 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.0001	mg/kg		<0.0001	mg/kg	<0.00000001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				24	mg/kg	1.579	31.464	mg/kg	0.00315 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
32		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
33		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
34		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
35		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
36		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
37		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
38		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
39		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<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]									
40		zinc { zinc oxide }				120	mg/kg	1.245	123.974	mg/kg	0.0124 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
41		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									

#		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		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
43		1,2-dichloroethane; ethylene dichloride											
		602-012-00-7	203-458-1	107-06-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
44		monohydric phenols											
				P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
45		vanadium { divanadium pentaoxide; vanadium pentoxide }											
		023-001-00-8	215-239-8	1314-62-1		46	mg/kg	1.785	68.158	mg/kg	0.00682 %	✓	
46		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane											
		603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
47		1,1,1-trichloroethane; methyl chloroform											
		602-013-00-2	200-756-3	71-55-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
48		1,1,2,2-tetrachloroethane											
		602-015-00-3	201-197-8	79-34-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
49		1,1,2-trichloroethane											
		602-014-00-8	201-166-9	79-00-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
50		1,1-dichloroethylene; vinylidene chloride											
		602-025-00-8	200-864-0	75-35-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
51		1,1-dichloroethane											
		602-011-00-1	200-863-5	75-34-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
52		1,1-dichloropropene											
		602-031-00-0	209-253-3	563-58-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
53		1,2,3-trichlorobenzene											
			201-757-1	87-61-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
54		1,2,4-trimethylbenzene											
		601-043-00-3	202-436-9	95-63-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
55		1,2-dibromoethane											
		602-010-00-6	203-444-5	106-93-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
56		1,2-dichlorobenzene; o-dichlorobenzene											
		602-034-00-7	202-425-9	95-50-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
57		1,2-dichloropropane; propylene dichloride											
		602-020-00-0	201-152-2	78-87-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
58		1,3-dichlorbenzene											
		602-067-00-7	208-792-1	541-73-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
59		1,3-dichloropropane											
			205-531-3	142-28-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
60		1,4-dichlorobenzene; p-dichlorobenzene											
		602-035-00-2	203-400-5	106-46-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
61		2,2-dichloropropane											
			209-832-0	594-20-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
62		bromodichloromethane											
			200-856-7	75-27-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
63		bromomethane; methylbromide											
		602-002-00-2	200-813-2	74-83-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
64		bromobenzene											
		602-060-00-9	203-623-8	108-86-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
65		n-butylbenzene											
			203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
66		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]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
67		chlorobenzene											
		602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
68		chloroethane											
		602-009-00-0	200-830-5	75-00-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**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									
69		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
70		chloromethane; methyl chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
71		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
72		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
73		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
74		hexachlorobutadiene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3									
75		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
76		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
77		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
78		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
79		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
80		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
81		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
82		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
83		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
84		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
85		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
86		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
87		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
88		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
89		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
90		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
91		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
92		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
93		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									

#		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									
94		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
95		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
96		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
97		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
98		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
99		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
100		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
101		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
102		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
103		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
104		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
105		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
106		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
107		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
108		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
109		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
110		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
111		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
112		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
113		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
114		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		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]									
115		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
116		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.04 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because There isn't enough Metal and Cr(VI) to make the Metal chromate - but don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00106%)

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

- **boron tribromide/trichloride/trifluoride (combined)** (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , Skin Corr. 1B; H314

- **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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

lead compounds with the exception of those specified elsewhere in this Annex

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
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 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

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

monohydric phenols (CAS Number: P1186)

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

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

EU CLP index number: 023-001-00-8
Description/Comments:
Additional Hazard Statement(s): None.

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

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

1,3-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

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

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

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

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

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

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

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

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

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

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

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

hexachloroethane (EC Number: 200-666-4, CAS Number: 67-72-1)

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: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

2-nitrophenol (EC Number: 201-857-5, CAS Number: 88-75-5)

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; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

bis(2-chloroethoxy)methane (EC Number: 203-920-2, CAS Number: 111-91-1)

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. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

2-methyl naphthalene (EC Number: 202-078-3, CAS Number: 91-57-6)

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 1; H410

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

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: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

dimethyl phthalate (EC Number: 205-011-6, CAS Number: 131-11-3)

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: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

dibenzofuran (EC Number: 205-071-3, CAS Number: 132-64-9)

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; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

4-chlorophenylphenylether (EC Number: 230-281-7, CAS Number: 7005-72-3)

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 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

diethyl phthalate (EC Number: 201-550-6, CAS Number: 84-66-2)

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: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

4-bromophenylphenylether (EC Number: 202-952-4, CAS Number: 101-55-3)

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 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

carbazole (EC Number: 201-696-0, CAS Number: 86-74-8)

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 Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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}

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.263.5340.9974 (20 Sep 2022)
HazWasteOnline Database: 2022.273.5362.10003 (03 Oct 2022)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

Hydrock

HazWasteOnline™

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)

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

YXEKE-RL9L7-R8RDU

Job name

22-82408_HWOL_Results

Description/Comments

i2 Lab Reports 22-82372, 22-82408, 22-82414, 22-82420, 22-83964, 22-83965, 22-83966 & 22-85537

Project

19114

Site

Begbroke

Classified by

Name:
Nathan Thompson
Date:
26 Oct 2022 18:57 GMT
Telephone:
07557 345 513

Company:
Hydrock Consultants Ltd
Hawthorn Park
Holdenby Road, Spratton
Northampton
NN6 8LD

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: **CERTIFIED**

Course	Date
Hazardous Waste Classification	22 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	HP207--25082022-0.70		Non Hazardous		2
2	HP209--25082022-0.30		Non Hazardous		4
3	WS232--26082022-0.20		Non Hazardous		10
4	WS230--26082022-0.20		Non Hazardous		12
5	WS211--26082022-0.10		Non Hazardous		14
6	BH201--30082022-0.20		Non Hazardous		16
7	BH202--31082022-0.10		Non Hazardous		18
8	BH204--31082022-0.20		Non Hazardous		20
9	BH205--01092022-0.10		Non Hazardous		22
10	BH205--01092022-0.40		Non Hazardous		24
11	BH203--01092022-0.10		Non Hazardous		26
12	BH203--01092022-0.50		Non Hazardous		28
13	WS244--01092022-0.20		Non Hazardous		30
14	WS241--01092022-0.20		Non Hazardous		32
15	WS251--01092022-0.20		Non Hazardous		34

Related documents

#	Name	Description
1	22-82408_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Nathan Thompson

Created date: 26 Oct 2022 18:57 GMT

Classification of sample: HP207--25082022-0.70

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

Sample details

Sample name:
HP207--25082022-0.70
Moisture content:
9.1%
(wet weight correction)

LoW Code:
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: 9.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		73 mg/kg	1.32	87.613 mg/kg	0.00876 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6 mg/kg	2.775	4.036 mg/kg	0.000404 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.883 mg/kg	0.000488 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		58 mg/kg	1.462	84.77 mg/kg	0.00848 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.5 mg/kg	1.126	7.676 mg/kg	0.000768 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17	mg/kg		15.453	mg/kg	0.00155 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				36	mg/kg	1.579	51.688	mg/kg	0.00517 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				89	mg/kg	1.245	100.699	mg/kg	0.0101 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				120	mg/kg	1.785	194.728	mg/kg	0.0195 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0561 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP209--25082022-0.30

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

Sample details

Sample name:
HP209--25082022-0.30
Moisture content:
4.5%
(wet weight correction)

LoW Code:
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: 4.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		49 mg/kg	1.32	61.785 mg/kg	0.00618 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	3.976 mg/kg	0.000398 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	11.543 mg/kg	0.00115 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		52 mg/kg	1.462	76.001 mg/kg	0.0076 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<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									
17		copper { dicopper oxide; copper (I) oxide }				14	mg/kg	1.126	15.053	mg/kg	0.00151 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16	mg/kg		15.28	mg/kg	0.00153 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.0001	mg/kg		<0.0001	mg/kg	<0.00000001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				37	mg/kg	1.579	55.812	mg/kg	0.00558 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8.5	pH		8.5	pH	8.5 pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
32		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
33		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
34		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
35		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
36		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
37		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
38		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
39		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<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]									
40		zinc { zinc oxide }				99	mg/kg	1.245	117.681	mg/kg	0.0118 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
41		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									

#		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		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
43		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
44		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
45		vanadium { divanadium pentaoxide; vanadium pentoxide }				98	mg/kg	1.785	167.075	mg/kg	0.0167 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
46		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
47		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
48		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
49		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
51		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
52		1,2,3-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-757-1	87-61-6									
53		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
54		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
55		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
56		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
58		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
59		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
60		2,2-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
63		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
64		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
65		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
66		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
67		chloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
68		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									

#		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									
69		chloromethane; methyl chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
72		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
73		hexachlorobutadiene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3									
74		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
75		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
76		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
77		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
78		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
79		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
80		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
81		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
82		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
83		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
84		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
85		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
86		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
87		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
88		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
89		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
90		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
91		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
92		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
93		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									

#		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									
94		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
95		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
96		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
97		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
98		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
99		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
100		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
101		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
102		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
103		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
104		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
105		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
106		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
107		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
108		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
109		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
110		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
111		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
112		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
113		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
114		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		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]									
115		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
116		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.055 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS232--26082022-0.20

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

Sample details

Sample name:
WS232--26082022-0.20
Moisture content:
6.8%
(wet weight correction)

LoW Code:
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: 6.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20 mg/kg	1.32	24.611 mg/kg	0.00246 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.87 mg/kg	2.775	2.25 mg/kg	0.000225 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	11.265 mg/kg	0.00113 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32 mg/kg	1.462	46.77 mg/kg	0.00468 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13 mg/kg	1.126	13.641 mg/kg	0.00136 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	25	mg/kg		23.3	mg/kg	0.00233 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				19	mg/kg	1.579	27.97	mg/kg	0.0028 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8	pH		8	pH	8pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				59	mg/kg	1.245	68.444	mg/kg	0.00684 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				52	mg/kg	1.785	86.517	mg/kg	0.00865 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0314 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS230--26082022-0.20

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

Sample details

Sample name:
WS230--26082022-0.20
Moisture content:
4.1%
(wet weight correction)

LoW Code:
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: 4.1% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		44	mg/kg	1.32	55.712	mg/kg	0.00557 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3	mg/kg	2.775	3.46	mg/kg	0.000346 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.3	mg/kg	13.43	16.743	mg/kg	0.00167 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		44	mg/kg	1.462	64.308	mg/kg	0.00643 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14	mg/kg	1.126	15.116	mg/kg	0.00151 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	26	mg/kg		24.934	mg/kg	0.00249 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				30	mg/kg	1.579	45.442	mg/kg	0.00454 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				89	mg/kg	1.245	106.238	mg/kg	0.0106 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				83	mg/kg	1.785	142.095	mg/kg	0.0142 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0483 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS211--26082022-0.10

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

Sample details

Sample name:
WS211--26082022-0.10
Moisture content:
3.6%
(wet weight correction)

LoW Code:
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: 3.6% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		45	mg/kg	1.32	57.276	mg/kg	0.00573 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1	mg/kg	2.775	2.943	mg/kg	0.000294 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7	mg/kg	13.43	9.063	mg/kg	0.000906 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		39	mg/kg	1.462	57.001	mg/kg	0.0057 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13	mg/kg	1.126	14.11	mg/kg	0.00141 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	28	mg/kg		26.992	mg/kg	0.0027 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				27	mg/kg	1.579	41.111	mg/kg	0.00411 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				95	mg/kg	1.245	113.991	mg/kg	0.0114 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				71	mg/kg	1.785	122.185	mg/kg	0.0122 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0454 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH201--30082022-0.20

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

Sample details

Sample name:
BH201--30082022-0.20
Moisture content:
3.5%
(wet weight correction)

LoW Code:
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: 3.5% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		45	mg/kg	1.32	57.335	mg/kg	0.00573 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2	mg/kg	2.775	3.214	mg/kg	0.000321 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7	mg/kg	13.43	9.072	mg/kg	0.000907 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43	mg/kg	1.462	62.847	mg/kg	0.00628 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13	mg/kg	1.126	14.124	mg/kg	0.00141 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	29	mg/kg		27.985	mg/kg	0.0028 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		29	mg/kg	1.579	44.202	mg/kg	0.00442 %	✓	
26		pH			PH		6.6	pH		6.6	pH	6.6 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		76	mg/kg	1.245	91.287	mg/kg	0.00913 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		80	mg/kg	1.785	137.816	mg/kg	0.0138 %	✓	
											Total:	0.0457 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH202--31082022-0.10

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

Sample details

Sample name:
BH202--31082022-0.10
Moisture content:
4.4%
(wet weight correction)

LoW Code:
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: 4.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		29 mg/kg	1.32	36.605 mg/kg	0.00366 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1 mg/kg	2.775	2.653 mg/kg	0.000265 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	5.136 mg/kg	0.000514 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	11.84 mg/kg	0.00118 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20	mg/kg		19.12	mg/kg	0.00191 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				23	mg/kg	1.579	34.73	mg/kg	0.00347 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8	pH		8	pH	8pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				71	mg/kg	1.245	84.486	mg/kg	0.00845 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				64	mg/kg	1.785	109.225	mg/kg	0.0109 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0363 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH204--31082022-0.20

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

Sample details

Sample name:
BH204--31082022-0.20
Moisture content:
4.8%
(wet weight correction)

LoW Code:
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: 4.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		24 mg/kg	1.32	30.167 mg/kg	0.00302 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.85 mg/kg	2.775	2.246 mg/kg	0.000225 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	5.114 mg/kg	0.000511 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31 mg/kg	1.462	45.308 mg/kg	0.00453 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	12.862 mg/kg	0.00129 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	14	mg/kg		13.328	mg/kg	0.00133 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				21	mg/kg	1.579	31.577	mg/kg	0.00316 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8	pH		8	pH	8pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				66	mg/kg	1.245	78.208	mg/kg	0.00782 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				53	mg/kg	1.785	90.073	mg/kg	0.00901 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0318 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH205--01092022-0.10

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

Sample details

Sample name:
BH205--01092022-0.10
Moisture content:
8.2%
(wet weight correction)

LoW Code:
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: 8.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		24 mg/kg	1.32	29.089 mg/kg	0.00291 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	3.057 mg/kg	0.000306 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2 mg/kg	13.43	24.657 mg/kg	0.00247 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		42 mg/kg	1.462	61.385 mg/kg	0.00614 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	15.503 mg/kg	0.00155 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	32	mg/kg		29.376	mg/kg	0.00294 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				29	mg/kg	1.579	42.049	mg/kg	0.0042 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				88	mg/kg	1.245	100.553	mg/kg	0.0101 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				64	mg/kg	1.785	104.883	mg/kg	0.0105 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.042 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH205--01092022-0.40

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

Sample details

Sample name:
BH205--01092022-0.40
Moisture content:
8.8%
(wet weight correction)

LoW Code:
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: 8.8% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		49	mg/kg	1.32	59.003	mg/kg	0.0059 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4	mg/kg	2.775	3.544	mg/kg	0.000354 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.6	mg/kg	13.43	7.349	mg/kg	0.000735 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		49	mg/kg	1.462	71.616	mg/kg	0.00716 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15	mg/kg	1.126	15.402	mg/kg	0.00154 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16	mg/kg		14.592	mg/kg	0.00146 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				42	mg/kg	1.579	60.501	mg/kg	0.00605 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.5	pH		8.5	pH	8.5 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				73	mg/kg	1.245	82.868	mg/kg	0.00829 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				85	mg/kg	1.785	138.388	mg/kg	0.0138 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0462 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH203--01092022-0.10

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

Sample details

Sample name:
BH203--01092022-0.10
Moisture content:
3.8%
(wet weight correction)

LoW Code:
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: 3.8% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		29	mg/kg	1.32	36.834	mg/kg	0.00368 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.98	mg/kg	2.775	2.616	mg/kg	0.000262 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.9	mg/kg	13.43	11.628	mg/kg	0.00116 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33	mg/kg	1.462	48.231	mg/kg	0.00482 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13	mg/kg	1.126	14.08	mg/kg	0.00141 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	27	mg/kg		25.974	mg/kg	0.0026 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				23	mg/kg	1.579	34.948	mg/kg	0.00349 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.1	pH		7.1	pH	7.1 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				73	mg/kg	1.245	87.411	mg/kg	0.00874 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				59	mg/kg	1.785	101.324	mg/kg	0.0101 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0372 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH203--01092022-0.50

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

Sample details

Sample name:
BH203--01092022-0.50
Moisture content:
4.2%
(wet weight correction)

LoW Code:
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: 4.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		31 mg/kg	1.32	39.211 mg/kg	0.00392 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	2.925 mg/kg	0.000292 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.1 mg/kg	13.43	14.153 mg/kg	0.00142 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38 mg/kg	1.462	55.539 mg/kg	0.00555 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10 mg/kg	1.126	10.786 mg/kg	0.00108 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	18	mg/kg		17.244	mg/kg	0.00172 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		25	mg/kg	1.579	37.829	mg/kg	0.00378 %	✓	
26		pH			PH		7.5	pH		7.5	pH	7.5 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		74	mg/kg	1.245	88.24	mg/kg	0.00882 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		71	mg/kg	1.785	121.425	mg/kg	0.0121 %	✓	
											Total:	0.0397 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS244--01092022-0.20

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

Sample details

Sample name:
WS244--01092022-0.20
Moisture content:
4.7%
(wet weight correction)

LoW Code:
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: 4.7% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20	mg/kg	1.32	25.165	mg/kg	0.00252 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.93	mg/kg	2.775	2.46	mg/kg	0.000246 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4	mg/kg	13.43	5.12	mg/kg	0.000512 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34	mg/kg	1.462	49.693	mg/kg	0.00497 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16	mg/kg	1.126	17.168	mg/kg	0.00172 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	23	mg/kg		21.919	mg/kg	0.00219 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				21	mg/kg	1.579	31.611	mg/kg	0.00316 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				64	mg/kg	1.245	75.918	mg/kg	0.00759 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				52	mg/kg	1.785	88.467	mg/kg	0.00885 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0327 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS241--01092022-0.20

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

Sample details

Sample name:
WS241--01092022-0.20
Moisture content:
18%
(wet weight correction)

LoW Code:
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: 18% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	19.488 mg/kg	0.00195 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1 mg/kg	2.775	2.276 mg/kg	0.000228 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		3.5 mg/kg	13.43	38.544 mg/kg	0.00385 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36 mg/kg	1.462	52.616 mg/kg	0.00526 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	19.388 mg/kg	0.00194 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	33	mg/kg		27.06	mg/kg	0.00271 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				24	mg/kg	1.579	31.085	mg/kg	0.00311 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				91	mg/kg	1.245	92.881	mg/kg	0.00929 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				55	mg/kg	1.785	80.512	mg/kg	0.00805 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0373 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS251--01092022-0.20

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

Sample details

Sample name:
WS251--01092022-0.20
Moisture content:
18%
(wet weight correction)

LoW Code:
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: 18% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	17.323 mg/kg	0.00173 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	2.959 mg/kg	0.000296 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1 mg/kg	13.43	11.013 mg/kg	0.0011 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		45 mg/kg	1.462	65.77 mg/kg	0.00658 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	10.156 mg/kg	0.00102 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20	mg/kg		16.4	mg/kg	0.00164 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				25	mg/kg	1.579	32.38	mg/kg	0.00324 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				64	mg/kg	1.245	65.323	mg/kg	0.00653 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				64	mg/kg	1.785	93.687	mg/kg	0.00937 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0324 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

- **boron tribromide/trichloride/trifluoride (combined)** (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , Skin Corr. 1B; H314

- **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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

lead compounds with the exception of those specified elsewhere in this Annex

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
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 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

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

monohydric phenols (CAS Number: P1186)

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

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

EU CLP index number: 023-001-00-8
Description/Comments:
Additional Hazard Statement(s): None.

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

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

1,3-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

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

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

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

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

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

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

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

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

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

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

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

hexachloroethane (EC Number: 200-666-4, CAS Number: 67-72-1)

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: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

2-nitrophenol (EC Number: 201-857-5, CAS Number: 88-75-5)

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; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

bis(2-chloroethoxy)methane (EC Number: 203-920-2, CAS Number: 111-91-1)

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. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

2-methyl naphthalene (EC Number: 202-078-3, CAS Number: 91-57-6)

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 1; H410

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

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: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

dimethyl phthalate (EC Number: 205-011-6, CAS Number: 131-11-3)

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: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

dibenzofuran (EC Number: 205-071-3, CAS Number: 132-64-9)

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; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

4-chlorophenylphenylether (EC Number: 230-281-7, CAS Number: 7005-72-3)

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 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

diethyl phthalate (EC Number: 201-550-6, CAS Number: 84-66-2)

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: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

4-bromophenylphenylether (EC Number: 202-952-4, CAS Number: 101-55-3)

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 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

carbazole (EC Number: 201-696-0, CAS Number: 86-74-8)

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 Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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}

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.263.5340.9974 (20 Sep 2022)
HazWasteOnline Database: 2022.273.5362.10003 (03 Oct 2022)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

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)

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

3BNL1-ENK7P-417CZ

Job name

22-82414_HWOL_Results

Description/Comments

i2 Lab Reports 22-82372, 22-82408, 22-82414, 22-82420, 22-83964, 22-83965, 22-83966 & 22-85537

Project

19114

Site

Begbroke

Classified by

Name:
Nathan Thompson
Date:
26 Oct 2022 18:59 GMT
Telephone:
07557 345 513

Company:
Hydrock Consultants Ltd
Hawthorn Park
Holdenby Road, Spratton
Northampton
NN6 8LD

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: **CERTIFIED**

Course	Date
Hazardous Waste Classification	22 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

Related documents

#	Name	Description
1	22-82414_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Nathan Thompson

Created date: 26 Oct 2022 18:59 GMT

Classification of sample: WS215--25082022-0.20

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

Sample details

Sample name:
WS215--25082022-0.20
Moisture content:
22%
(wet weight correction)

LoW Code:
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: 22% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		25 mg/kg	1.32	25.746 mg/kg	0.00257 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	3.247 mg/kg	0.000325 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		4.2 mg/kg	13.43	43.997 mg/kg	0.0044 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		47 mg/kg	1.462	68.693 mg/kg	0.00687 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19 mg/kg	1.126	16.686 mg/kg	0.00167 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	32	mg/kg		24.96	mg/kg	0.0025 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				30	mg/kg	1.579	36.96	mg/kg	0.0037 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				85	mg/kg	1.245	82.525	mg/kg	0.00825 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				72	mg/kg	1.785	100.256	mg/kg	0.01 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0412 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS208--25082022-0.10

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

Sample details

Sample name:
WS208--25082022-0.10
Moisture content:
12%
(wet weight correction)

LoW Code:
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: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		36 mg/kg	1.32	41.828 mg/kg	0.00418 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.8 mg/kg	2.775	4.396 mg/kg	0.00044 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1 mg/kg	13.43	11.818 mg/kg	0.00118 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		54 mg/kg	1.462	78.924 mg/kg	0.00789 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23 mg/kg	1.126	22.788 mg/kg	0.00228 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	36	mg/kg		31.68	mg/kg	0.00317 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				37	mg/kg	1.579	51.429	mg/kg	0.00514 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.3	pH		7.3	pH	7.3 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				93	mg/kg	1.245	101.867	mg/kg	0.0102 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				86	mg/kg	1.785	135.103	mg/kg	0.0135 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0489 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS208--25082022-0.50

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

Sample details

Sample name:
WS208--25082022-0.50
Moisture content:
23%
(wet weight correction)

LoW Code:
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: 23% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		27	mg/kg	1.32	27.45	mg/kg	0.00274 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2.1	mg/kg	2.775	4.488	mg/kg	0.000449 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3	mg/kg	13.43	3.102	mg/kg	0.00031 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		55	mg/kg	1.462	80.386	mg/kg	0.00804 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25	mg/kg	1.126	21.673	mg/kg	0.00217 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	21	mg/kg		16.17	mg/kg	0.00162 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				52	mg/kg	1.579	63.243	mg/kg	0.00632 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				65	mg/kg	1.245	62.298	mg/kg	0.00623 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				57	mg/kg	1.785	78.352	mg/kg	0.00784 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0366 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS210--25082022-0.10

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

Sample details

Sample name:
WS210--25082022-0.10
Moisture content:
9.3%
(wet weight correction)

LoW Code:
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: 9.3% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		26	mg/kg	1.32	31.136	mg/kg	0.00311 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.7	mg/kg	2.775	4.279	mg/kg	0.000428 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.9	mg/kg	13.43	35.325	mg/kg	0.00353 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		55	mg/kg	1.462	80.386	mg/kg	0.00804 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18	mg/kg	1.126	18.381	mg/kg	0.00184 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	31	mg/kg		28.117	mg/kg	0.00281 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				33	mg/kg	1.579	47.276	mg/kg	0.00473 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.3	pH		7.3	pH	7.3 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				94	mg/kg	1.245	106.122	mg/kg	0.0106 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				81	mg/kg	1.785	131.152	mg/kg	0.0131 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0491 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS222--25082022-0.20

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

Sample details

Sample name:
WS222--25082022-0.20
Moisture content:
3.2%
(wet weight correction)

LoW Code:
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: 3.2% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		41	mg/kg	1.32	52.401	mg/kg	0.00524 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1	mg/kg	2.775	2.955	mg/kg	0.000296 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3	mg/kg	13.43	3.9	mg/kg	0.00039 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		39	mg/kg	1.462	57.001	mg/kg	0.0057 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14	mg/kg	1.126	15.258	mg/kg	0.00153 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	27	mg/kg		26.136	mg/kg	0.00261 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				27	mg/kg	1.579	41.282	mg/kg	0.00413 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				77	mg/kg	1.245	92.776	mg/kg	0.00928 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				73	mg/kg	1.785	126.148	mg/kg	0.0126 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0427 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS207--25082022-0.10

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

Sample details

Sample name:
WS207--25082022-0.10
Moisture content:
17%
(wet weight correction)

LoW Code:
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: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		29 mg/kg	1.32	31.78 mg/kg	0.00318 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	3.455 mg/kg	0.000346 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	10.032 mg/kg	0.001 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		47 mg/kg	1.462	68.693 mg/kg	0.00687 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17 mg/kg	1.126	15.886 mg/kg	0.00159 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	28	mg/kg		23.24	mg/kg	0.00232 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				31	mg/kg	1.579	40.641	mg/kg	0.00406 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				82	mg/kg	1.245	84.715	mg/kg	0.00847 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				78	mg/kg	1.785	115.573	mg/kg	0.0116 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0403 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS201--30082022-0.20

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

Sample details

Sample name:
WS201--30082022-0.20
Moisture content:
13%
(wet weight correction)

LoW Code:
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: 13% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		19	mg/kg	1.32	21.825	mg/kg	0.00218 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6	mg/kg	2.775	3.863	mg/kg	0.000386 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.3	mg/kg	13.43	15.189	mg/kg	0.00152 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43	mg/kg	1.462	62.847	mg/kg	0.00628 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21	mg/kg	1.126	20.57	mg/kg	0.00206 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20	mg/kg		17.4	mg/kg	0.00174 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				32	mg/kg	1.579	43.973	mg/kg	0.0044 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.4	pH		8.4	pH	8.4 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				88	mg/kg	1.245	95.295	mg/kg	0.00953 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				65	mg/kg	1.785	100.952	mg/kg	0.0101 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0391 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS202--30082022-0.20

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

Sample details

Sample name:
WS202--30082022-0.20
Moisture content:
7.4%
(wet weight correction)

LoW Code:
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: 7.4% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		28	mg/kg	1.32	34.233	mg/kg	0.00342 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3	mg/kg	2.775	3.341	mg/kg	0.000334 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.6	mg/kg	13.43	19.898	mg/kg	0.00199 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		46	mg/kg	1.462	67.232	mg/kg	0.00672 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15	mg/kg	1.126	15.639	mg/kg	0.00156 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	21	mg/kg		19.446	mg/kg	0.00194 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				29	mg/kg	1.579	42.416	mg/kg	0.00424 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				81	mg/kg	1.245	93.361	mg/kg	0.00934 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				73	mg/kg	1.785	120.675	mg/kg	0.0121 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0425 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS216--30082022-0.20

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

Sample details

Sample name:
WS216--30082022-0.20
Moisture content:
3.9%
(wet weight correction)

LoW Code:
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: 3.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		65 mg/kg	1.32	82.474 mg/kg	0.00825 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.9 mg/kg	2.775	5.068 mg/kg	0.000507 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	11.616 mg/kg	0.00116 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		65 mg/kg	1.462	95.001 mg/kg	0.0095 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18 mg/kg	1.126	19.476 mg/kg	0.00195 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	26	mg/kg		24.986	mg/kg	0.0025 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				49	mg/kg	1.579	74.377	mg/kg	0.00744 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				110	mg/kg	1.245	131.579	mg/kg	0.0132 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				120	mg/kg	1.785	205.868	mg/kg	0.0206 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.066 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS216--30082022-0.50

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

Sample details

Sample name:
WS216--30082022-0.50
Moisture content:
8.2%
(wet weight correction)

LoW Code:
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: 8.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		93 mg/kg	1.32	112.721 mg/kg	0.0113 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2.5 mg/kg	2.775	6.369 mg/kg	0.000637 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.931 mg/kg	0.000493 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		100 mg/kg	1.462	146.156 mg/kg	0.0146 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	20.671 mg/kg	0.00207 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	22	mg/kg		20.196	mg/kg	0.00202 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				57	mg/kg	1.579	82.649	mg/kg	0.00826 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				130	mg/kg	1.245	148.544	mg/kg	0.0149 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				190	mg/kg	1.785	311.372	mg/kg	0.0311 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0863 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS212--30082022-0.20

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

Sample details

Sample name:
WS212--30082022-0.20
Moisture content:
4.1%
(wet weight correction)

LoW Code:
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: 4.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		62 mg/kg	1.32	78.504 mg/kg	0.00785 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	3.992 mg/kg	0.000399 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.2 mg/kg	13.43	28.335 mg/kg	0.00283 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		54 mg/kg	1.462	78.924 mg/kg	0.00789 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17 mg/kg	1.126	18.355 mg/kg	0.00184 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	26	mg/kg		24.934	mg/kg	0.00249 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				37	mg/kg	1.579	56.045	mg/kg	0.0056 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				94	mg/kg	1.245	112.206	mg/kg	0.0112 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				96	mg/kg	1.785	164.351	mg/kg	0.0164 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0575 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS202--30082022-1.10

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

Sample details

Sample name:
WS202--30082022-1.10
Moisture content:
11%
(wet weight correction)

LoW Code:
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: 11% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		48 mg/kg	1.32	56.404 mg/kg	0.00564 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	3.705 mg/kg	0.000371 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	8.367 mg/kg	0.000837 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		48 mg/kg	1.462	70.155 mg/kg	0.00702 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18 mg/kg	1.126	18.037 mg/kg	0.0018 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	21	mg/kg		18.69	mg/kg	0.00187 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				49	mg/kg	1.579	68.882	mg/kg	0.00689 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				87	mg/kg	1.245	96.378	mg/kg	0.00964 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				92	mg/kg	1.785	146.171	mg/kg	0.0146 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0496 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS231--31082022-0.20

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

Sample details

Sample name:
WS231--31082022-0.20
Moisture content:
2.3%
(wet weight correction)

LoW Code:
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: 2.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		30 mg/kg	1.32	38.699 mg/kg	0.00387 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.88 mg/kg	2.775	2.386 mg/kg	0.000239 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	9.185 mg/kg	0.000918 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	15.4 mg/kg	0.00154 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	21	mg/kg		20.517	mg/kg	0.00205 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				27	mg/kg	1.579	41.666	mg/kg	0.00417 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				65	mg/kg	1.245	79.046	mg/kg	0.0079 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				51	mg/kg	1.785	88.95	mg/kg	0.0089 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0347 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS238--31082022-0.20

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

Sample details

Sample name:
WS238--31082022-0.20
Moisture content:
5.2%
(wet weight correction)

LoW Code:
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: 5.2% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		48	mg/kg	1.32	60.08	mg/kg	0.00601 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3	mg/kg	2.775	3.42	mg/kg	0.000342 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2	mg/kg	13.43	25.463	mg/kg	0.00255 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		47	mg/kg	1.462	68.693	mg/kg	0.00687 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16	mg/kg	1.126	17.077	mg/kg	0.00171 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	22	mg/kg		20.856	mg/kg	0.00209 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				34	mg/kg	1.579	50.91	mg/kg	0.00509 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				94	mg/kg	1.245	110.919	mg/kg	0.0111 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				94	mg/kg	1.785	159.081	mg/kg	0.0159 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0526 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS238--31082022-0.60

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

Sample details

Sample name:
WS238--31082022-0.60
Moisture content:
6.2%
(wet weight correction)

LoW Code:
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: 6.2% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		44	mg/kg	1.32	54.492	mg/kg	0.00545 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1	mg/kg	2.775	2.864	mg/kg	0.000286 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7	mg/kg	13.43	8.818	mg/kg	0.000882 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		40	mg/kg	1.462	58.462	mg/kg	0.00585 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15	mg/kg	1.126	15.841	mg/kg	0.00158 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19	mg/kg		17.822	mg/kg	0.00178 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				28	mg/kg	1.579	41.484	mg/kg	0.00415 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8	pH		8	pH	8pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				83	mg/kg	1.245	96.906	mg/kg	0.00969 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				79	mg/kg	1.785	132.286	mg/kg	0.0132 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0438 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

- **boron tribromide/trichloride/trifluoride (combined)** (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , Skin Corr. 1B; H314

- **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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

lead compounds with the exception of those specified elsewhere in this Annex

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
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 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

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

monohydric phenols (CAS Number: P1186)

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

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

EU CLP index number: 023-001-00-8
Description/Comments:
Additional Hazard Statement(s): None.

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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}

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.263.5340.9974 (20 Sep 2022)
HazWasteOnline Database: 2022.273.5362.10003 (03 Oct 2022)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

Hydrock

HazWasteOnline™

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)

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

CLY2W-BOPRB-0VQWQ

Job name

22-82420_HWOL_Results

Description/Comments

i2 Lab Reports 22-82372, 22-82408, 22-82414, 22-82420, 22-83964, 22-83965, 22-83966 & 22-85537

Project

19114

Site

Begbroke

Classified by

Name:
Nathan Thompson
Date:
26 Oct 2022 19:01 GMT
Telephone:
07557 345 513

Company:
Hydrock Consultants Ltd
Hawthorn Park
Holdenby Road, Spratton
Northampton
NN6 8LD

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: **CERTIFIED**

Course	Date
Hazardous Waste Classification	22 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS250--01092022-0.20		Non Hazardous		2
2	WS227--23082022-0.70		Non Hazardous		5
3	WS243--02092022-0.40		Non Hazardous		7
4	WS245--02092022-0.50		Non Hazardous		10
5	WS246--02092022-0.20		Non Hazardous		12
6	WS237--02092022-0.20		Non Hazardous		14
7	WS229--02092022-0.10		Non Hazardous		16
8	WS243--02092022-0.20		Non Hazardous		18
9	WS245--02092022-0.20		Non Hazardous		20
10	WS206--24082022-0.20		Non Hazardous		22
11	WS218--24082022-0.10		Non Hazardous		24
12	WS218--24082022-0.60		Non Hazardous		26
13	WS223--24082022-0.10		Non Hazardous		28
14	WS219--24082022-0.20		Non Hazardous		31
15	WS220--24082022-0.10		Non Hazardous		33

Related documents

#	Name	Description
1	22-82420_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Nathan Thompson

Created date: 26 Oct 2022 19:01 GMT

Classification of sample: WS250--01092022-0.20

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

Sample details

Sample name:
WS250--01092022-0.20
Moisture content:
6.2%
(wet weight correction)

LoW Code:
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: 6.2% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17	mg/kg	1.32	21.054	mg/kg	0.00211 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.99	mg/kg	2.775	2.577	mg/kg	0.000258 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.7	mg/kg	13.43	21.415	mg/kg	0.00214 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38	mg/kg	1.462	55.539	mg/kg	0.00555 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		1.9	mg/kg	1.923	3.654	mg/kg	0.000365 %		
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11	mg/kg	1.126	11.617	mg/kg	0.00116 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	22	mg/kg		20.636	mg/kg	0.00206 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		21	mg/kg	1.579	31.113	mg/kg	0.00311 %	✓	
26		pH			PH		7.7	pH		7.7	pH	7.7 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		66	mg/kg	1.245	77.058	mg/kg	0.00771 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		57	mg/kg	1.785	95.447	mg/kg	0.00954 %	✓	
											Total:	0.0346 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because There isn't enough Metal and Cr(VI) to make the Metal chromate - but you don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00036%)

Classification of sample: WS227--23082022-0.70

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

Sample details

Sample name:
WS227--23082022-0.70
Moisture content:
3.4%
(wet weight correction)

LoW Code:
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: 3.4% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		37 mg/kg	1.32	47.191 mg/kg	0.00472 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	2.949 mg/kg	0.000295 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.892 mg/kg	0.000389 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		39 mg/kg	1.462	57.001 mg/kg	0.0057 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	11.964 mg/kg	0.0012 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	18	mg/kg		17.388	mg/kg	0.00174 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		26	mg/kg	1.579	39.671	mg/kg	0.00397 %	✓	
26		pH			PH		7.8	pH		7.8	pH	7.8 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		68	mg/kg	1.245	81.763	mg/kg	0.00818 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		72	mg/kg	1.785	124.163	mg/kg	0.0124 %	✓	
											Total:	0.0395 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS243--02092022-0.40

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

Sample details

Sample name:
WS243--02092022-0.40
Moisture content:
6.2%
(wet weight correction)

LoW Code:
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: 6.2% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		58 mg/kg	1.32	71.831 mg/kg	0.00718 %	✓	
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6 mg/kg	2.775	4.165 mg/kg	0.000417 %	✓	
12		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2 mg/kg	13.43	25.195 mg/kg	0.00252 %	✓	
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		63 mg/kg	1.462	92.078 mg/kg	0.00921 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17 mg/kg	1.126	17.953 mg/kg	0.0018 %	✓	
18	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				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	18 mg/kg		16.884 mg/kg	0.00169 %	✓	
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		39 mg/kg	1.579	57.781 mg/kg	0.00578 %	✓	
28	pH			PH		7.9 pH		7.9 pH	7.9 pH		
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
34	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]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		98 mg/kg	1.245	114.419 mg/kg	0.0114 %	✓	
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		110 mg/kg	1.785	184.195 mg/kg	0.0184 %	✓	
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
								Total:	0.0604 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS245--02092022-0.50

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

Sample details

Sample name:
WS245--02092022-0.50
Moisture content:
9.9%
(wet weight correction)

LoW Code:
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: 9.9% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		31	mg/kg	1.32	36.878	mg/kg	0.00369 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2	mg/kg	2.775	3.001	mg/kg	0.0003 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3	mg/kg	13.43	3.63	mg/kg	0.000363 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		42	mg/kg	1.462	61.385	mg/kg	0.00614 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11	mg/kg	1.126	11.159	mg/kg	0.00112 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	14	mg/kg		12.614	mg/kg	0.00126 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				42	mg/kg	1.579	59.771	mg/kg	0.00598 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				54	mg/kg	1.245	60.56	mg/kg	0.00606 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				71	mg/kg	1.785	114.2	mg/kg	0.0114 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0372 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS246--02092022-0.20

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

Sample details

Sample name:
WS246--02092022-0.20
Moisture content:
7.2%
(wet weight correction)

LoW Code:
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: 7.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		23 mg/kg	1.32	28.181 mg/kg	0.00282 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	3.091 mg/kg	0.000309 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.6 mg/kg	13.43	19.941 mg/kg	0.00199 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		44 mg/kg	1.462	64.308 mg/kg	0.00643 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17 mg/kg	1.126	17.762 mg/kg	0.00178 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20	mg/kg		18.56	mg/kg	0.00186 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				27	mg/kg	1.579	39.576	mg/kg	0.00396 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				97	mg/kg	1.245	112.044	mg/kg	0.0112 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				64	mg/kg	1.785	106.026	mg/kg	0.0106 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0419 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS237--02092022-0.20

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

Sample details

Sample name:
WS237--02092022-0.20
Moisture content:
2.5%
(wet weight correction)

LoW Code:
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: 2.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		48 mg/kg	1.32	61.791 mg/kg	0.00618 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	3.518 mg/kg	0.000352 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	11.785 mg/kg	0.00118 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		45 mg/kg	1.462	65.77 mg/kg	0.00658 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	16.466 mg/kg	0.00165 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	31	mg/kg		30.225	mg/kg	0.00302 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		29	mg/kg	1.579	44.66	mg/kg	0.00447 %	✓	
26		pH			PH		7.6	pH		7.6	pH	7.6 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		86	mg/kg	1.245	104.369	mg/kg	0.0104 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		83	mg/kg	1.785	144.466	mg/kg	0.0144 %	✓	
											Total:	0.0492 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS229--02092022-0.10

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

Sample details

Sample name:
WS229--02092022-0.10
Moisture content:
3.2%
(wet weight correction)

LoW Code:
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: 3.2% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		48	mg/kg	1.32	61.348	mg/kg	0.00613 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4	mg/kg	2.775	3.761	mg/kg	0.000376 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7	mg/kg	13.43	9.1	mg/kg	0.00091 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		48	mg/kg	1.462	70.155	mg/kg	0.00702 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15	mg/kg	1.126	16.348	mg/kg	0.00163 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	28	mg/kg		27.104	mg/kg	0.00271 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		33	mg/kg	1.579	50.456	mg/kg	0.00505 %	✓	
26		pH			PH		7.5	pH		7.5	pH	7.5 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		90	mg/kg	1.245	108.439	mg/kg	0.0108 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		120	mg/kg	1.785	207.367	mg/kg	0.0207 %	✓	
											Total:	0.0563 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS243--02092022-0.20

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

Sample details

Sample name:
WS243--02092022-0.20
Moisture content:
3.4%
(wet weight correction)

LoW Code:
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: 3.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		52 mg/kg	1.32	66.323 mg/kg	0.00663 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	3.485 mg/kg	0.000349 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.4 mg/kg	13.43	18.163 mg/kg	0.00182 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		46 mg/kg	1.462	67.232 mg/kg	0.00672 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	22.84 mg/kg	0.00228 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	29	mg/kg		28.014	mg/kg	0.0028 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				34	mg/kg	1.579	51.877	mg/kg	0.00519 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				120	mg/kg	1.245	144.287	mg/kg	0.0144 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				84	mg/kg	1.785	144.857	mg/kg	0.0145 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0556 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS245--02092022-0.20

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

Sample details

Sample name:
WS245--02092022-0.20
Moisture content:
8.2%
(wet weight correction)

LoW Code:
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: 8.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	21.817 mg/kg	0.00218 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	2.803 mg/kg	0.00028 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.4 mg/kg	13.43	17.26 mg/kg	0.00173 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		37 mg/kg	1.462	54.078 mg/kg	0.00541 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	11.369 mg/kg	0.00114 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19	mg/kg		17.442	mg/kg	0.00174 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				24	mg/kg	1.579	34.8	mg/kg	0.00348 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				71	mg/kg	1.245	81.128	mg/kg	0.00811 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				55	mg/kg	1.785	90.134	mg/kg	0.00901 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.034 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS206--24082022-0.20

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

Sample details

Sample name:
WS206--24082022-0.20
Moisture content:
4.2%
(wet weight correction)

LoW Code:
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: 4.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		64 mg/kg	1.32	80.952 mg/kg	0.0081 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4 mg/kg	2.775	3.722 mg/kg	0.000372 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.7 mg/kg	13.43	34.738 mg/kg	0.00347 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		52 mg/kg	1.462	76.001 mg/kg	0.0076 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	17.258 mg/kg	0.00173 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	36	mg/kg		34.488	mg/kg	0.00345 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				34	mg/kg	1.579	51.447	mg/kg	0.00514 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				110	mg/kg	1.245	131.168	mg/kg	0.0131 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				110	mg/kg	1.785	188.123	mg/kg	0.0188 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0627 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS218--24082022-0.10

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

Sample details

Sample name:
WS218--24082022-0.10
Moisture content:
1.9%
(wet weight correction)

LoW Code:
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: 1.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		48 mg/kg	1.32	62.171 mg/kg	0.00622 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	3.539 mg/kg	0.000354 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.587 mg/kg	0.000659 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		47 mg/kg	1.462	68.693 mg/kg	0.00687 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	13.254 mg/kg	0.00133 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	31	mg/kg		30.411	mg/kg	0.00304 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				30	mg/kg	1.579	46.485	mg/kg	0.00465 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				84	mg/kg	1.245	102.569	mg/kg	0.0103 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				83	mg/kg	1.785	145.355	mg/kg	0.0145 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0488 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS218--24082022-0.60

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

Sample details

Sample name:
WS218--24082022-0.60
Moisture content:
3.6%
(wet weight correction)

LoW Code:
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: 3.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		51 mg/kg	1.32	64.912 mg/kg	0.00649 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	3.211 mg/kg	0.000321 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.6 mg/kg	13.43	7.768 mg/kg	0.000777 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43 mg/kg	1.462	62.847 mg/kg	0.00628 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	11.939 mg/kg	0.00119 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	23	mg/kg		22.172	mg/kg	0.00222 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				29	mg/kg	1.579	44.156	mg/kg	0.00442 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				87	mg/kg	1.245	104.392	mg/kg	0.0104 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				79	mg/kg	1.785	135.953	mg/kg	0.0136 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0467 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS223--24082022-0.10

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

Sample details

Sample name:
WS223--24082022-0.10
Moisture content:
3.6%
(wet weight correction)

LoW Code:
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: 3.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		59 mg/kg	1.32	75.095 mg/kg	0.00751 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	4.013 mg/kg	0.000401 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.8 mg/kg	13.43	23.304 mg/kg	0.00233 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		53 mg/kg	1.462	77.462 mg/kg	0.00775 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<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									
17		copper { dicopper oxide; copper (I) oxide }				17	mg/kg	1.126	18.451	mg/kg	0.00185 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	28	mg/kg		26.992	mg/kg	0.0027 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				35	mg/kg	1.579	53.292	mg/kg	0.00533 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.5	pH		7.5	pH	7.5 pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				120	mg/kg	1.245	143.989	mg/kg	0.0144 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				97	mg/kg	1.785	166.929	mg/kg	0.0167 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0609 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS219--24082022-0.20

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

Sample details

Sample name:
WS219--24082022-0.20
Moisture content:
4.7%
(wet weight correction)

LoW Code:
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: 4.7% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		27 mg/kg	1.32	33.973 mg/kg	0.0034 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.81 mg/kg	2.775	2.142 mg/kg	0.000214 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.6 mg/kg	13.43	7.679 mg/kg	0.000768 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30 mg/kg	1.462	43.847 mg/kg	0.00438 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	15.022 mg/kg	0.0015 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	23	mg/kg		21.919	mg/kg	0.00219 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		20	mg/kg	1.579	30.105	mg/kg	0.00301 %	✓	
26		pH			PH		7.9	pH		7.9	pH	7.9 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		73	mg/kg	1.245	86.594	mg/kg	0.00866 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		49	mg/kg	1.785	83.363	mg/kg	0.00834 %	✓	
											Total:	0.0334 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS220--24082022-0.10

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

Sample details

Sample name:
WS220--24082022-0.10
Moisture content:
4.6%
(wet weight correction)

LoW Code:
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: 4.6% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		22 mg/kg	1.32	27.711 mg/kg	0.00277 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.91 mg/kg	2.775	2.409 mg/kg	0.000241 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.406 mg/kg	0.000641 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32 mg/kg	1.462	46.77 mg/kg	0.00468 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	15.037 mg/kg	0.0015 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	25	mg/kg		23.85	mg/kg	0.00239 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		21	mg/kg	1.579	31.644	mg/kg	0.00316 %	✓	
26		pH			PH		7.9	pH		7.9	pH	7.9 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		65	mg/kg	1.245	77.185	mg/kg	0.00772 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		53	mg/kg	1.785	90.263	mg/kg	0.00903 %	✓	
											Total:	0.033 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

boron tribromide/trichloride/trifluoride (combined) (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , Skin Corr. 1B; H314

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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

lead compounds with the exception of those specified elsewhere in this Annex

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
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 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

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

monohydric phenols (CAS Number: P1186)

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

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

EU CLP index number: 023-001-00-8
Description/Comments:
Additional Hazard Statement(s): None.

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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}

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.263.5340.9974 (20 Sep 2022)
HazWasteOnline Database: 2022.273.5362.10003 (03 Oct 2022)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

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)

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

K3G5Y-Q1R8J-B2ACP

Job name

22-83964_HWOL_Results

Description/Comments

i2 Lab Reports 22-82372, 22-82408, 22-82414, 22-82420, 22-83964, 22-83965, 22-83966 & 22-85537

Project

19114

Site

Begbroke

Classified by

Name:
Nathan Thompson
Date:
26 Oct 2022 19:03 GMT
Telephone:
07557 345 513

Company:
Hydrock Consultants Ltd
Hawthorn Park
Holdenby Road, Spratton
Northampton
NN6 8LD

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: **CERTIFIED**

Course	Date
Hazardous Waste Classification	22 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP224--08092022-0.50		Non Hazardous		2
2	TP232--07092022-0.20		Non Hazardous		4
3	TP234--07092022-0.20		Non Hazardous		6
4	TP230--07092022-0.20		Non Hazardous		8
5	TP231--07092022-0.20		Non Hazardous		11
6	TP201--09092022-0.70		Non Hazardous		13
7	TP205--09092022-0.15		Non Hazardous		15
8	TP211--09092022-0.15		Non Hazardous		17
9	WS249--06092022-0.10		Non Hazardous		19
10	WS252--06092022-0.10		Non Hazardous		21
11	WS252--06092022-0.40		Non Hazardous		23
12	WS239--06092022-0.10		Non Hazardous		25
13	WS248--06092022-0.10		Non Hazardous		27
14	TP227--05092022-0.20		Non Hazardous		29
15	TP221--05092022-0.20		Non Hazardous		31

Related documents

#	Name	Description
1	22-83964_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Nathan Thompson

Created date: 26 Oct 2022 19:03 GMT

Classification of sample: TP224--08092022-0.50

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

Sample details

Sample name:
TP224--08092022-0.50
Moisture content:
7.1%
(wet weight correction)

LoW Code:
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: 7.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		29 mg/kg	1.32	35.571 mg/kg	0.00356 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	2.836 mg/kg	0.000284 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.981 mg/kg	0.000998 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		45 mg/kg	1.462	65.77 mg/kg	0.00658 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	16.735 mg/kg	0.00167 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19	mg/kg		17.651	mg/kg	0.00177 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				23	mg/kg	1.579	33.749	mg/kg	0.00337 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				62	mg/kg	1.245	71.693	mg/kg	0.00717 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				69	mg/kg	1.785	114.432	mg/kg	0.0114 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0378 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP232--07092022-0.20

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

Sample details

Sample name:
TP232--07092022-0.20
Moisture content:
13%
(wet weight correction)

LoW Code:
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: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20 mg/kg	1.32	22.974 mg/kg	0.0023 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	3.139 mg/kg	0.000314 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2 mg/kg	13.43	23.368 mg/kg	0.00234 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		42 mg/kg	1.462	61.385 mg/kg	0.00614 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19 mg/kg	1.126	18.611 mg/kg	0.00186 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	33	mg/kg		28.71	mg/kg	0.00287 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				25	mg/kg	1.579	34.354	mg/kg	0.00344 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				92	mg/kg	1.245	99.627	mg/kg	0.00996 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				61	mg/kg	1.785	94.74	mg/kg	0.00947 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0396 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP234--07092022-0.20

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

Sample details

Sample name:
TP234--07092022-0.20
Moisture content:
12%
(wet weight correction)

LoW Code:
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: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	17.428 mg/kg	0.00174 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.96 mg/kg	2.775	2.345 mg/kg	0.000234 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.1 mg/kg	13.43	13 mg/kg	0.0013 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38 mg/kg	1.462	55.539 mg/kg	0.00555 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	11.889 mg/kg	0.00119 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	22	mg/kg		19.36	mg/kg	0.00194 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				18	mg/kg	1.579	25.019	mg/kg	0.0025 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.3	pH		7.3	pH	7.3 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				58	mg/kg	1.245	63.53	mg/kg	0.00635 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				53	mg/kg	1.785	83.261	mg/kg	0.00833 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0301 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP230--07092022-0.20

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

Sample details

Sample name:
TP230--07092022-0.20
Moisture content:
8.6%
(wet weight correction)

LoW Code:
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: 8.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	16.895 mg/kg	0.00169 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.8 mg/kg	2.775	2.029 mg/kg	0.000203 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.683 mg/kg	0.000368 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31 mg/kg	1.462	45.308 mg/kg	0.00453 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<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									
17		copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	11.32	mg/kg	0.00113 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19	mg/kg		17.366	mg/kg	0.00174 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				17	mg/kg	1.579	24.542	mg/kg	0.00245 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				53	mg/kg	1.245	60.296	mg/kg	0.00603 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				46	mg/kg	1.785	75.056	mg/kg	0.00751 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0276 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP231--07092022-0.20

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

Sample details

Sample name:
TP231--07092022-0.20
Moisture content:
8.2%
(wet weight correction)

LoW Code:
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: 8.2% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	18.181 mg/kg	0.00182 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.88 mg/kg	2.775	2.242 mg/kg	0.000224 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.3 mg/kg	13.43	16.027 mg/kg	0.0016 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36 mg/kg	1.462	52.616 mg/kg	0.00526 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	14.47 mg/kg	0.00145 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	22	mg/kg		20.196	mg/kg	0.00202 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		17	mg/kg	1.579	24.65	mg/kg	0.00246 %	✓	
26		pH			PH		7.9	pH		7.9	pH	7.9 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		61	mg/kg	1.245	69.701	mg/kg	0.00697 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		49	mg/kg	1.785	80.301	mg/kg	0.00803 %	✓	
											Total:	0.0308 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP201--09092022-0.70

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

Sample details

Sample name:
TP201--09092022-0.70
Moisture content:
5.8%
(wet weight correction)

LoW Code:
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: 5.8% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		83 mg/kg	1.32	103.231 mg/kg	0.0103 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.8 mg/kg	2.775	4.706 mg/kg	0.000471 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.53 mg/kg	0.000253 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		66 mg/kg	1.462	96.463 mg/kg	0.00965 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17 mg/kg	1.126	18.03 mg/kg	0.0018 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	18	mg/kg		16.956	mg/kg	0.0017 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		48	mg/kg	1.579	71.419	mg/kg	0.00714 %	✓	
26		pH			PH		8.4	pH		8.4	pH	8.4 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		130	mg/kg	1.245	152.428	mg/kg	0.0152 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		130	mg/kg	1.785	218.614	mg/kg	0.0219 %	✓	
											Total:	0.0694 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP205--09092022-0.15

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

Sample details

Sample name:
TP205--09092022-0.15
Moisture content:
5.3%
(wet weight correction)

LoW Code:
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: 5.3% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		54 mg/kg	1.32	67.519 mg/kg	0.00675 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	3.942 mg/kg	0.000394 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.359 mg/kg	0.000636 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		53 mg/kg	1.462	77.462 mg/kg	0.00775 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22 mg/kg	1.126	23.457 mg/kg	0.00235 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	31	mg/kg		29.357	mg/kg	0.00294 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		35	mg/kg	1.579	52.353	mg/kg	0.00524 %	✓	
26		pH			PH		7.8	pH		7.8	pH	7.8 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		100	mg/kg	1.245	117.874	mg/kg	0.0118 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		97	mg/kg	1.785	163.985	mg/kg	0.0164 %	✓	
											Total:	0.0551 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP211--09092022-0.15

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

Sample details

Sample name:
TP211--09092022-0.15
Moisture content:
4.5%
(wet weight correction)

LoW Code:
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: 4.5% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		39	mg/kg	1.32	49.176	mg/kg	0.00492 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1	mg/kg	2.775	2.915	mg/kg	0.000292 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7	mg/kg	13.43	8.978	mg/kg	0.000898 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		40	mg/kg	1.462	58.462	mg/kg	0.00585 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16	mg/kg	1.126	17.204	mg/kg	0.00172 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	32	mg/kg		30.56	mg/kg	0.00306 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		25	mg/kg	1.579	37.711	mg/kg	0.00377 %	✓	
26		pH			PH		7.9	pH		7.9	pH	7.9 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		70	mg/kg	1.245	83.209	mg/kg	0.00832 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		75	mg/kg	1.785	127.864	mg/kg	0.0128 %	✓	
											Total:	0.0425 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS249--06092022-0.10

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

Sample details

Sample name:
WS249--06092022-0.10
Moisture content:
4.4%
(wet weight correction)

LoW Code:
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: 4.4% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18	mg/kg	1.32	22.72	mg/kg	0.00227 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.81	mg/kg	2.775	2.149	mg/kg	0.000215 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5	mg/kg	13.43	6.42	mg/kg	0.000642 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32	mg/kg	1.462	46.77	mg/kg	0.00468 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.9	mg/kg	1.126	9.58	mg/kg	0.000958 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	15	mg/kg		14.34	mg/kg	0.00143 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		16	mg/kg	1.579	24.16	mg/kg	0.00242 %	✓	
26		pH			PH		6.9	pH		6.9	pH	6.9 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		40	mg/kg	1.245	47.598	mg/kg	0.00476 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		51	mg/kg	1.785	87.038	mg/kg	0.0087 %	✓	
											Total:	0.027 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS252--06092022-0.10

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

Sample details

Sample name:
WS252--06092022-0.10
Moisture content:
9.3%
(wet weight correction)

LoW Code:
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: 9.3% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		24 mg/kg	1.32	28.741 mg/kg	0.00287 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	3.021 mg/kg	0.000302 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.8 mg/kg	13.43	21.926 mg/kg	0.00219 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		44 mg/kg	1.462	64.308 mg/kg	0.00643 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	14.297 mg/kg	0.00143 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	23	mg/kg		20.861	mg/kg	0.00209 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		26	mg/kg	1.579	37.248	mg/kg	0.00372 %	✓	
26		pH			PH		7.9	pH		7.9	pH	7.9 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		76	mg/kg	1.245	85.801	mg/kg	0.00858 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		68	mg/kg	1.785	110.103	mg/kg	0.011 %	✓	
											Total:	0.0395 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS252--06092022-0.40

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

Sample details

Sample name:
WS252--06092022-0.40
Moisture content:
12%
(wet weight correction)

LoW Code:
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: 12% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		38 mg/kg	1.32	44.152 mg/kg	0.00442 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	2.931 mg/kg	0.000293 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.909 mg/kg	0.000591 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		45 mg/kg	1.462	65.77 mg/kg	0.00658 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.5 mg/kg	1.126	8.422 mg/kg	0.000842 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	13	mg/kg		11.44	mg/kg	0.00114 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		26	mg/kg	1.579	36.139	mg/kg	0.00361 %	✓	
26		pH			PH		8.1	pH		8.1	pH	8.1 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		45	mg/kg	1.245	49.291	mg/kg	0.00493 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		74	mg/kg	1.785	116.251	mg/kg	0.0116 %	✓	
											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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS239--06092022-0.10

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

Sample details

Sample name:
WS239--06092022-0.10
Moisture content:
7.7%
(wet weight correction)

LoW Code:
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: 7.7% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13 mg/kg	1.32	15.843 mg/kg	0.00158 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.64 mg/kg	2.775	1.639 mg/kg	0.000164 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1 mg/kg	13.43	12.396 mg/kg	0.00124 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23 mg/kg	1.462	33.616 mg/kg	0.00336 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	11.431 mg/kg	0.00114 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	23	mg/kg		21.229	mg/kg	0.00212 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15	mg/kg	1.579	21.868	mg/kg	0.00219 %	✓	
26		pH			PH		8	pH		8	pH	8pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		48	mg/kg	1.245	55.146	mg/kg	0.00551 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		41	mg/kg	1.785	67.557	mg/kg	0.00676 %	✓	
											Total:	0.025 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS248--06092022-0.10

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

Sample details

Sample name:
WS248--06092022-0.10
Moisture content:
9.1%
(wet weight correction)

LoW Code:
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: 9.1% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	16.802 mg/kg	0.00168 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.86 mg/kg	2.775	2.17 mg/kg	0.000217 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.104 mg/kg	0.00061 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33 mg/kg	1.462	48.231 mg/kg	0.00482 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13 mg/kg	1.126	13.305 mg/kg	0.00133 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	55	mg/kg		49.995	mg/kg	0.005 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		17	mg/kg	1.579	24.408	mg/kg	0.00244 %	✓	
26		pH			PH		6.8	pH		6.8	pH	6.8 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		52	mg/kg	1.245	58.835	mg/kg	0.00588 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		49	mg/kg	1.785	79.514	mg/kg	0.00795 %	✓	
											Total:	0.0309 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP227--05092022-0.20

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

Sample details

Sample name:
TP227--05092022-0.20
Moisture content:
4.5%
(wet weight correction)

LoW Code:
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: 4.5% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		36	mg/kg	1.32	45.393	mg/kg	0.00454 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1	mg/kg	2.775	2.65	mg/kg	0.000265 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.1	mg/kg	13.43	14.108	mg/kg	0.00141 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38	mg/kg	1.462	55.539	mg/kg	0.00555 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16	mg/kg	1.126	17.204	mg/kg	0.00172 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	20	mg/kg		19.1	mg/kg	0.00191 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		25	mg/kg	1.579	37.711	mg/kg	0.00377 %	✓	
26		pH			PH		8.1	pH		8.1	pH	8.1 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		89	mg/kg	1.245	105.794	mg/kg	0.0106 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		72	mg/kg	1.785	122.749	mg/kg	0.0123 %	✓	
											Total:	0.0429 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP221--05092022-0.20

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

Sample details

Sample name:
TP221--05092022-0.20
Moisture content:
3.9%
(wet weight correction)

LoW Code:
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: 3.9% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		41	mg/kg	1.32	52.022	mg/kg	0.0052 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2	mg/kg	2.775	3.201	mg/kg	0.00032 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5	mg/kg	13.43	6.453	mg/kg	0.000645 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43	mg/kg	1.462	62.847	mg/kg	0.00628 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20	mg/kg	1.126	21.64	mg/kg	0.00216 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	34	mg/kg		32.674	mg/kg	0.00327 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				28	mg/kg	1.579	42.501	mg/kg	0.00425 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.5	pH		7.5	pH	7.5 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				91	mg/kg	1.245	108.851	mg/kg	0.0109 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				74	mg/kg	1.785	126.952	mg/kg	0.0127 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0466 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

boron tribromide/trichloride/trifluoride (combined) (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , Skin Corr. 1B; H314

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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

lead compounds with the exception of those specified elsewhere in this Annex

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
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 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

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

monohydric phenols (CAS Number: P1186)

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

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

EU CLP index number: 023-001-00-8
Description/Comments:
Additional Hazard Statement(s): None.

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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}

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.263.5340.9974 (20 Sep 2022)
HazWasteOnline Database: 2022.273.5362.10003 (03 Oct 2022)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

Hydrock

HazWasteOnline™

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)

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

ASY7W-YA1XD-A7U7M

Job name

22-83965_HWOL_Results

Description/Comments

i2 Lab Reports 22-82372, 22-82408, 22-82414, 22-82420, 22-83964, 22-83965, 22-83966 & 22-85537

Project

19114

Site

Begbroke

Classified by

Name:
Nathan Thompson
Date:
26 Oct 2022 19:06 GMT
Telephone:
07557 345 513

Company:
Hydrock Consultants Ltd
Hawthorn Park
Holdenby Road, Spratton
Northampton
NN6 8LD

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: **CERTIFIED**

Course	Date
Hazardous Waste Classification	22 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS225--31082022-0.60		Non Hazardous		2
2	WS225--31082022-0.20		Non Hazardous		4
3	WS221--31082022-0.20		Non Hazardous		6
4	WS247--31082022-0.20		Non Hazardous		8
5	WS236--05092022-0.20		Hazardous	HP 3(i), HP 7, HP 11	10
6	WS228--05092022-0.20		Non Hazardous		16
7	WS235--05092022-0.20		Non Hazardous		18
8	WS242--05092022-0.20		Non Hazardous		20
9	TP206--08092022-0.20		Non Hazardous		23
10	TP217--08092022-0.40		Non Hazardous		25
11	TP218--08092022-0.15		Non Hazardous		27
12	TP219--08092022-0.25		Non Hazardous		29
13	TP214--08092022-0.50		Non Hazardous		31
14	TP223--08092022-0.15		Non Hazardous		33

Related documents

#	Name	Description
1	22-83965_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Nathan Thompson

Created date: 26 Oct 2022 19:06 GMT

Classification of sample: WS225--31082022-0.60

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

Sample details

Sample name:
WS225--31082022-0.60
Moisture content:
3.7%
(wet weight correction)

LoW Code:
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: 3.7% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		51	mg/kg	1.32	64.845	mg/kg	0.00648 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5	mg/kg	2.775	4.009	mg/kg	0.000401 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.8	mg/kg	13.43	23.28	mg/kg	0.00233 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		52	mg/kg	1.462	76.001	mg/kg	0.0076 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19	mg/kg	1.126	20.6	mg/kg	0.00206 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	33	mg/kg		31.779	mg/kg	0.00318 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				37	mg/kg	1.579	56.279	mg/kg	0.00563 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				100	mg/kg	1.245	119.866	mg/kg	0.012 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				94	mg/kg	1.785	161.599	mg/kg	0.0162 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0567 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS225--31082022-0.20

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

Sample details

Sample name:
WS225--31082022-0.20
Moisture content:
4.9%
(wet weight correction)

LoW Code:
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: 4.9% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		27	mg/kg	1.32	33.902	mg/kg	0.00339 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.89	mg/kg	2.775	2.349	mg/kg	0.000235 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.1	mg/kg	13.43	14.049	mg/kg	0.0014 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31	mg/kg	1.462	45.308	mg/kg	0.00453 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13	mg/kg	1.126	13.919	mg/kg	0.00139 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	94	mg/kg		89.394	mg/kg	0.00894 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				24	mg/kg	1.579	36.05	mg/kg	0.00361 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8	pH		8	pH	8pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				67	mg/kg	1.245	79.309	mg/kg	0.00793 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				63	mg/kg	1.785	106.956	mg/kg	0.0107 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.043 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS221--31082022-0.20

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

Sample details

Sample name:
WS221--31082022-0.20
Moisture content:
4.3%
(wet weight correction)

LoW Code:
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: 4.3% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		31	mg/kg	1.32	39.17	mg/kg	0.00392 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2	mg/kg	2.775	3.187	mg/kg	0.000319 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.4	mg/kg	13.43	30.846	mg/kg	0.00308 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		41	mg/kg	1.462	59.924	mg/kg	0.00599 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14	mg/kg	1.126	15.085	mg/kg	0.00151 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	21	mg/kg		20.097	mg/kg	0.00201 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				24	mg/kg	1.579	36.278	mg/kg	0.00363 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				75	mg/kg	1.245	89.339	mg/kg	0.00893 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				69	mg/kg	1.785	117.881	mg/kg	0.0118 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0421 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS247--31082022-0.20

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

Sample details

Sample name:
WS247--31082022-0.20
Moisture content:
9.2%
(wet weight correction)

LoW Code:
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: 9.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		30 mg/kg	1.32	35.966 mg/kg	0.0036 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	3.024 mg/kg	0.000302 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.756 mg/kg	0.000976 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		44 mg/kg	1.462	64.308 mg/kg	0.00643 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.5 mg/kg	1.126	9.712 mg/kg	0.000971 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	22	mg/kg		19.976	mg/kg	0.002 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				24	mg/kg	1.579	34.42	mg/kg	0.00344 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				77	mg/kg	1.245	87.025	mg/kg	0.0087 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				74	mg/kg	1.785	119.95	mg/kg	0.012 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0393 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS236--05092022-0.20

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS236--05092022-0.20
Moisture content:
2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

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 hazardous because No free product identified. Unlikely to be hazardous

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.216%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.216%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.216%)

Determinands

Moisture content: 2% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		25 mg/kg	1.32	32.348 mg/kg	0.00323 %	✓	
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**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									
6		benzo[a]anthracene				0.24	mg/kg		0.235	mg/kg	0.0000235 %	✓	
		601-033-00-9	200-280-6	56-55-3									
7		benzo[a]pyrene; benzo[def]chrysene				0.41	mg/kg		0.402	mg/kg	0.0000402 %	✓	
		601-032-00-3	200-028-5	50-32-8									
8		benzo[b]fluoranthene				0.52	mg/kg		0.51	mg/kg	0.000051 %	✓	
		601-034-00-4	205-911-9	205-99-2									
9		benzo[ghi]perylene				0.49	mg/kg		0.48	mg/kg	0.000048 %	✓	
			205-883-8	191-24-2									
10		benzo[k]fluoranthene				0.21	mg/kg		0.206	mg/kg	0.0000206 %	✓	
		601-036-00-5	205-916-6	207-08-9									
11		beryllium { beryllium oxide }				0.47	mg/kg	2.775	1.278	mg/kg	0.000128 %	✓	
		004-003-00-8	215-133-1	1304-56-9									
12		boron { boron tribromide/trichloride/trifluoride (combined) }				0.3	mg/kg	13.43	3.948	mg/kg	0.000395 %	✓	
				10294-33-4, 10294-34-5, 7637-07-2									
13		cadmium { cadmium sulfide }			1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
		048-010-00-4	215-147-8	1306-23-6									
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
			215-160-9	1308-38-9									
15		chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
16		chrysene				0.42	mg/kg		0.412	mg/kg	0.0000412 %	✓	
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				29	mg/kg	1.126	31.998	mg/kg	0.0032 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.34	mg/kg		0.333	mg/kg	0.0000333 %	✓	
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.32	mg/kg		0.314	mg/kg	0.0000314 %	✓	
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13	mg/kg		12.74	mg/kg	0.00127 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.0001	mg/kg		<0.0001	mg/kg	<0.00000001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				14	mg/kg	1.579	21.671	mg/kg	0.00217 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
29		phenanthrene				0.22	mg/kg		0.216	mg/kg	0.0000216 %	✓	
			201-581-5	85-01-8									
30		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									

#		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									
31		pyrene				0.39	mg/kg		0.382	mg/kg	0.0000382 %	✓	
			204-927-3	129-00-0									
32		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
33		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
34		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
35		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
36		TPH (C6 to C40) petroleum group				2200	mg/kg		2156	mg/kg	0.216 %	✓	
				TPH									
37		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
38		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
39		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<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]									
40		zinc { zinc oxide }				67	mg/kg	1.245	81.728	mg/kg	0.00817 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
41		hexachlorobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
42		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
43		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
44		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
45		vanadium { divanadium pentaoxide; vanadium pentoxide }				59	mg/kg	1.785	103.219	mg/kg	0.0103 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
46		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
47		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
48		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
49		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
50		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
51		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
52		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
53		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5]									

#		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							
			209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	1300-71-6 [6] 71975-58-1 [7]							
54	●	bis(2-chloroethoxy)methane				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1							
55		2,4-dichlorophenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2							
56		4-chloroaniline				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8							
57		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7							
58		2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2							
59		2,4,5-trichlorophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4							
60	●	2-methyl naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6							
61	●	2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
62	●	dimethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3							
63		2,6-dinitrotoluene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2							
64		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
65	●	dibenzofuran				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9							
66	●	4-chlorophenylphenylether				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3							
67	●	diethyl phthalate				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2							
68		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
69		azobenzene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3							
70	●	4-bromophenylphenylether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3							
71	●	carbazole				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8							
72		dibutyl phthalate; DBP				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2							
73		anthraquinone				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1							
74		BBP; benzyl butyl phthalate				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7							
75		1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
76		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
77		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
78		1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4							
79		1,1-dichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3							
80		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							

#		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									
81		1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
82		1,2,4-trimethylbenzene	202-436-9	95-63-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3											
83		1,2-dibromoethane	203-444-5	106-93-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6											
84		1,2-dichlorobenzene; o-dichlorobenzene	202-425-9	95-50-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7											
85		1,2-dichloropropane; propylene dichloride	201-152-2	78-87-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0											
86		1,3-dichlorbenzene	208-792-1	541-73-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7											
87		1,3-dichloropropane	205-531-3	142-28-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
88		1,4-dichlorobenzene; p-dichlorobenzene	203-400-5	106-46-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2											
89		2,2-dichloropropane	209-832-0	594-20-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
90		bromodichloromethane	200-856-7	75-27-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
91		bromomethane; methylbromide	200-813-2	74-83-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2											
92		bromobenzene	203-623-8	108-86-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9											
93		n-butylbenzene	203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
94		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5											
95		chlorobenzene	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1											
96		chloroethane	200-830-5	75-00-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-009-00-0											
97		chloroform; trichloromethane	200-663-8	67-66-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4											
98		chloromethane; methyl chloride	200-817-4	74-87-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-001-00-7											
99		dibromochloromethane	204-704-0	124-48-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
100		1,2-dibromo-3-chloropropane	202-479-3	96-12-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6											
101		dibromomethane	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8											
102		hexachlorobutadiene	201-765-5	87-68-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
103		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X											
104		4-isopropyltoluene	202-796-7	99-87-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
105		sec-butylbenzene	205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
106		styrene	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0											
107		trans-1,3-dichloropropene	431-460-4	10061-02-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
108		tert-butylbenzene	202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
109		bromoform; tribromomethane	200-854-6	75-25-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X											

#		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									
110		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
111		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			211-135-1	630-20-6									
112		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-892-3	75-69-4									
113		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-025-00-5	203-604-4	108-67-8									
114		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		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]									
115		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**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]									
116		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.249 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS228--05092022-0.20

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

Sample details

Sample name:
WS228--05092022-0.20
Moisture content:
5.1%
(wet weight correction)

LoW Code:
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: 5.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		48 mg/kg	1.32	60.143 mg/kg	0.00601 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	3.424 mg/kg	0.000342 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	5.098 mg/kg	0.00051 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		49 mg/kg	1.462	71.616 mg/kg	0.00716 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18 mg/kg	1.126	19.232 mg/kg	0.00192 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20	mg/kg		18.98	mg/kg	0.0019 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				35	mg/kg	1.579	52.463	mg/kg	0.00525 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.5	pH		7.5	pH	7.5 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				77	mg/kg	1.245	90.955	mg/kg	0.0091 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				91	mg/kg	1.785	154.167	mg/kg	0.0154 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0485 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS235--05092022-0.20

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

Sample details

Sample name:
WS235--05092022-0.20
Moisture content:
5.7%
(wet weight correction)

LoW Code:
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: 5.7% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		45	mg/kg	1.32	56.028	mg/kg	0.0056 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2	mg/kg	2.775	3.141	mg/kg	0.000314 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1	mg/kg	13.43	12.664	mg/kg	0.00127 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		45	mg/kg	1.462	65.77	mg/kg	0.00658 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14	mg/kg	1.126	14.864	mg/kg	0.00149 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	18	mg/kg		16.974	mg/kg	0.0017 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<**LOD**
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				28	mg/kg	1.579	41.705	mg/kg	0.00417 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				96	mg/kg	1.245	112.681	mg/kg	0.0113 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				80	mg/kg	1.785	134.674	mg/kg	0.0135 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0468 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS242--05092022-0.20

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

Sample details

Sample name:
WS242--05092022-0.20
Moisture content:
8.2%
(wet weight correction)

LoW Code:
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: 8.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		24 mg/kg	1.32	29.089 mg/kg	0.00291 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	2.803 mg/kg	0.00028 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.6 mg/kg	13.43	7.397 mg/kg	0.00074 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<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									
17		copper { dicopper oxide; copper (I) oxide }				18	mg/kg	1.126	18.604	mg/kg	0.00186 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	26	mg/kg		23.868	mg/kg	0.00239 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				34	mg/kg	1.579	49.299	mg/kg	0.00493 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				89	mg/kg	1.245	101.696	mg/kg	0.0102 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				56	mg/kg	1.785	91.773	mg/kg	0.00918 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0393 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP206--08092022-0.20

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

Sample details

Sample name:
TP206--08092022-0.20
Moisture content:
7.1%
(wet weight correction)

LoW Code:
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: 7.1% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		59 mg/kg	1.32	72.368 mg/kg	0.00724 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	3.867 mg/kg	0.000387 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.991 mg/kg	0.000499 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		55 mg/kg	1.462	80.386 mg/kg	0.00804 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18 mg/kg	1.126	18.827 mg/kg	0.00188 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	26	mg/kg		24.154	mg/kg	0.00242 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		34	mg/kg	1.579	49.89	mg/kg	0.00499 %	✓	
26		pH			PH		7.8	pH		7.8	pH	7.8 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		99	mg/kg	1.245	114.478	mg/kg	0.0114 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		100	mg/kg	1.785	165.844	mg/kg	0.0166 %	✓	
											Total:	0.0544 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP217--08092022-0.40

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

Sample details

Sample name:
TP217--08092022-0.40
Moisture content:
2.5%
(wet weight correction)

LoW Code:
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: 2.5% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		78 mg/kg	1.32	100.411 mg/kg	0.01 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	4.059 mg/kg	0.000406 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.619 mg/kg	0.000262 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		55 mg/kg	1.462	80.386 mg/kg	0.00804 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	13.173 mg/kg	0.00132 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	15	mg/kg		14.625	mg/kg	0.00146 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		30	mg/kg	1.579	46.2	mg/kg	0.00462 %	✓	
26		pH			PH		8.3	pH		8.3	pH	8.3 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		80	mg/kg	1.245	97.088	mg/kg	0.00971 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		110	mg/kg	1.785	191.461	mg/kg	0.0191 %	✓	
											Total:	0.0559 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP218--08092022-0.15

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

Sample details

Sample name:
TP218--08092022-0.15
Moisture content:
6.6%
(wet weight correction)

LoW Code:
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: 6.6% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		41 mg/kg	1.32	50.561 mg/kg	0.00506 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	2.851 mg/kg	0.000285 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.272 mg/kg	0.000627 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38 mg/kg	1.462	55.539 mg/kg	0.00555 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	21.032 mg/kg	0.0021 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	27	mg/kg		25.218	mg/kg	0.00252 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		25	mg/kg	1.579	36.881	mg/kg	0.00369 %	✓	
26		pH			PH		7	pH		7	pH	7pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		83	mg/kg	1.245	96.493	mg/kg	0.00965 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		68	mg/kg	1.785	113.381	mg/kg	0.0113 %	✓	
											Total:	0.0417 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP219--08092022-0.25

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

Sample details

Sample name:
TP219--08092022-0.25
Moisture content:
5.3%
(wet weight correction)

LoW Code:
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: 5.3% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		51	mg/kg	1.32	63.768	mg/kg	0.00638 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4	mg/kg	2.775	3.68	mg/kg	0.000368 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4	mg/kg	13.43	5.087	mg/kg	0.000509 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		50	mg/kg	1.462	73.078	mg/kg	0.00731 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20	mg/kg	1.126	21.324	mg/kg	0.00213 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	27	mg/kg		25.569	mg/kg	0.00256 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		34	mg/kg	1.579	50.857	mg/kg	0.00509 %	✓	
26		pH			PH		7.7	pH		7.7	pH	7.7 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		110	mg/kg	1.245	129.662	mg/kg	0.013 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		97	mg/kg	1.785	163.985	mg/kg	0.0164 %	✓	
											Total:	0.0546 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP214--08092022-0.50

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

Sample details

Sample name:
TP214--08092022-0.50
Moisture content:
6.8%
(wet weight correction)

LoW Code:
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: 6.8% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		64 mg/kg	1.32	78.755 mg/kg	0.00788 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.7 mg/kg	2.775	4.397 mg/kg	0.00044 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.755 mg/kg	0.000376 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		64 mg/kg	1.462	93.54 mg/kg	0.00935 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	22.036 mg/kg	0.0022 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	17	mg/kg		15.844	mg/kg	0.00158 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		41	mg/kg	1.579	60.356	mg/kg	0.00604 %	✓	
26		pH			PH		7.9	pH		7.9	pH	7.9 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		94	mg/kg	1.245	109.047	mg/kg	0.0109 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		120	mg/kg	1.785	199.655	mg/kg	0.02 %	✓	
											Total:	0.0597 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP223--08092022-0.15

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

Sample details

Sample name:
TP223--08092022-0.15
Moisture content:
5.8%
(wet weight correction)

LoW Code:
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: 5.8% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	22.387 mg/kg	0.00224 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.79 mg/kg	2.775	2.065 mg/kg	0.000207 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.6 mg/kg	13.43	7.591 mg/kg	0.000759 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28 mg/kg	1.462	40.924 mg/kg	0.00409 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	16.969 mg/kg	0.0017 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	25	mg/kg		23.55	mg/kg	0.00236 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		18	mg/kg	1.579	26.782	mg/kg	0.00268 %	✓	
26		pH			PH		7.7	pH		7.7	pH	7.7 pH		
27		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		56	mg/kg	1.245	65.661	mg/kg	0.00657 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		45	mg/kg	1.785	75.674	mg/kg	0.00757 %	✓	
											Total:	0.0291 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

- **boron tribromide/trichloride/trifluoride (combined)** (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , Skin Corr. 1B; H314

- **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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

lead compounds with the exception of those specified elsewhere in this Annex

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
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 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

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

monohydric phenols (CAS Number: P1186)

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

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

EU CLP index number: 023-001-00-8
Description/Comments:
Additional Hazard Statement(s): None.

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

hexachloroethane (EC Number: 200-666-4, CAS Number: 67-72-1)

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: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

2-nitrophenol (EC Number: 201-857-5, CAS Number: 88-75-5)

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; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

bis(2-chloroethoxy)methane (EC Number: 203-920-2, CAS Number: 111-91-1)

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. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

2-methyl naphthalene (EC Number: 202-078-3, CAS Number: 91-57-6)

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 1; H410

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

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: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

dimethyl phthalate (EC Number: 205-011-6, CAS Number: 131-11-3)

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: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

dibenzofuran (EC Number: 205-071-3, CAS Number: 132-64-9)

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; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

4-chlorophenylphenylether (EC Number: 230-281-7, CAS Number: 7005-72-3)

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 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

diethyl phthalate (EC Number: 201-550-6, CAS Number: 84-66-2)

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: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

4-bromophenylphenylether (EC Number: 202-952-4, CAS Number: 101-55-3)

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 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

carbazole (EC Number: 201-696-0, CAS Number: 86-74-8)

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 Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

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

- **1,3-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

- **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

- **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

- **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

- **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

- **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

- **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

- **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

- **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

- **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

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

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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}

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.263.5340.9974 (20 Sep 2022)
HazWasteOnline Database: 2022.273.5362.10003 (03 Oct 2022)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

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)

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

138U3-ANZXL-VPEJM

Job name

22-83966_HWOL_Results

Description/Comments

i2 Lab Reports 22-82372, 22-82408, 22-82414, 22-82420, 22-83964, 22-83965, 22-83966 & 22-85537

Project

191114

Site

Begbroke

Classified by

Name:
Nathan Thompson
Date:
26 Oct 2022 19:07 GMT
Telephone:
07557 345 513

Company:
Hydrock Consultants Ltd
Hawthorn Park
Holdenby Road, Spratton
Northampton
NN6 8LD

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: **CERTIFIED**

Course	Date
Hazardous Waste Classification	22 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS224--08092022-0.10		Non Hazardous		2
2	WS234--08092022-0.10		Non Hazardous		5
3	WS233--08092022-0.50		Non Hazardous		7
4	TP226--06092022-0.20		Non Hazardous		9
5	TP213--06092022-0.20		Non Hazardous		11
6	TP204--06092022-0.20		Non Hazardous		13

Related documents

#	Name	Description
1	22-83966_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job

Report

Created by: Nathan Thompson

Created date: 26 Oct 2022 19:07 GMT

Classification of sample: WS224--08092022-0.10

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

Sample details

Sample name:
WS224--08092022-0.10
Moisture content:
7.8%
(wet weight correction)

LoW Code:
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: 7.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		25 mg/kg	1.32	30.434 mg/kg	0.00304 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.88 mg/kg	2.775	2.252 mg/kg	0.000225 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.6 mg/kg	13.43	7.429 mg/kg	0.000743 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32 mg/kg	1.462	46.77 mg/kg	0.00468 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	15.571 mg/kg	0.00156 %	✓	
18	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				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	23 mg/kg		21.206 mg/kg	0.00212 %	✓	
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		20 mg/kg	1.579	29.126 mg/kg	0.00291 %	✓	
28	pH			PH		8.6 pH		8.6 pH	8.6 pH		
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
34	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]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		64 mg/kg	1.245	73.448 mg/kg	0.00734 %	✓	
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		52 mg/kg	1.785	85.589 mg/kg	0.00856 %	✓	
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
								Total:	0.0331 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS234--08092022-0.10

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

Sample details

Sample name:
WS234--08092022-0.10
Moisture content:
12%
(wet weight correction)

LoW Code:
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: 12% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	18.59 mg/kg	0.00186 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.99 mg/kg	2.775	2.418 mg/kg	0.000242 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.9 mg/kg	13.43	22.455 mg/kg	0.00225 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		37 mg/kg	1.462	54.078 mg/kg	0.00541 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	15.853 mg/kg	0.00159 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				0.21	mg/kg		0.185	mg/kg	0.0000185 %	✓	
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	22	mg/kg		19.36	mg/kg	0.00194 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				23	mg/kg	1.579	31.969	mg/kg	0.0032 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8.3	pH		8.3	pH	8.3 pH		
				PH									
27		phenanthrene				0.36	mg/kg		0.317	mg/kg	0.0000317 %	✓	
			201-581-5	85-01-8									
28		pyrene				0.27	mg/kg		0.238	mg/kg	0.0000238 %	✓	
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				72	mg/kg	1.245	78.865	mg/kg	0.00789 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				51	mg/kg	1.785	80.119	mg/kg	0.00801 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0333 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS233--08092022-0.50

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

Sample details

Sample name:
WS233--08092022-0.50
Moisture content:
8.1%
(wet weight correction)

LoW Code:
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: 8.1% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		24 mg/kg	1.32	29.121 mg/kg	0.00291 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.93 mg/kg	2.775	2.372 mg/kg	0.000237 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38 mg/kg	1.462	55.539 mg/kg	0.00555 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.1 mg/kg	1.126	9.416 mg/kg	0.000942 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				0.27	mg/kg		0.248	mg/kg	0.0000248 %	✓	
			205-912-4	206-44-0									
20		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	10	mg/kg		9.19	mg/kg	0.000919 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				23	mg/kg	1.579	33.386	mg/kg	0.00334 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
27		phenanthrene				0.49	mg/kg		0.45	mg/kg	0.000045 %	✓	
			201-581-5	85-01-8									
28		pyrene				0.32	mg/kg		0.294	mg/kg	0.0000294 %	✓	
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				48	mg/kg	1.245	54.907	mg/kg	0.00549 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				61	mg/kg	1.785	100.076	mg/kg	0.01 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0307 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP226--06092022-0.20

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

Sample details

Sample name:
TP226--06092022-0.20
Moisture content:
6%
(wet weight correction)

LoW Code:
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: 6% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		39 mg/kg	1.32	48.403 mg/kg	0.00484 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	3.131 mg/kg	0.000313 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1 mg/kg	13.43	12.624 mg/kg	0.00126 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43 mg/kg	1.462	62.847 mg/kg	0.00628 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	22.225 mg/kg	0.00222 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		0.23	mg/kg		0.216	mg/kg	0.0000216 %	✓	
20		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	30	mg/kg		28.2	mg/kg	0.00282 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		31	mg/kg	1.579	46.027	mg/kg	0.0046 %	✓	
26		pH			PH		8	pH		8	pH	8pH		
27		phenanthrene		201-581-5	85-01-8		0.41	mg/kg		0.385	mg/kg	0.0000385 %	✓	
28		pyrene		204-927-3	129-00-0		0.3	mg/kg		0.282	mg/kg	0.0000282 %	✓	
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		110	mg/kg	1.245	128.703	mg/kg	0.0129 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		78	mg/kg	1.785	130.89	mg/kg	0.0131 %	✓	
											Total:	0.0493 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP213--06092022-0.20

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

Sample details

Sample name:
TP213--06092022-0.20
Moisture content:
4.3%
(wet weight correction)

LoW Code:
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: 4.3% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		0.32 mg/kg		0.306 mg/kg	0.0000306 %	✓	
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		31 mg/kg	1.32	39.17 mg/kg	0.00392 %	✓	
5		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.94 mg/kg	2.775	2.497 mg/kg	0.00025 %	✓	
11		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.856 mg/kg	0.000386 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		37 mg/kg	1.462	54.078 mg/kg	0.00541 %		
14		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18 mg/kg	1.126	19.395 mg/kg	0.00194 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluoranthene		205-912-4	206-44-0		0.44	mg/kg		0.421	mg/kg	0.0000421 %	✓	
20		fluorene		201-695-5	86-73-7		0.2	mg/kg		0.191	mg/kg	0.0000191 %	✓	
21		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	28	mg/kg		26.796	mg/kg	0.00268 %	✓	
23		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24		naphthalene	601-052-00-2	202-049-5	91-20-3		0.81	mg/kg		0.775	mg/kg	0.0000775 %	✓	
25		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		23	mg/kg	1.579	34.766	mg/kg	0.00348 %	✓	
26		pH			PH		7.9	pH		7.9	pH	7.9 pH		
27		phenanthrene		201-581-5	85-01-8		0.87	mg/kg		0.833	mg/kg	0.0000833 %	✓	
28		pyrene		204-927-3	129-00-0		0.46	mg/kg		0.44	mg/kg	0.000044 %	✓	
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		70	mg/kg	1.245	83.383	mg/kg	0.00834 %	✓	
31		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		62	mg/kg	1.785	105.922	mg/kg	0.0106 %	✓	
											Total:	0.0382 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP204--06092022-0.20

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

Sample details

Sample name:
TP204--06092022-0.20
Moisture content:
5.4%
(wet weight correction)

LoW Code:
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: 5.4% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		0.66 mg/kg		0.624 mg/kg	0.0000624 %	✓	
2	acenaphthylene		205-917-1	208-96-8		2.5 mg/kg		2.365 mg/kg	0.000237 %	✓	
3	anthracene		204-371-1	120-12-7		1.7 mg/kg		1.608 mg/kg	0.000161 %	✓	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		71 mg/kg	1.32	88.681 mg/kg	0.00887 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.8 mg/kg		1.703 mg/kg	0.00017 %	✓	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.98 mg/kg		0.927 mg/kg	0.0000927 %	✓	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.1 mg/kg		1.041 mg/kg	0.000104 %	✓	
8	benzo[ghi]perylene		205-883-8	191-24-2		0.82 mg/kg		0.776 mg/kg	0.0000776 %	✓	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.75 mg/kg		0.709 mg/kg	0.0000709 %	✓	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	3.938 mg/kg	0.000394 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	8.893 mg/kg	0.000889 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		69 mg/kg	1.462	100.847 mg/kg	0.0101 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<**LOD**
15	chrysene	601-048-00-0	205-923-4	218-01-9		1.3 mg/kg		1.23 mg/kg	0.000123 %	✓	
16	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24 mg/kg	1.126	25.562 mg/kg	0.00256 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				4.8	mg/kg		4.541	mg/kg	0.000454 %	✓	
			205-912-4	206-44-0									
20		fluorene				2	mg/kg		1.892	mg/kg	0.000189 %	✓	
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				0.51	mg/kg		0.482	mg/kg	0.0000482 %	✓	
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	46	mg/kg		43.516	mg/kg	0.00435 %	✓	
		082-001-00-6											
23		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
24		naphthalene				1.6	mg/kg		1.514	mg/kg	0.000151 %	✓	
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				44	mg/kg	1.579	65.745	mg/kg	0.00657 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				8	pH		8	pH	8pH		
				PH									
27		phenanthrene				7.4	mg/kg		7	mg/kg	0.0007 %	✓	
			201-581-5	85-01-8									
28		pyrene				4.5	mg/kg		4.257	mg/kg	0.000426 %	✓	
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
30		zinc { zinc oxide }				110	mg/kg	1.245	129.525	mg/kg	0.013 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
31		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
32		vanadium { divanadium pentaoxide; vanadium pentoxide }				100	mg/kg	1.785	168.878	mg/kg	0.0169 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0675 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

- **boron tribromide/trichloride/trifluoride (combined)** (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , Skin Corr. 1B; H314

- **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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

- **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

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

lead compounds with the exception of those specified elsewhere in this Annex

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
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 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

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

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

monohydric phenols (CAS Number: P1186)

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

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

EU CLP index number: 023-001-00-8
Description/Comments:
Additional Hazard Statement(s): None.

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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}

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.263.5340.9974 (20 Sep 2022)
HazWasteOnline Database: 2022.273.5362.10003 (03 Oct 2022)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

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)

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

VJI3I-4K476-2EQU4

Job name

22-85537_HWOL_Results

Description/Comments

i2 Lab Reports 22-82372, 22-82408, 22-82414, 22-82420, 22-83964, 22-83965, 22-83966 & 22-85537

Project

19114

Site

Begbroke

Classified by

Name:
Nathan Thompson
Date:
26 Oct 2022 19:10 GMT
Telephone:
07557 345 513

Company:
Hydrock Consultants Ltd
Hawthorn Park
Holdenby Road, Spratton
Northampton
NN6 8LD

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: **CERTIFIED**

Course	Date
Hazardous Waste Classification	22 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	HP201--14092022-0.10		Non Hazardous		2
2	HP202--14092022-0.10		Non Hazardous		5
3	HP203--14092022-0.10		Non Hazardous		11
4	HP204--14092022-0.10		Non Hazardous		14
5	HP205--14092022-0.10		Non Hazardous		17
6	HP206--14092022-0.10		Non Hazardous		23

Related documents

#	Name	Description
1	22-85537_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Nathan Thompson

Created date: 26 Oct 2022 19:10 GMT

Classification of sample: HP201--14092022-0.10

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

Sample details

Sample name:
HP201--14092022-0.10
Moisture content:
13%
(wet weight correction)

LoW Code:
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: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		0.2 mg/kg		0.174 mg/kg	0.0000174 %	✓	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		25 mg/kg	1.32	28.717 mg/kg	0.00287 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.56 mg/kg		0.487 mg/kg	0.0000487 %	✓	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.51 mg/kg		0.444 mg/kg	0.0000444 %	✓	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.67 mg/kg		0.583 mg/kg	0.0000583 %	✓	
9	benzo[ghi]perylene		205-883-8	191-24-2		0.51 mg/kg		0.444 mg/kg	0.0000444 %	✓	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.27 mg/kg		0.235 mg/kg	0.0000235 %	✓	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	2.656 mg/kg	0.000266 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2 mg/kg	13.43	23.368 mg/kg	0.00234 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30 mg/kg	1.462	43.847 mg/kg	0.00438 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		2 mg/kg	1.923	3.846 mg/kg	0.000385 %		
16	chrysene	601-048-00-0	205-923-4	218-01-9		0.53 mg/kg		0.461 mg/kg	0.0000461 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	20.57	mg/kg	0.00206 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.79	mg/kg		0.687	mg/kg	0.0000687 %	✓	
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.33	mg/kg		0.287	mg/kg	0.0000287 %	✓	
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	38	mg/kg		33.06	mg/kg	0.00331 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				25	mg/kg	1.579	34.354	mg/kg	0.00344 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
29		phenanthrene				0.59	mg/kg		0.513	mg/kg	0.0000513 %	✓	
			201-581-5	85-01-8									
30		pyrene				0.68	mg/kg		0.592	mg/kg	0.0000592 %	✓	
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				130	mg/kg	1.245	140.777	mg/kg	0.0141 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				51	mg/kg	1.785	79.209	mg/kg	0.00792 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.043 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because Not enough metal to create oxidising conditions.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00038%)

Classification of sample: HP202--14092022-0.10

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

Sample details

Sample name:
HP202--14092022-0.10
Moisture content:
11%
(wet weight correction)

LoW Code:
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: 11% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		0.81 mg/kg		0.721 mg/kg	0.0000721 %	✓	
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		30 mg/kg	1.32	35.253 mg/kg	0.00353 %	✓	
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.3 mg/kg		2.047 mg/kg	0.000205 %	✓	
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.8 mg/kg		1.602 mg/kg	0.00016 %	✓	
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2 mg/kg		1.78 mg/kg	0.000178 %	✓	
9		benzo[ghi]perylene		205-883-8	191-24-2		1.6 mg/kg		1.424 mg/kg	0.000142 %	✓	
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		1.5 mg/kg		1.335 mg/kg	0.000133 %	✓	
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	2.964 mg/kg	0.000296 %	✓	
12		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		3.9 mg/kg	13.43	46.616 mg/kg	0.00466 %	✓	
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		39 mg/kg	1.462	57.001 mg/kg	0.0057 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16		chrysene	601-048-00-0	205-923-4	218-01-9		1.7 mg/kg		1.513 mg/kg	0.000151 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		30	mg/kg	1.126	30.061	mg/kg	0.00301 %	✓	
18		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.38	mg/kg		0.338	mg/kg	0.0000338 %	✓	
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
21		fluoranthene		205-912-4	206-44-0		3.2	mg/kg		2.848	mg/kg	0.000285 %	✓	
22		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		indeno[123-cd]pyrene		205-893-2	193-39-5		1.2	mg/kg		1.068	mg/kg	0.000107 %	✓	
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	50	mg/kg		44.5	mg/kg	0.00445 %	✓	
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
26		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.0001	mg/kg		<0.0001	mg/kg	<0.00000001 %		<LOD
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		27	mg/kg	1.579	37.955	mg/kg	0.0038 %	✓	
28		pH			PH		7.1	pH		7.1	pH	7.1 pH		
29		phenanthrene		201-581-5	85-01-8		2.6	mg/kg		2.314	mg/kg	0.000231 %	✓	
30		phenol	604-001-00-2	203-632-7	108-95-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
31		pyrene		204-927-3	129-00-0		3.1	mg/kg		2.759	mg/kg	0.000276 %	✓	
32		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
33		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
34		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
35		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
36		TPH (C6 to C40) petroleum group			TPH		63	mg/kg		56.07	mg/kg	0.00561 %	✓	
37		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
38		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
39		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]		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
40		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		260	mg/kg	1.245	288.027	mg/kg	0.0288 %	✓	
41		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<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									
42		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
43		1,2-dichloroethane; ethylene dichloride											
		602-012-00-7	203-458-1	107-06-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
44		monohydric phenols											
				P1186		1.3	mg/kg		1.3	mg/kg	0.00013 %		
45		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane											
		603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
46		vanadium { divanadium pentaoxide; vanadium pentoxide }											
		023-001-00-8	215-239-8	1314-62-1		55	mg/kg	1.785	87.385	mg/kg	0.00874 %	✓	
47		1,1,1-trichloroethane; methyl chloroform											
		602-013-00-2	200-756-3	71-55-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
48		1,1,2,2-tetrachloroethane											
		602-015-00-3	201-197-8	79-34-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
49		1,1,2-trichloroethane											
		602-014-00-8	201-166-9	79-00-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
50		1,1-dichloroethylene; vinylidene chloride											
		602-025-00-8	200-864-0	75-35-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
51		1,1-dichloroethane											
		602-011-00-1	200-863-5	75-34-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
52		1,1-dichloropropene											
		602-031-00-0	209-253-3	563-58-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
53		1,2,3-trichlorobenzene											
			201-757-1	87-61-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
54		1,2,4-trimethylbenzene											
		601-043-00-3	202-436-9	95-63-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
55		1,2-dibromoethane											
		602-010-00-6	203-444-5	106-93-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
56		1,2-dichlorobenzene; o-dichlorobenzene											
		602-034-00-7	202-425-9	95-50-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
57		1,2-dichloropropane; propylene dichloride											
		602-020-00-0	201-152-2	78-87-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
58		1,3-dichlorbenzene											
		602-067-00-7	208-792-1	541-73-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
59		1,3-dichloropropane											
			205-531-3	142-28-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
60		1,4-dichlorobenzene; p-dichlorobenzene											
		602-035-00-2	203-400-5	106-46-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
61		2,2-dichloropropane											
			209-832-0	594-20-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
62		bromodichloromethane											
			200-856-7	75-27-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
63		bromomethane; methylbromide											
		602-002-00-2	200-813-2	74-83-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
64		bromobenzene											
		602-060-00-9	203-623-8	108-86-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
65		n-butylbenzene											
			203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
66		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]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
67		chlorobenzene											
		602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
68		chloroethane											
		602-009-00-0	200-830-5	75-00-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**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							
69		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
70		chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-001-00-7	200-817-4	74-87-3							
71		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
72		1,2-dibromo-3-chloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8							
73		dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
74		hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3							
75		4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6							
76		sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8							
77		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
78		trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6							
79		tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6							
80		bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
81		1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
82		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6							
83		trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4							
84		mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
85		aniline				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3							
86		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
87		bis(2-chloroethyl) ether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4							
88		hexachloroethane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1							
89		nitrobenzene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3							
90		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1							
91		2-nitrophenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5							
92		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
93		bis(2-chloroethoxy)methane				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1							

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
94		2,4-dichlorophenol	604-011-00-7	204-429-6	120-83-2		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
95		4-chloroaniline	612-137-00-9	203-401-0	106-47-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
96		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6	59-50-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
97		2,4,6-trichlorophenol	604-018-00-5	201-795-9	88-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
98		2,4,5-trichlorophenol	604-017-00-X	202-467-8	95-95-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
99		2-methyl naphthalene		202-078-3	91-57-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
100		2-chloronaphthalene		202-079-9	91-58-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
101		dimethyl phthalate		205-011-6	131-11-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
102		2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
103		2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
104		dibenzofuran		205-071-3	132-64-9		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
105		4-chlorophenylphenylether		230-281-7	7005-72-3		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
106		diethyl phthalate		201-550-6	84-66-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
107		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
108		azobenzene	611-001-00-6	203-102-5	103-33-3		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
109		4-bromophenylphenylether		202-952-4	101-55-3		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
110		carbazole		201-696-0	86-74-8		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
111		dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
112		anthraquinone	606-151-00-4	201-549-0	84-65-1		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
113		BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
114		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]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
115		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]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
116		cumene; [1] propylbenzene [2]	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
											Total:	0.0721 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
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 Product Identified, unlikely to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00561%)

Classification of sample: HP203--14092022-0.10

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

Sample details

Sample name:
HP203--14092022-0.10
Moisture content:
13%
(wet weight correction)

LoW Code:
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: 13% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		23	mg/kg	1.32	26.42	mg/kg	0.00264 %	✓	
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.18	mg/kg		0.157	mg/kg	0.0000157 %	✓	
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.24	mg/kg		0.209	mg/kg	0.0000209 %	✓	
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.27	mg/kg		0.235	mg/kg	0.0000235 %	✓	
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.14	mg/kg		0.122	mg/kg	0.0000122 %	✓	
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1	mg/kg	2.775	2.656	mg/kg	0.000266 %	✓	
12		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.4	mg/kg	13.43	16.358	mg/kg	0.00164 %	✓	
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.2	mg/kg	1.285	1.342	mg/kg	0.000104 %	✓	
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36	mg/kg	1.462	52.616	mg/kg	0.00526 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
16		chrysene	601-048-00-0	205-923-4	218-01-9		0.23	mg/kg		0.2	mg/kg	0.00002 %	✓	

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23	mg/kg	1.126	22.529	mg/kg	0.00225 %	✓	
18	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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
21	fluoranthene		205-912-4	206-44-0		0.27	mg/kg		0.235	mg/kg	0.0000235 %	✓	
22	fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	44	mg/kg		38.28	mg/kg	0.00383 %	✓	
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		27	mg/kg	1.579	37.102	mg/kg	0.00371 %	✓	
28	pH			PH		7.7	pH		7.7	pH	7.7 pH		
29	phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30	pyrene		204-927-3	129-00-0		0.25	mg/kg		0.218	mg/kg	0.0000218 %	✓	
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
34	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]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		130	mg/kg	1.245	140.777	mg/kg	0.0141 %	✓	
36	monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
37	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
38	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		54	mg/kg	1.785	83.868	mg/kg	0.00839 %	✓	
										Total:	0.0442 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP204--14092022-0.10

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

Sample details

Sample name:
HP204--14092022-0.10
Moisture content:
8.9%
(wet weight correction)

LoW Code:
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: 8.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	21.651 mg/kg	0.00217 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.25 mg/kg		0.228 mg/kg	0.0000228 %	✓	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.98 mg/kg	2.775	2.478 mg/kg	0.000248 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.3 mg/kg	13.43	28.14 mg/kg	0.00281 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30 mg/kg	1.462	43.847 mg/kg	0.00438 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		0.25 mg/kg		0.228 mg/kg	0.0000228 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	21.539	mg/kg	0.00215 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.28	mg/kg		0.255	mg/kg	0.0000255 %	✓	
			205-912-4	206-44-0									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	30	mg/kg		27.33	mg/kg	0.00273 %	✓	
		082-001-00-6											
25		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				26	mg/kg	1.579	37.412	mg/kg	0.00374 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		pyrene				0.25	mg/kg		0.228	mg/kg	0.0000228 %	✓	
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
32		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
34		xylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
35		zinc { zinc oxide }				110	mg/kg	1.245	124.733	mg/kg	0.0125 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				44	mg/kg	1.785	71.557	mg/kg	0.00716 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0399 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP205--14092022-0.10

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

Sample details

Sample name:
HP205--14092022-0.10
Moisture content:
13%
(wet weight correction)

LoW Code:
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: 13% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		21 mg/kg	1.32	24.122 mg/kg	0.00241 %	✓	
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.85 mg/kg	2.775	2.052 mg/kg	0.000205 %	✓	
12		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		3.9 mg/kg	13.43	45.568 mg/kg	0.00456 %	✓	
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26 mg/kg	1.462	38 mg/kg	0.0038 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22	mg/kg	1.126	21.55	mg/kg	0.00215 %	✓	
18		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
21		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	47	mg/kg		40.89	mg/kg	0.00409 %	✓	
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
26		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.0001	mg/kg		<0.0001	mg/kg	<0.00000001 %		<LOD
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		23	mg/kg	1.579	31.606	mg/kg	0.00316 %	✓	
28		pH			PH		7.5	pH		7.5	pH	7.5 pH		
29		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		phenol	604-001-00-2	203-632-7	108-95-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
31		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
33		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
34		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
35		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
36		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
37		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
38		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
39		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]		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
40		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		150	mg/kg	1.245	162.435	mg/kg	0.0162 %	✓	
41		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<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									
42		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
43		1,2-dichloroethane; ethylene dichloride											
		602-012-00-7	203-458-1	107-06-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
44		monohydric phenols											
				P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
45		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane											
		603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
46		vanadium { divanadium pentaoxide; vanadium pentoxide }											
		023-001-00-8	215-239-8	1314-62-1		42	mg/kg	1.785	65.231	mg/kg	0.00652 %	✓	
47		1,1,1-trichloroethane; methyl chloroform											
		602-013-00-2	200-756-3	71-55-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
48		1,1,2,2-tetrachloroethane											
		602-015-00-3	201-197-8	79-34-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
49		1,1,2-trichloroethane											
		602-014-00-8	201-166-9	79-00-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
50		1,1-dichloroethylene; vinylidene chloride											
		602-025-00-8	200-864-0	75-35-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
51		1,1-dichloroethane											
		602-011-00-1	200-863-5	75-34-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
52		1,1-dichloropropene											
		602-031-00-0	209-253-3	563-58-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
53		1,2,3-trichlorobenzene											
			201-757-1	87-61-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
54		1,2,4-trimethylbenzene											
		601-043-00-3	202-436-9	95-63-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
55		1,2-dibromoethane											
		602-010-00-6	203-444-5	106-93-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
56		1,2-dichlorobenzene; o-dichlorobenzene											
		602-034-00-7	202-425-9	95-50-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
57		1,2-dichloropropane; propylene dichloride											
		602-020-00-0	201-152-2	78-87-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
58		1,3-dichlorbenzene											
		602-067-00-7	208-792-1	541-73-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
59		1,3-dichloropropane											
			205-531-3	142-28-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
60		1,4-dichlorobenzene; p-dichlorobenzene											
		602-035-00-2	203-400-5	106-46-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
61		2,2-dichloropropane											
			209-832-0	594-20-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
62		bromodichloromethane											
			200-856-7	75-27-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
63		bromomethane; methylbromide											
		602-002-00-2	200-813-2	74-83-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
64		bromobenzene											
		602-060-00-9	203-623-8	108-86-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
65		n-butylbenzene											
			203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
66		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]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
67		chlorobenzene											
		602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
68		chloroethane											
		602-009-00-0	200-830-5	75-00-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<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									
69		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
70		chloromethane; methyl chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
71		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
72		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
73		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
74		hexachlorobutadiene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			201-765-5	87-68-3									
75		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
76		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
77		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
78		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
79		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
80		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
81		1,2,4-trichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
82		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
83		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
84		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
85		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
86		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
87		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
88		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			200-666-4	67-72-1									
89		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
90		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
91		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-857-5	88-75-5									
92		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
93		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									

#		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									
94		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
95		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
96		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
97		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
98		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
99		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
100		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
101		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
102		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
103		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
104		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
105		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			230-281-7	7005-72-3									
106		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
107		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
108		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
109		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
110		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
111		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
112		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
113		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
114		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		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]									
115		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<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]									
116		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
										Total:	0.0457 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP206--14092022-0.10

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

Sample details

Sample name:
HP206--14092022-0.10
Moisture content:
11%
(wet weight correction)

LoW Code:
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: 11% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		32 mg/kg	1.32	37.603 mg/kg	0.00376 %	✓	
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.38 mg/kg		0.338 mg/kg	0.0000338 %	✓	
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.37 mg/kg		0.329 mg/kg	0.0000329 %	✓	
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.48 mg/kg		0.427 mg/kg	0.0000427 %	✓	
9		benzo[ghi]perylene		205-883-8	191-24-2		0.33 mg/kg		0.294 mg/kg	0.0000294 %	✓	
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.16 mg/kg		0.142 mg/kg	0.0000142 %	✓	
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	2.717 mg/kg	0.000272 %	✓	
12		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.4 mg/kg	13.43	28.686 mg/kg	0.00287 %	✓	
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31 mg/kg	1.462	45.308 mg/kg	0.00453 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
16		chrysene	601-048-00-0	205-923-4	218-01-9		0.33 mg/kg		0.294 mg/kg	0.0000294 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25	mg/kg	1.126	25.051	mg/kg	0.00251 %	✓	
18		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				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
21		fluoranthene		205-912-4	206-44-0		0.51	mg/kg		0.454	mg/kg	0.0000454 %	✓	
22		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		indeno[123-cd]pyrene		205-893-2	193-39-5		0.23	mg/kg		0.205	mg/kg	0.0000205 %	✓	
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	44	mg/kg		39.16	mg/kg	0.00392 %	✓	
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
26		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		27	mg/kg	1.579	37.955	mg/kg	0.0038 %	✓	
28		pH			PH		7.5	pH		7.5	pH	7.5 pH		
29		phenanthrene		201-581-5	85-01-8		0.28	mg/kg		0.249	mg/kg	0.0000249 %	✓	
30		pyrene		204-927-3	129-00-0		0.46	mg/kg		0.409	mg/kg	0.0000409 %	✓	
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
32		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
33		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
34		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]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
35		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		130	mg/kg	1.245	144.013	mg/kg	0.0144 %	✓	
36		monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
38		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		51	mg/kg	1.785	81.03	mg/kg	0.0081 %	✓	
											Total:	0.0463 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
	This determinand is defined in the EU CLP Table 3
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

- **boron tribromide/trichloride/trifluoride (combined)** (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , Skin Corr. 1B; H314

- **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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

- **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

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

lead compounds with the exception of those specified elsewhere in this Annex

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
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 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

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

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

monohydric phenols (CAS Number: P1186)

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

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

EU CLP index number: 023-001-00-8
Description/Comments:
Additional Hazard Statement(s): None.

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

1,3-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

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

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

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

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

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

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

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

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

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

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

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

hexachloroethane (EC Number: 200-666-4, CAS Number: 67-72-1)

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: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

2-nitrophenol (EC Number: 201-857-5, CAS Number: 88-75-5)

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; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

bis(2-chloroethoxy)methane (EC Number: 203-920-2, CAS Number: 111-91-1)

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. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

2-methyl naphthalene (EC Number: 202-078-3, CAS Number: 91-57-6)

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 1; H410

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

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: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

dimethyl phthalate (EC Number: 205-011-6, CAS Number: 131-11-3)

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: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

dibenzofuran (EC Number: 205-071-3, CAS Number: 132-64-9)

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; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

4-chlorophenylphenylether (EC Number: 230-281-7, CAS Number: 7005-72-3)

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 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

diethyl phthalate (EC Number: 201-550-6, CAS Number: 84-66-2)

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: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

4-bromophenylphenylether (EC Number: 202-952-4, CAS Number: 101-55-3)

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 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

carbazole (EC Number: 201-696-0, CAS Number: 86-74-8)

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 Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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}

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.263.5340.9974 (20 Sep 2022)
HazWasteOnline Database: 2022.273.5362.10003 (03 Oct 2022)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

WAC Data

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Analytical Report Number : 22-85543

Project / Site name:	Begbroke	**Samples received on:**	21/09/2022
Your job number:	19114	**Samples instructed on/ Analysis started on:**	21/09/2022
Your order number:	PO19941	**Analysis completed by:**	28/09/2022
Report Issue Number:	1	**Report issued on:**	28/09/2022
Samples Analysed:	10:1 WAC sample		

Signed: [redacted]

Izabela Wójcik
Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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

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Waste Acceptance Criteria Analytical Results

Report No:	**22-85543**						
					Client:	**HYDROCK**	
Location	**Begbroke**						
Lab Reference (Sample Number)	2432733 / 2432734				**Landfill Waste Acceptance Criteria Limits**		
Sampling Date	19/09/2022				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	HP201						
Depth (m)	0.10						
Solid Waste Analysis							
TOC (%)**	3.5				3%	5%	6%
Loss on Ignition (%) **	8.1				--	--	10%
BTEX (µg/kg) **	< 10				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg) EH_1D_CU_AL	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	5.22				100	--	--
pH (units)**	8.0				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	1.7				--	To be evaluated	To be evaluated
Eluate Analysis (BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1 mg/l			10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0114			0.0979	0.5	2	25
Barium *	0.0131			0.112	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0023			0.019	0.5	10	70
Copper *	0.0054			0.046	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0034			0.0297	0.5	10	30
Nickel *	0.0082			0.071	0.4	10	40
Lead *	0.0042			0.036	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.015			0.13	4	50	200
Chloride *	0.73			6.3	800	15000	25000
Fluoride	0.13			1.2	10	150	500
Sulphate *	3.7			32	1000	20000	50000
TDS*	110			980	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	21.0			180	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.80						
Dry Matter (%)	87						
Moisture (%)	13						

Results are expressed on a dry weight basis, after correction for moisture content where applicable.
*= UKAS accredited (liquid eluate analysis only)
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation
** = MCERTS accredited

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Analytical Report Number : 22-85543
Project / Site name: Begbroke

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2432733	HP201	None Supplied	0.1	Brown loam and sand with gravel and vegetation.

Analytical Report Number : 22-85543
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis
BS EN 12457-2 (10:1) Leachate Prep	10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-2.	L043-PL	W
Acid neutralisation capacity of soil	Determination of acid neutralisation capacity by addition of acid or alkali followed by electronic probe.	In-house method based on Guidance an Sampling and Testing of Wastes to Meet Landfill Waste Acceptance""	L046-PL	W
Loss on ignition of soil @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace.	In house method.	L047-PL	D
Mineral Oil (Soil) C10 - C40	Determination of mineral oil fraction extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L076-PL	D
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W
Speciated WAC-17 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270. MCERTS accredited except Coronene.	L064-PL	D
PCB's By GC-MS in soil	Determination of PCB by extraction with acetone and hexane followed by GC-MS.	In-house method based on USEPA 8082	L027-PL	D
pH at 20oC in soil	Determination of pH in soil by addition of water followed by electrometric measurement.	In house method.	L005-PL	W
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D
BTEX in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W
Total BTEX in soil (Poland)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073-PL	W
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil""	L039-PL	W
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260.	L082-PL	W
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W
Sulphate 10:1 WAC	Determination of sulphate in leachate by ICP-OES	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L039-PL	W

Analytical Report Number : 22-85543
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by EC probe using a factor of 0.6.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031	W
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W
Dissolved organic carbon 10:1 WAC	Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Accreditation Status
NONE
NONE
MCERTS
NONE
NONE
MCERTS
MCERTS
MCERTS
NONE
MCERTS
MCERTS
MCERTS
ISO 17025
ISO 17025
ISO 17025
ISO 17025

Accreditation Status
ISO 17025
ISO 17025
NONE

r a moisture

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Analytical Report Number : 22-82374

Project / Site name:	Begbroke	**Samples received on:**	06/09/2022
Your job number:	19114	**Samples instructed on/ Analysis started on:**	06/09/2022
Your order number:	PO19941	**Analysis completed by:**	13/09/2022
Report Issue Number:	1	**Report issued on:**	13/09/2022
Samples Analysed:	10:1 WAC sample		

Signed: [redacted]

Anna Goc
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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Waste Acceptance Criteria Analytical Results

Report No:	**22-82374**						
					Client:	**HYDROCK**	
Location	**Begbroke**						
Lab Reference (Sample Number)	2414915 / 2414916				**Landfill Waste Acceptance Criteria Limits**		
Sampling Date	25/08/2022				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	HP208						
Depth (m)	0.80						
Solid Waste Analysis							
TOC (%)**	2.9				3%	5%	6%
Loss on Ignition (%) **	5.7				--	--	10%
BTEX (µg/kg) **	< 10				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg) EH_1D_CU_AL	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85				100	--	--
pH (units)**	7.7				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	2.2				--	To be evaluated	To be evaluated
Eluate Analysis (BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1 mg/l			10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0067			0.0526	0.5	2	25
Barium *	0.0130			0.103	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0009			0.0074	0.5	10	70
Copper *	0.011			0.084	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0057			0.0451	0.5	10	30
Nickel *	0.0042			0.033	0.4	10	40
Lead *	0.0031			0.024	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.013			0.10	4	50	200
Chloride *	1.1			8.3	800	15000	25000
Fluoride	0.23			1.8	10	150	500
Sulphate *	55			440	1000	20000	50000
TDS*	130			1100	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	6.94			54.6	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.30						
Dry Matter (%)	83						
Moisture (%)	17						

Results are expressed on a dry weight basis, after correction for moisture content where applicable.
*= UKAS accredited (liquid eluate analysis only)
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation
** = MCERTS accredited

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Analytical Report Number : 22-82374
Project / Site name: Begbroke

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2414915	HP208	None Supplied	0.8	Brown loam and clay with gravel and vegetation.

Analytical Report Number : 22-82374
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BS EN 12457-2 (10:1) Leachate Prep	10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-2.	L043-PL	W	NONE
Acid neutralisation capacity of soil	Determination of acid neutralisation capacity by addition of acid or alkali followed by electronic probe.	In-house method based on Guidance an Sampling and Testing of Wastes to Meet Landfill Waste Acceptance""	L046-PL	W	NONE
Loss on ignition of soil @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace.	In house method.	L047-PL	D	MCERTS
Mineral Oil (Soil) C10 - C40	Determination of mineral oil fraction extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L076-PL	D	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Speciated WAC-17 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270. MCERTS accredited except Coronene.	L064-PL	D	MCERTS
PCB's By GC-MS in soil	Determination of PCB by extraction with acetone and hexane followed by GC-MS.	In-house method based on USEPA 8082	L027-PL	D	MCERTS
pH at 20oC in soil	Determination of pH in soil by addition of water followed by electrometric measurement.	In house method.	L005-PL	W	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Total BTEX in soil (Poland)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073-PL	W	MCERTS
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260.	L082-PL	W	ISO 17025
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Sulphate 10:1 WAC	Determination of sulphate in leachate by ICP-OES	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by EC probe using a factor of 0.6.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031	W	ISO 17025

Analytical Report Number : 22-82374
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Dissolved organic carbon 10:1 WAC	Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

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Analytical Report Number : 22-82425

Project / Site name:	Begbroke	**Samples received on:**	06/09/2022
Your job number:	19144	**Samples instructed on/ Analysis started on:**	06/09/2022
Your order number:	PO19941	**Analysis completed by:**	13/09/2022
Report Issue Number:	1	**Report issued on:**	13/09/2022
Samples Analysed:	2 10:1 WAC samples		

Signed:

Anna Goc
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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Waste Acceptance Criteria Analytical Results

Report No:	**22-82425**						
					Client:	**HYDROCK**	
Location	**Begbroke**						
Lab Reference (Sample Number)	2415250 / 2415251				**Landfill Waste Acceptance Criteria Limits**		
Sampling Date	01/09/2022				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	WS250						
Depth (m)	0.20						
Solid Waste Analysis							
TOC (%)**	1.9				3%	5%	6%
Loss on Ignition (%) **	4.6				--	--	10%
BTEX (µg/kg) **	< 10				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg) EH_1D_CU_AL	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85				100	--	--
pH (units)**	7.6				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	1.6				--	To be evaluated	To be evaluated
Eluate Analysis (BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1 mg/l			10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	< 0.0010			< 0.0100	0.5	2	25
Barium *	0.0069			0.0633	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0016			0.014	0.5	10	70
Copper *	0.018			0.16	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0013			0.0120	0.5	10	30
Nickel *	0.0052			0.048	0.4	10	40
Lead *	0.0052			0.048	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0066			0.060	4	50	200
Chloride *	1.3			12	800	15000	25000
Fluoride	0.66			6.0	10	150	500
Sulphate *	2.7			25	1000	20000	50000
TDS*	61			560	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	10.9			99.4	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.80						
Dry Matter (%)	94						
Moisture (%)	6.2						

Results are expressed on a dry weight basis, after correction for moisture content where applicable.
*= UKAS accredited (liquid eluate analysis only)
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** = MCERTS accredited

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

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Waste Acceptance Criteria Analytical Results

Report No:	**22-82425**						
					Client:	**HYDROCK**	
Location	**Begbroke**						
Lab Reference (Sample Number)	2415252 / 2415253				**Landfill Waste Acceptance Criteria Limits**		
Sampling Date	02/09/2022				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	WS245						
Depth (m)	0.50						
Solid Waste Analysis							
TOC (%)**	0.1				3%	5%	6%
Loss on Ignition (%) **	1.3				--	--	10%
BTEX (µg/kg) **	< 10				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg) EH_1D_CU_AL	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85				100	--	--
pH (units)**	8.1				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	1.6				--	To be evaluated	To be evaluated
Eluate Analysis (BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1 mg/l			10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	< 0.0010			< 0.0100	0.5	2	25
Barium *	0.0044			0.0383	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	< 0.0004			< 0.0040	0.5	10	70
Copper *	0.0015			0.013	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0009			0.0075	0.5	10	30
Nickel *	0.0038			0.033	0.4	10	40
Lead *	0.0020			0.017	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0050			0.044	4	50	200
Chloride *	0.83			7.2	800	15000	25000
Fluoride	1.1			9.5	10	150	500
Sulphate *	2.1			18	1000	20000	50000
TDS*	43			380	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	6.76			58.8	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.80						
Dry Matter (%)	90						
Moisture (%)	9.9						

Results are expressed on a dry weight basis, after correction for moisture content where applicable.
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Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
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Analytical Report Number : 22-82425
Project / Site name: Begbroke

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2415250	WS250	None Supplied	0.2	Brown sand with fibrous material and gravel
2415252	WS245	None Supplied	0.5	Brown clay and loam with gravel.

Analytical Report Number : 22-82425
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BS EN 12457-2 (10:1) Leachate Prep	10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-2.	L043-PL	W	NONE
Acid neutralisation capacity of soil	Determination of acid neutralisation capacity by addition of acid or alkali followed by electronic probe.	In-house method based on Guidance an Sampling and Testing of Wastes to Meet Landfill Waste Acceptance""	L046-PL	W	NONE
Loss on ignition of soil @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace.	In house method.	L047-PL	D	MCERTS
Mineral Oil (Soil) C10 - C40	Determination of mineral oil fraction extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L076-PL	D	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Speciated WAC-17 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270. MCERTS accredited except Coronene.	L064-PL	D	MCERTS
PCB's By GC-MS in soil	Determination of PCB by extraction with acetone and hexane followed by GC-MS.	In-house method based on USEPA 8082	L027-PL	D	MCERTS
pH at 20oC in soil	Determination of pH in soil by addition of water followed by electrometric measurement.	In house method.	L005-PL	W	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Total BTEX in soil (Poland)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073-PL	W	MCERTS
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260.	L082-PL	W	ISO 17025
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Sulphate 10:1 WAC	Determination of sulphate in leachate by ICP-OES	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by EC probe using a factor of 0.6.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031	W	ISO 17025

Analytical Report Number : 22-82425
Project / Site name: Begbroke

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Dissolved organic carbon 10:1 WAC	Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total