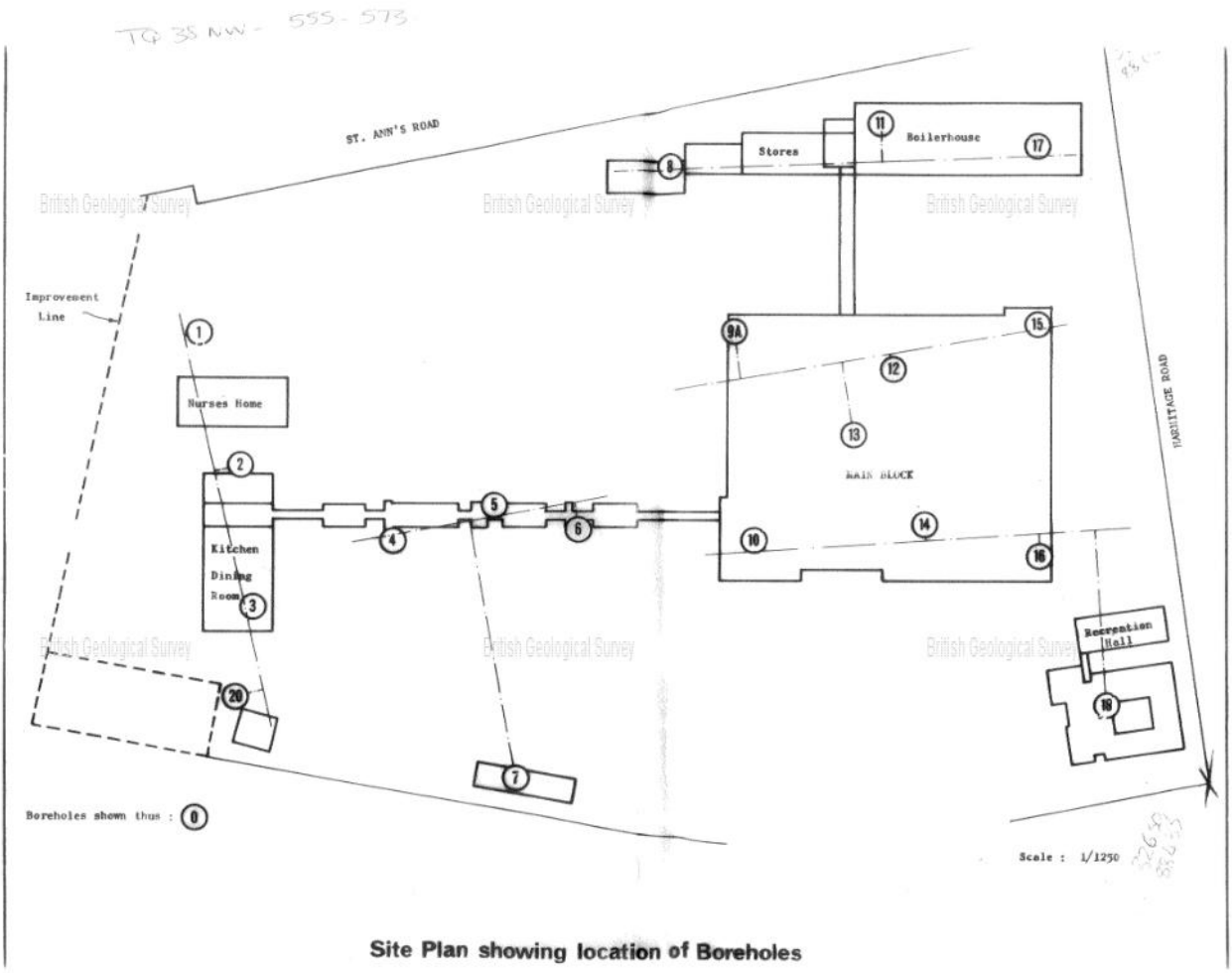
British Geological Survey

Version 2.0.6.6

BGS ID: 846347 : BGS Reference: TQ38NW573
British National Grid (27700) : 532400,188550

Report an issue with this borehole



Site Plan showing location of Boreholes

APPENDIX 4

- Soil Chemistry
- Laboratory Analysis Certificates

C Oliveira
Merebrook
First Floor
1 Leonard Place
Westerham Road
Keston
BR2 6HQ

t: 01689 889980
f: 01689 889981
e: coliveira@idom.com

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

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 22-48037

Project / Site name:	St. Annes	**Samples received on:**	24/03/2022
Your job number:		**Samples instructed on/ Analysis started on:**	28/03/2022
Your order number:	21-2-FDO-LABS	**Analysis completed by:**	01/04/2022
Report Issue Number:	1	**Report issued on:**	01/04/2022
Samples Analysed:	1 bulk sample - 31 soil samples		

Izabela Wójcik

Signed:

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.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217770	2217771	2217772	2217773	2217774
Sample Reference				TP01	TP02	TP03	TP03	TP04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.40	0.60	1.20	0.50
Date Sampled				21/03/2022	21/03/2022	21/03/2022	21/03/2022	21/03/2022
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	39
Moisture Content	%	0.01	NONE	13	11	9.8	14	7.3
Total mass of sample received	kg	0.001	NONE	1.2	1.2	1.2	1.2	1.2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	Not-detected	-	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A			MDB		MDB
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.5	9.4	8.1	7.7	9.5
Total 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	0.066	0.21	0.039	0.066	0.23
Sulphide	mg/kg	1	MCERTS	6.3	23	7.9	< 1.0	< 1.0
Organic Matter (automated)	%	0.1	MCERTS	3.2	2.1	6.4	0.6	0.3
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	0.6	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	2.1	< 0.05	8.2	0.24	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	1.5	< 0.05	2.5	0.24	0.29
Fluorene	mg/kg	0.05	MCERTS	2.9	< 0.05	7.1	0.41	0.23
Phenanthrene	mg/kg	0.05	MCERTS	29	3.3	73	4.1	0.6
Anthracene	mg/kg	0.05	MCERTS	6.6	0.72	24	0.98	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	33	5.4	120	4.1	0.54
Pyrene	mg/kg	0.05	MCERTS	25	4.6	98	3.3	0.43
Benzo(a)anthracene	mg/kg	0.05	MCERTS	16	3.7	53	2	< 0.05
Chrysene	mg/kg	0.05	MCERTS	11	2.4	42	1.4	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	12	2.7	49	1.4	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	7.8	2.1	15	0.92	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	13	3.1	42	1.6	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	6.1	1.6	19	0.66	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	1.8	0.48	6.4	0.21	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	6.7	1.8	18	0.75	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	174	32	578	22.2	2.09
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	17	19	26	15	50
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	4.1	2.1	1.6	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	39	34	23	51	29
Copper (aqua regia extractable)	mg/kg	1	MCERTS	96	86	65	28	24
Lead (aqua regia extractable)	mg/kg	1	MCERTS	340	320	390	26	25
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1.7	0.7	6.6	0.6	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	24	24	34	41	54
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	230	190	1200	120	99
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217770	2217771	2217772	2217773	2217774
Sample Reference				TP01	TP02	TP03	TP03	TP04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.40	0.60	1.20	0.50
Date Sampled				21/03/2022	21/03/2022	21/03/2022	21/03/2022	21/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	1.2	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	7.5	5.6	3.4	< 2.0	3
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	37	22	< 8.0	< 8.0	9.6
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	68	86	19	< 8.0	24
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	110	110	29	< 10	37
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	1.5	< 1.0	2	< 1.0	1.6
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	12	4.1	30	5.9	5.9
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	110	35	350	16	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	140	110	470	20	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	250	150	850	43	25
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
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

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217770	2217771	2217772	2217773	2217774
Sample Reference				TP01	TP02	TP03	TP03	TP04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.40	0.60	1.20	0.50
Date Sampled				21/03/2022	21/03/2022	21/03/2022	21/03/2022	21/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
PCB Congener 52	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
PCB Congener 101	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
PCB Congener 118	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
PCB Congener 138	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
PCB Congener 153	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
PCB Congener 180	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001

Total PCBs by GC-MS

Total PCBs	mg/kg	0.007	MCERTS	-	-	-	-	< 0.007

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217775	2217776	2217777	2217778	2217779
Sample Reference				TP04	TP05	TP05	HP01	HP01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.50	0.30	0.70	0.20	0.80
Date Sampled				21/03/2022	21/03/2022	21/03/2022	22/03/2022	23/03/2022
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	53	43	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	18	3.1	5.1	17	18
Total mass of sample received	kg	0.001	NONE	1.2	1.2	1.2	1.2	1.2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	Not-detected	-	Not-detected	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A		MDB		MDB	
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.6	9	8.2	7.2	7.8
Total 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	0.13	0.033	0.1	0.018	0.033
Sulphide	mg/kg	1	MCERTS	< 1.0	89	69	2.3	< 1.0
Organic Matter (automated)	%	0.1	MCERTS	0.4	1.7	3.6	3.7	0.7
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	0.26	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.33	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.38	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	3.1	1.2	1.5	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	1	0.55	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	3.9	5.4	2.3	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	3.3	5.5	2	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	2	3.4	1	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	1.6	2.5	0.87	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	1.8	3.3	0.95	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.84	2.2	0.43	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	1.9	3.1	0.9	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.89	1.7	0.43	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.29	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.93	1.9	0.43	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	22.2	31	10.8	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	16	12	13	16	15
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.7	0.6	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	53	11	17	34	54
Copper (aqua regia extractable)	mg/kg	1	MCERTS	29	12	23	52	26
Lead (aqua regia extractable)	mg/kg	1	MCERTS	16	40	60	200	22
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	1.1	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	42	10	15	21	43
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	72	70	100	140	69
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217775	2217776	2217777	2217778	2217779
Sample Reference				TP04	TP05	TP05	HP01	HP01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.50	0.30	0.70	0.20	0.80
Date Sampled				21/03/2022	21/03/2022	21/03/2022	22/03/2022	23/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	3.7	3.6	2.5	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	12	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	51	110	24	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	< 10	63	120	34	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	3.9	3.8	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	30	44	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	130	290	18	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	< 10	160	340	25	< 10
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	-	-	-	-
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	-	-	-	-

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217775	2217776	2217777	2217778	2217779
Sample Reference				TP04	TP05	TP05	HP01	HP01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.50	0.30	0.70	0.20	0.80
Date Sampled				21/03/2022	21/03/2022	21/03/2022	22/03/2022	23/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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	-	-	-	-

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
PCB Congener 52	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
PCB Congener 101	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
PCB Congener 118	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
PCB Congener 138	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
PCB Congener 153	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-
PCB Congener 180	mg/kg	0.001	MCERTS	< 0.001	-	-	-	-

Total PCBs by GC-MS

Total PCBs	mg/kg	0.007	MCERTS	< 0.007	-	-	-	-

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

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Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217780	2217781	2217782	2217783	2217784
Sample Reference				HP02	HP02	HP03	HP04	HP05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.45	1.00	0.50	0.30	0.20
Date Sampled				23/03/2022	23/03/2022	23/03/2022	23/03/2022	23/03/2022
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	9.9	< 0.1
Moisture Content	%	0.01	NONE	18	18	14	16	14
Total mass of sample received	kg	0.001	NONE	1.2	1.2	1.2	1.2	1.2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	Chrysotile & Amosite	Chrysotile
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	Not-detected	Detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	0.001	9.459
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	0.001	9.46
Asbestos Analyst ID	N/A	N/A	N/A	MDB		MDB	MDB	MDB
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8	8	7.9	7.9	8.2
Total 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	0.032	0.047	0.078	0.019	0.027
Sulphide	mg/kg	1	MCERTS	5.2	2	11	5.9	2.9
Organic Matter (automated)	%	0.1	MCERTS	3.4	0.6	1.9	4.3	4.9
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	0.23	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.35	< 0.05	< 0.05	< 0.05	0.36
Acenaphthene	mg/kg	0.05	MCERTS	0.3	< 0.05	< 0.05	< 0.05	0.21
Fluorene	mg/kg	0.05	MCERTS	0.3	< 0.05	< 0.05	< 0.05	0.28
Phenanthrene	mg/kg	0.05	MCERTS	4.9	< 0.05	1.8	1.7	6.6
Anthracene	mg/kg	0.05	MCERTS	0.8	< 0.05	0.3	0.21	1
Fluoranthene	mg/kg	0.05	MCERTS	7.7	< 0.05	3.5	4	13
Pyrene	mg/kg	0.05	MCERTS	6.6	< 0.05	2.9	3.6	11
Benzo(a)anthracene	mg/kg	0.05	MCERTS	4.4	< 0.05	1.7	2.1	5.7
Chrysene	mg/kg	0.05	MCERTS	3.1	< 0.05	1.7	2.3	5.6
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	3.8	< 0.05	1.7	2.8	5.7
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	2.3	< 0.05	1.3	1	3.3
Benzo(a)pyrene	mg/kg	0.05	MCERTS	3.8	< 0.05	1.9	2.3	6.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.1	< 0.05	0.95	1.3	3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.64	< 0.05	0.3	0.36	0.8
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	2.4	< 0.05	1.1	1.5	3.4
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	43.7	< 0.80	19.1	23.1	66.4
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	20	16	15	23	53
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	41	60	40	37	37
Copper (aqua regia extractable)	mg/kg	1	MCERTS	74	37	86	87	110
Lead (aqua regia extractable)	mg/kg	1	MCERTS	620	30	250	550	760
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	0.6	< 0.3	1
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	33	60	46	30	35
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	400	87	250	330	340
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217780	2217781	2217782	2217783	2217784
Sample Reference				HP02	HP02	HP03	HP04	HP05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.45	1.00	0.50	0.30	0.20
Date Sampled				23/03/2022	23/03/2022	23/03/2022	23/03/2022	23/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	3.5	< 2.0	< 2.0	4.7	2.2
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	20	< 10	< 10	27	40
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	39	< 10	15	70	110
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	63	< 10	25	100	150
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	-	-	-	-	-
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	-	-	-	-	-

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217780	2217781	2217782	2217783	2217784
Sample Reference				HP02	HP02	HP03	HP04	HP05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.45	1.00	0.50	0.30	0.20
Date Sampled				23/03/2022	23/03/2022	23/03/2022	23/03/2022	23/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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	-	-	-	-	-

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 52	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 101	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 138	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 153	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 180	mg/kg	0.001	MCERTS	-	-	-	-	-

Total PCBs by GC-MS

Total PCBs	mg/kg	0.007	MCERTS	-	-	-	-	-

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

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Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217785	2217786	2217787	2217788	2217789
Sample Reference				HP05	HP06	HP07	HP08	HP09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.30	0.20	0.30	0.15
Date Sampled				23/03/2022	23/03/2022	23/03/2022	23/03/2022	23/03/2022
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	45	< 0.1	44	< 0.1
Moisture Content	%	0.01	NONE	13	16	19	14	19
Total mass of sample received	kg	0.001	NONE	1.2	1.2	1.2	1.2	1.2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A					
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.3	7.6	7.6	7.8	5.8
Total 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	0.21	0.03	0.039	0.046	0.016
Sulphide	mg/kg	1	MCERTS	1.3	3.8	9.2	120	2.9
Organic Matter (automated)	%	0.1	MCERTS	0.5	3.2	4.2	3.9	4.1
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	0.21	< 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	0.53	0.86	2.3	4.8	0.22
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.74	1.3	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	1.5	1.4	9	12	0.4
Pyrene	mg/kg	0.05	MCERTS	1.3	1.2	8.3	11	0.37
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.91	0.76	6	6.5	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.68	0.63	4.6	5.2	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.82	0.65	6.2	5.5	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.56	0.5	2.7	3.2	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.92	0.74	6	5.6	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.45	0.39	2.8	2.6	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.82	0.67	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.51	0.45	3.2	2.8	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	8.16	7.53	52.7	60.7	0.99
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	43	43	71	43	17
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	31	40	41	31	39
Copper (aqua regia extractable)	mg/kg	1	MCERTS	21	76	72	60	57
Lead (aqua regia extractable)	mg/kg	1	MCERTS	29	720	220	230	250
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	1.6	0.9	0.5	0.7
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	26	32	31	22	24
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	32	220	170	210	110
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217785	2217786	2217787	2217788	2217789
Sample Reference				HP05	HP06	HP07	HP08	HP09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.30	0.20	0.30	0.15
Date Sampled				23/03/2022	23/03/2022	23/03/2022	23/03/2022	23/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	2.4	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	20	25	32	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	21	38	50	57	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	27	60	77	92	< 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	-	-	-	-	-
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	-	-	-	-	-

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217785	2217786	2217787	2217788	2217789
Sample Reference				HP05	HP06	HP07	HP08	HP09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.30	0.20	0.30	0.15
Date Sampled				23/03/2022	23/03/2022	23/03/2022	23/03/2022	23/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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	-	-	-	-	-

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 52	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 101	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 138	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 153	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 180	mg/kg	0.001	MCERTS	-	-	-	-	-

Total PCBs by GC-MS

Total PCBs	mg/kg	0.007	MCERTS	-	-	-	-	-

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

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Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217790	2217791	2217792	2217793	2217794
Sample Reference				HP10	HP11	HP11	HP12	HP13
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.30	0.90	0.20	0.40
Date Sampled				23/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022
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	44	< 0.1	< 0.1	45	< 0.1
Moisture Content	%	0.01	NONE	9.9	11	16	4.7	11
Total mass of sample received	kg	0.001	NONE	1.2	1.2	1.2	1.2	1.2
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	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	MDB	JMA		JMA	
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.2	9.4	8.1	9.4	9.3
Total 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	0.015	0.1	0.42	0.06	0.067
Sulphide	mg/kg	1	MCERTS	1.6	< 1.0	1.4	7.4	1.8
Organic Matter (automated)	%	0.1	MCERTS	4.4	1.1	0.6	1.7	0.6
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	0.43	0.22	< 0.05	0.23	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	1.1	< 0.05	2	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.53	< 0.05	0.65	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	1.6	< 0.05	1.7	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	2.8	13	0.4	12	1.9
Anthracene	mg/kg	0.05	MCERTS	0.32	3.1	< 0.05	2.9	0.4
Fluoranthene	mg/kg	0.05	MCERTS	3.1	18	0.46	20	1.7
Pyrene	mg/kg	0.05	MCERTS	2.4	15	0.37	18	1.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.6	8.2	< 0.05	11	0.76
Chrysene	mg/kg	0.05	MCERTS	1.5	6.5	< 0.05	9.1	0.54
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.3	7.5	< 0.05	12	0.59
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.79	3.1	< 0.05	6	0.4
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.3	7.7	< 0.05	13	0.68
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.55	3.3	< 0.05	6.1	0.31
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.21	0.93	< 0.05	1.7	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.66	3.8	< 0.05	7	0.36
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	16.9	92.6	1.23	124	9.14
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	18	14	8.6	49
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	0.8	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21	28	59	14	40
Copper (aqua regia extractable)	mg/kg	1	MCERTS	62	21	32	15	21
Lead (aqua regia extractable)	mg/kg	1	MCERTS	380	44	19	42	160
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	20	21	51	15	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	35	78	120	45
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217790	2217791	2217792	2217793	2217794
Sample Reference				HP10	HP11	HP11	HP12	HP13
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.30	0.90	0.20	0.40
Date Sampled				23/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	5.7	< 2.0	6.2	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	14	< 8.0	16	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	59	< 8.0	91	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	< 10	80	< 10	110	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	2.1	2
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	4.8	9.7	< 2.0	16	3.9
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	17	85	< 10	120	11
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	28	210	11	330	25
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	50	300	14	470	43
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	-	-	-	-	-
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	-	-	-	-	-

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Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217790	2217791	2217792	2217793	2217794
Sample Reference				HP10	HP11	HP11	HP12	HP13
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.30	0.90	0.20	0.40
Date Sampled				23/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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	-	-	-	-	-

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 52	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 101	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 138	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 153	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 180	mg/kg	0.001	MCERTS	-	-	-	-	-

Total PCBs by GC-MS

Total PCBs	mg/kg	0.007	MCERTS	-	-	-	-	-

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

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Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217795	2217796	2217797	2217798	2217799
Sample Reference				HP14	Core 1	Core 2	Core 3	Core 5
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022
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	-	-	-	-
Moisture Content	%	0.01	NONE	20	-	-	-	-
Total mass of sample received	kg	0.001	NONE	1.2	-	-	-	-
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	Chrysotile & Amosite	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	Not-detected	Detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	< 0.001	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	< 0.001	-	-
Asbestos Analyst ID	N/A	N/A	N/A		JMA	JMA	JMA	JMA
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.022	-	-	-	-
Sulphide	mg/kg	1	MCERTS	4.9	-	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	3.7	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	2.8	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	0.44	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	5.3	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	4.3	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.7	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	2.4	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	2.5	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	2	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.8	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.5	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.43	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.7	-	-	-	-
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	28.9	-	-	-	-
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	24	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	43	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	60	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	150	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.6	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	32	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	-	-	-	-
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217795	2217796	2217797	2217798	2217799
Sample Reference				HP14	Core 1	Core 2	Core 3	Core 5
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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 (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	< 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	3.8	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	22	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	50	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	75	-	-	-	-
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	-	-	-	-	-
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	-	-	-	-	-

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217795	2217796	2217797	2217798	2217799
Sample Reference				HP14	Core 1	Core 2	Core 3	Core 5
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
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	-	-	-	-	-

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 52	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 101	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 138	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 153	mg/kg	0.001	MCERTS	-	-	-	-	-
PCB Congener 180	mg/kg	0.001	MCERTS	-	-	-	-	-

Total PCBs by GC-MS

Total PCBs	mg/kg	0.007	MCERTS	-	-	-	-	-

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217800
Sample Reference				Core 6
Sample Number				None Supplied
Depth (m)				None Supplied
Date Sampled				24/03/2022
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Stone Content	%	0.1	NONE	-
Moisture Content	%	0.01	NONE	-
Total mass of sample received	kg	0.001	NONE	-
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-
Asbestos Quantification Total	%	0.001	ISO 17025	-
Asbestos Analyst ID	N/A	N/A	N/A	JMA
General Inorganics				
pH - Automated	pH Units	N/A	MCERTS	-
Total Cyanide	mg/kg	1	MCERTS	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-
Sulphide	mg/kg	1	MCERTS	-
Organic Matter (automated)	%	0.1	MCERTS	-
Total Phenols				
Total Phenols (monohydric)	mg/kg	1	MCERTS	-
Speciated PAHs				
Naphthalene	mg/kg	0.05	MCERTS	-
Acenaphthylene	mg/kg	0.05	MCERTS	-
Acenaphthene	mg/kg	0.05	MCERTS	-
Fluorene	mg/kg	0.05	MCERTS	-
Phenanthrene	mg/kg	0.05	MCERTS	-
Anthracene	mg/kg	0.05	MCERTS	-
Fluoranthene	mg/kg	0.05	MCERTS	-
Pyrene	mg/kg	0.05	MCERTS	-
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	-
Total PAH				
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-
Chromium (hexavalent)	mg/kg	4	NONE	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-
Monoaromatics & Oxygenates				
Benzene	µg/kg	1	MCERTS	-

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217800
Sample Reference				Core 6
Sample Number				None Supplied
Depth (m)				None Supplied
Date Sampled				24/03/2022
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
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 (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	-
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 (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	-
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	-
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	-

Analytical Report Number: 22-48037
Project / Site name: St. Annes
Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217800
Sample Reference				Core 6
Sample Number				None Supplied
Depth (m)				None Supplied
Date Sampled				24/03/2022
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
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	-

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	-
PCB Congener 52	mg/kg	0.001	MCERTS	-
PCB Congener 101	mg/kg	0.001	MCERTS	-
PCB Congener 118	mg/kg	0.001	MCERTS	-
PCB Congener 138	mg/kg	0.001	MCERTS	-
PCB Congener 153	mg/kg	0.001	MCERTS	-
PCB Congener 180	mg/kg	0.001	MCERTS	-

Total PCBs by GC-MS

Total PCBs	mg/kg	0.007	MCERTS	-

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

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Analytical Report Number: **22-48037**
Project / Site name: **St. Annes**
Your Order No: **21-2-FDO-LABS**

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
2217783	HP04	0.30	123	Loose Fibrous Debris	**Chrysotile & Amosite**	0.001	**0.001**
2217784	HP05	0.20	131	Rope	**Chrysotile**	9.459	**9.46**
2217797	Core 2		161	Loose Fibres	**Chrysotile & Amosite**	< 0.001	**< 0.001**

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Analytical Report Number: 22-48037
Project / Site name: St. Annes

Your Order No: 21-2-FDO-LABS

Lab Sample Number				2217769
Sample Reference				A|B Sample
Sample Number				None Supplied
Depth (m)				None Supplied
Date Sampled				21/03/2022
Time Taken				None Supplied
Analytical Parameter (Bulk Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Asbestos Identification	Type	N/A	ISO 17025	No Asbestos Detected

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

Analytical Report Number : 22-48037
Project / Site name: St. Annes

* 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 *
2217770	TP01	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
2217771	TP02	None Supplied	0.4	Brown clay and sand with brick and rubble.
2217772	TP03	None Supplied	0.6	Brown clay and sand with gravel and vegetation.
2217773	TP03	None Supplied	1.2	Brown clay and sand with gravel.
2217774	TP04	None Supplied	0.5	Brown clay and sand with gravel and stones.
2217775	TP04	None Supplied	1.5	Brown clay and loam.
2217776	TP05	None Supplied	0.3	Brown clay and sand with gravel and stones.
2217777	TP05	None Supplied	0.7	Brown clay and sand with gravel and stones.
2217778	HP01	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
2217779	HP01	None Supplied	0.8	Brown clay with gravel and vegetation.
2217780	HP02	None Supplied	0.45	Brown loam and clay with gravel and vegetation.
2217781	HP02	None Supplied	1	Brown clay.
2217782	HP03	None Supplied	0.5	Brown loam and clay with gravel and vegetation.
2217783	HP04	None Supplied	0.3	Brown loam and clay with stones and vegetation.
2217784	HP05	None Supplied	0.2	Brown loam and clay with gravel and brick.
2217785	HP05	None Supplied	0.5	Brown clay and sand with gravel.
2217786	HP06	None Supplied	0.3	Brown loam and clay with stones and brick.
2217787	HP07	None Supplied	0.2	Brown loam and clay with brick and vegetation.
2217788	HP08	None Supplied	0.3	Brown loam and clay with vegetation and stones.
2217789	HP09	None Supplied	0.15	Brown loam and clay with gravel and vegetation.
2217790	HP10	None Supplied	0.3	Brown loam and clay with gravel and stones.
2217791	HP11	None Supplied	0.3	Brown clay and sand with gravel.
2217792	HP11	None Supplied	0.9	Brown clay with gravel.
2217793	HP12	None Supplied	0.2	Brown sand with gravel and stones.
2217794	HP13	None Supplied	0.4	Brown clay and sand with gravel.
2217795	HP14	None Supplied	0.3	Brown loam and clay with gravel and vegetation.

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Analytical Report Number : 22-48037
Project / Site name: St. Annes

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 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
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
Asbestos identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
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
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	NONE
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
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 in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
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 cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	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
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
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025

Analytical Report Number : 22-48037
Project / Site name: St. Annes

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
Organic matter (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
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	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.

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

C Oliveira
Merebrook
First Floor
1 Leonard Place
Westerham Road
Keston
BR2 6HQ

t: 01689 889980
f: 01689 889981
e: coliveira@idom.com

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

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 22-48041

Project / Site name:	St. Annes	**Samples received on:**	24/03/2022
Your job number:		**Samples instructed on/ Analysis started on:**	28/03/2022
Your order number:	21-2-FDO-LABS	**Analysis completed by:**	05/04/2022
Report Issue Number:	1	**Report issued on:**	05/04/2022
Samples Analysed:	2 10:1 WAC samples		

Izabela Wójcik

Signed:

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.

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The results included within the report are representative of the samples submitted for analysis.

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

Telephone: 01923 225404
Fax: 01923 237404
email:reception@i2analytical.com

Waste Acceptance Criteria Analytical Results

Report No:	**22-48041**						
					Client:	**MEREBROOK**	
Location	**St. Annes**						
Lab Reference (Sample Number)	2217848 / 2217849				**Landfill Waste Acceptance Criteria Limits**		
Sampling Date	21/03/2022				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	TP04						
Depth (m)	0.50						
Solid Waste Analysis							
TOC (%)**	0.2				3%	5%	6%
Loss on Ignition (%) **	2.7				--	--	10%
BTEX (µg/kg) **	< 10				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg) EH_1D_CU_AL	150				500	--	--
Total PAH (WAC-17) (mg/kg)	2.19				100	--	--
pH (units)**	10.2				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	100				--	To be evaluated	To be evaluated
Eluate Analysis	10:1			10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	< 0.0010			< 0.0100	0.5	2	25
Barium *	0.0072			0.0659	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0055			0.050	0.5	10	70
Copper *	0.0008			0.0071	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0191			0.176	0.5	10	30
Nickel *	0.0033			0.030	0.4	10	40
Lead *	0.0035			0.033	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	0.0053			0.049	0.1	0.5	7
Zinc *	0.0025			0.023	4	50	200
Chloride *	16			140	800	15000	25000
Fluoride	0.079			0.73	10	150	500
Sulphate *	17			160	1000	20000	50000
TDS*	99			910	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	4.40			40.5	500	800	1000
Leach Test Information							
Stone Content (%)	39						
Sample Mass (kg)	1.2						
Dry Matter (%)	93						
Moisture (%)	7.3						

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.

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

Telephone: 01923 225404
Fax: 01923 237404
email:reception@i2analytical.com

Waste Acceptance Criteria Analytical Results

Report No:	**22-48041**						
					Client:	**MEREBROOK**	
Location	**St. Annes**						
Lab Reference (Sample Number)	2217850 / 2217851				**Landfill Waste Acceptance Criteria Limits**		
Sampling Date	21/03/2022				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	TP05						
Depth (m)	0.30						
Solid Waste Analysis							
TOC (%)**	1.0				3%	5%	6%
Loss on Ignition (%) **	1.9				--	--	10%
BTEX (µg/kg) **	< 10				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg) EH_1D_CU_AL	220				500	--	--
Total PAH (WAC-17) (mg/kg)	24.7				100	--	--
pH (units)**	9.0				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	18				--	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 *	0.0307			0.291	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0017			0.016	0.5	10	70
Copper *	0.0059			0.056	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0018			0.0170	0.5	10	30
Nickel *	0.0038			0.036	0.4	10	40
Lead *	0.0060			0.057	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	0.0054			0.051	0.1	0.5	7
Zinc *	0.011			0.10	4	50	200
Chloride *	1.5			14	800	15000	25000
Fluoride	0.13			1.2	10	150	500
Sulphate *	4.1			39	1000	20000	50000
TDS*	48			450	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	16.0			152	500	800	1000
Leach Test Information							
Stone Content (%)	53						
Sample Mass (kg)	1.2						
Dry Matter (%)	97						
Moisture (%)	3.1						

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

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Analytical Report Number : 22-48041
Project / Site name: St. Annes

* 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 *
2217848	TP04	None Supplied	0.5	Brown clay and sand with gravel and stones.
2217850	TP05	None Supplied	0.3	Brown clay and sand with gravel and stones.

Analytical Report Number : 22-48041
Project / Site name: St. Annes

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	L004-PL	W	ISO 17025

Analytical Report Number : 22-48041
Project / Site name: St. Annes

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

C Oliveira
Merebrook
First Floor
1 Leonard Place
Westerham Road
Keston
BR2 6HQ

t: 01689 889980
f: 01689 889981
e: coliveira@idom.com

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

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 22-48987

Project / Site name:	St Annes	**Samples received on:**	29/03/2022
Your job number:		**Samples instructed on/ Analysis started on:**	31/03/2022
Your order number:	22-2-FDO-LABS	**Analysis completed by:**	07/04/2022
Report Issue Number:	1	**Report issued on:**	07/04/2022
Samples Analysed:	1 bulk sample - 3 soil samples		

Martyna Langer

Signed:

Martyna Langer
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.

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

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Analytical Report Number: 22-48987
Project / Site name: St Annes
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2223009	2223010	2223011
Sample Reference				HP15	HP16	HP17
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				25/03/2022	25/03/2022	25/03/2022
Time Taken				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
Moisture Content	%	0.01	NONE	15	-	23
Total mass of sample received	kg	0.001	NONE	1.5	-	1.5
Asbestos in Soil	Type	N/A	ISO 17025	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	SCA	N/A
General Inorganics						
pH - Automated	pH Units	N/A	MCERTS	9.3	-	7.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	< 1.0
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.061	-	0.02
Sulphide	mg/kg	1	MCERTS	7.3	-	< 1.0
Organic Matter (automated)	%	0.1	MCERTS	3.9	-	4.4
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	0.7	-	0.42
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	2	-	1.1
Pyrene	mg/kg	0.05	MCERTS	1.9	-	0.98
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.3	-	0.52
Chrysene	mg/kg	0.05	MCERTS	1.3	-	0.65
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.4	-	0.48
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.96	-	0.43
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.6	-	0.58
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.88	-	0.2
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.24	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.96	-	0.36
Total PAH						
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	13.2	-	5.72
Heavy Metals / Metalloids						
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	72	-	16
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	3.4	-	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	-	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	39	-	38
Copper (aqua regia extractable)	mg/kg	1	MCERTS	100	-	48
Lead (aqua regia extractable)	mg/kg	1	MCERTS	220	-	240
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.6	-	0.5
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	42	-	26
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	190	-	95

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 22-48987
Project / Site name: St Annes
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2223009	2223010	2223011
Sample Reference				HP15	HP16	HP17
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				25/03/2022	25/03/2022	25/03/2022
Time Taken				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 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	-	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	MCERTS	< 10	-	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	-	7.3
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	-	17
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	21	-	34
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	MCERTS	31	-	59

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

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Analytical Report Number: 22-48987
Project / Site name: St Annes

Your Order No: 22-2-FDO-LABS

Lab Sample Number				2223008
Sample Reference				TP05
Sample Number				None Supplied
Depth (m)				None Supplied
Date Sampled				24/03/2022
Time Taken				None Supplied
Analytical Parameter (Bulk Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Asbestos Identification	Type	N/A	ISO 17025	Chrysotile - Hard/Cement Type Material
Asbestos Analyst ID	N/A	N/A	N/A	SCA

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

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Analytical Report Number : 22-48987
Project / Site name: St Annes

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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 *
2223009	HP15	None Supplied	None Supplied	Brown clay and loam with gravel and vegetation.
2223011	HP17	None Supplied	None Supplied	Brown clay and loam with gravel and vegetation.

Analytical Report Number : 22-48987
Project / Site name: St Annes

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 Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
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
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
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
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 cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-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
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
Organic matter (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
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	NONE
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE

Analytical Report Number : 22-48987
Project / Site name: St Annes

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

APPENDIX 5 ▪ Groundwater Laboratory Analysis Certificates

Joe Bertram
Merebrook
First Floor
1 Leonard Place
Westerham Road
Keston
BR2 6HQ

t: 01689 889980
f: 01689 889981
e: jbertram@idom.com

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

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 22-52761

Replaces Analytical Report Number: 22-52761, issue no. 1
Client references/information amended.

Project / Site name:	St Anns	**Samples received on:**	14/04/2022
Your job number:	21914J	**Samples instructed on/ Analysis started on:**	20/04/2022
Your order number:		**Analysis completed by:**	29/04/2022
Report Issue Number:	2	**Report issued on:**	29/04/2022
Samples Analysed:	2 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

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.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-52761
Project / Site name: St Anns

Lab Sample Number				2244762	2244763
Sample Reference				WS16	BH17
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				13/04/2022	13/04/2022
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	7.6	7.2
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10
Sulphate as SO4	µg/l	45	ISO 17025	115000	727000
Sulphide	µg/l	5	NONE	< 5.0	< 5.0
Total Organic Carbon (TOC)	mg/l	0.1	ISO 17025	7.88	13.1
Total Phenols					
Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10	< 10
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	1.18	< 0.01
Pyrene	µg/l	0.01	ISO 17025	1.21	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	0.85	< 0.01
Chrysene	µg/l	0.01	ISO 17025	0.81	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	1.13	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	0.52	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.91	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	0.38	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	0.44	< 0.01
Total PAH					
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	7.43	< 0.16
Heavy Metals / Metalloids					
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.87	0.63
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	0.09
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.3	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	1.6	2.6
Lead (dissolved)	µg/l	0.2	ISO 17025	0.2	0.4
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	0.8	5.3
Selenium (dissolved)	µg/l	0.6	ISO 17025	2.4	1
Zinc (dissolved)	µg/l	0.5	ISO 17025	< 0.5	17

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Analytical Report Number: 22-52761
Project / Site name: St Anns

Lab Sample Number				2244762	2244763
Sample Reference				WS16	BH17
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				13/04/2022	13/04/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
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
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 (C5 - C35) $_{HS+EH\_1D\_AL\_\#1\_\#2\_MS}$	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 (C5 - C35) $_{HS+EH\_1D\_AR\_\#1\_\#2\_MS}$	µg/l	10	NONE	< 10	< 10

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-52761
Project / Site name: St Anns

Lab Sample Number				2244762	2244763
Sample Reference				WS16	BH17
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				13/04/2022	13/04/2022
Time Taken				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
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	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
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0

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Analytical Report Number: 22-52761
Project / Site name: St Anns

Lab Sample Number				2244762	2244763
Sample Reference				WS16	BH17
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				13/04/2022	13/04/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0

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

Analytical Report Number : 22-52761
Project / Site name: St Anns

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-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
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
Monohydric phenols in water	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
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
Sulphide in water	Determination of sulphide in water by ion selective electrode.	In-house method	L029-PL	W	NONE
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
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	ISO 17025
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
Total organic carbon in water	Determination of dissolved organic carbon in water by TOC/DOC NDIR analyser. Accredited matrices: SW PW GW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-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
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
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

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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Analytical Report Number : 22-52761
Project / Site name: St Anns

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

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

Analytical Report Number : 22-52761
Project / Site name: St Anns

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
BH17	None Supplied	W	2244763	c	BTEX and MTBE in water (Monoaromatics)	L073B-PL	c
BH17	None Supplied	W	2244763	c	Hexavalent chromium in water	L080-PL	c
BH17	None Supplied	W	2244763	c	Metals in water by ICP-MS (dissolved)	L012-PL	c
BH17	None Supplied	W	2244763	c	Sulphate in water	L039-PL	c
BH17	None Supplied	W	2244763	c	Sulphide in water	L029-PL	c
BH17	None Supplied	W	2244763	c	Total cyanide in water	L080-PL	c
BH17	None Supplied	W	2244763	c	Volatile organic compounds in water	L073B-PL	c
BH17	None Supplied	W	2244763	c	pH at 20oC in water (automated)	L099-PL	c
WS16	None Supplied	W	2244762	c	BTEX and MTBE in water (Monoaromatics)	L073B-PL	c
WS16	None Supplied	W	2244762	c	Hexavalent chromium in water	L080-PL	c
WS16	None Supplied	W	2244762	c	Metals in water by ICP-MS (dissolved)	L012-PL	c
WS16	None Supplied	W	2244762	c	Sulphate in water	L039-PL	c
WS16	None Supplied	W	2244762	c	Sulphide in water	L029-PL	c
WS16	None Supplied	W	2244762	c	Total cyanide in water	L080-PL	c
WS16	None Supplied	W	2244762	c	Volatile organic compounds in water	L073B-PL	c
WS16	None Supplied	W	2244762	c	pH at 20oC in water (automated)	L099-PL	c

APPENDIX 6

- Field Monitoring Records
- Groundwater Level Data
- Hazardous Soil Gas Data

GAS MONITORING RECORD ROUND 1

Location Reference	Time	Flow and Pressure Measurements				Gas Measurements						VOC Measurements		Dip Measurements		Comments
		Flow		Atmospheric Pressure	Differential Pressure	Methane	Methane LEL	Carbon Dioxide	Oxygen	Carbon Monoxide	Hydrogen Sulphide	Hexane	PID	Depth to Water	Depth to Base	
		max	steady													
		l hr^{-1}		mb	Pa	%	%	%	%	ppm	ppm	%	ppm	m	m	
BH17	13:00	0	0	1013	0	0	0	0	20.4	0	0	0.180	nr	0.85	3.85	-
WS16	13:20	0	0	1018	0	0	0	0.1	20.6	0	0	0.013	nr	2.11	2.97	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Weather:	Sunny, atmospheric pressure raising over the previous 24 hours.	nr = not recorded	**Gas Analyser**	**PID**	**Site:** St Ann's
		Model:	GFM 436-1	MiniRae 3000	**Project Number:** 21914j
		Serial Number:	12228	592-920925	**Monitored By:** Joe Bertram
		Date of Last Calibration:	30/09/2021	28/10/2021	**Date:** 13/04/2022

APPENDIX 7 ▪ Gas Risk Assessment

MODIFIED WILSON AND CARD GAS CHARACTERISTIC SITUATION

SITE: St Ann's JOB NUMBER: 21914j 22/04/2022

Carbon Dioxide			Methane		
Maximum Gas Concentration	0.10 %		Maximum Gas Concentration	0.10 %	
Maximum Measured Steady Flow	0.10 L hr^{-1}		Maximum Measured Peak Flow	0.10 L hr^{-1}	
Gas Screening Value	0.00 L hr^{-1}		Gas Screening Value	0.00 L hr^{-1}	
Characteristic Situation	1		Characteristic Situation	1	

if measured values are zero then resolution limit of instrument is used for calculation of GSV
worst case carbon dioxide or methane characteristic situation value defines overall characterstic situation for the site

Modified Wilson and Card Classification

					BS 8485:2015+A1:2019 Gas Protection Scores - refer to standard for full guidance			
					Minimum Gas Protection Score Required			
Characteristic Situation	Risk Classification	Gas Screening Value Threshold (L hr^{-1})	Additional Factors	Typical Source of Generation	Type A Building	Type B Building	Type C Building	Type D Building
1	very low risk	<0.07	typically methane not to exceed 1% and/or carbon dioxide 5% otherwise consider increase to situation 2	natural soils with low organic content; 'typical' made ground	0	0	0	0
2	low risk	0.07 to <0.7	borehole air flow rate not to exceed 70 L hr^{-1} otherwise consider increase to situation 3	natural soils with high peat/organic content; 'typical' made ground	3.5	3.5	2.5	1.5
3	moderate risk	0.7 to <3.5		old landfill, inert waste, mineworking flooded	4.5	4	3	2.5
4	moderate to high risk	3.5 to <15	quantitative risk assessment required to evaluate scope of protective measures	mineworking susceptible to flooding, completed landfill	6.5 A)	5.5 A)	4.5	3.5
5	high risk	15 to <70		mineworking unflooded inactive with shallow workings near surface	hazard too high for this method to define protection measures	6 A)	5.5	4.5
6	very high risk	>70		recent landfill site	hazard too high for this method to define protection measures	hazard too high for this method to define protection measures	hazard too high for this method to define protection measures	6

BS 8485:2015+A1:2019 Gas Protection Measures - refer to standard for full guidance
Select two or more elements from the following three types of protection to achieve score (only one element per type permitted)

Structural Barrier	Score A)	Ventilation Measures		Score	Gas Resistant Membrane	Score
Precast suspended segmental subfloor (i.e. beam and block)	0	Pressure relief pathway (usually formed of low fines gravel or with a thin geocomposite blanket or strips terminating in a gravel trench external to the building)		0.5	Gas resistant membrane meeting all of the following criteria: 1. sufficiently impervious, both in the sheet material and in the sealing of sheets and sealing around sheet penetrations, to prevent any significant passage of methane and/or carbon dioxide through the membrane. *A membrane with a methane gas transmission rate <40.0 ml/day/m2/atm (average) for sheets and joints (tested in accordance with BS ISO 15105-1:2007 manometric method) is regarded as sufficiently impervious.* 2. sufficiently durable to remain serviceable for the anticipated life of the building and duration of gas emissions 3. sufficiently strong* to withstand the installation process and following trades until covered (e.g. penetration from steel fibres in fibre reinforced concrete, penetration of reinforcement ties, tearing due to working above it, dropping tools, etc) and to withstand in-service stresses (e.g. settlement if placed below a floor slab) 5. capable, after installation, of providing a complete barrier to the entry of the relevant gas 6. verified in accordance with CIRIA C735 * For example, reinforced LDPE (virgin polymer) membranes having a minimum mass per unit area of 370 g/m2 and not significantly less than 0.4 mm thickness between the reinforcement scrim (tested in accordance with Procedure D (2 mm diameter tip) of BS EN ISO 9863-1:2016) installed above floor slabs are considered sufficiently strong to meet the performance criteria (see also C.3). Thicker and more robust membranes or an additional membrane protection layer should be installed directly beneath cast-in-situ floor slabs	2
Cast in situ ground-bearing floor slab (with only nominal mesh reinforcement)	0.5	Passive sub floor dispersal layer	Very good performance E)	2.5		
			Good performance E)	1.5		
Cast in situ monolithic reinforced ground bearing raft or reinforced cast in situ suspended floor slab with minimal penetrations	1 or 1.5 B)	Active dispersal layer, usually comprising fans with active abstraction (suction) from a subfloor dilution layer, with roof level vents. The dilution layer may comprise a clear void or be formed of geocomposite or polystyrene void formers E)		1.5 to 2.5		
Basement floor and walls conforming to BS 8102:2009, Grade 2 waterproofing C) D)	2	Active positive pressurization by the creation of a blanket of external fresh air beneath the building floor slab by pumps supplying air to points across the central footprint of the building into a permeable layer, usually formed of a thin geocomposite blanket E)		1.5 to 2.5		
Basement floor and walls conforming to BS 8102:2009, Grade 3 waterproofing C) D)	2.5	Ventilated car park (floor slab of occupied part of the building under consideration is underlain by a basement or undercroft car park) F)		4		

Notes

A) The scores are conditional on breaches of floor slabs, etc., being effectively sealed

B) To achieve a score of 1.5 the raft or suspended slab should be well reinforced to control cracking and have minimal penetrations cast in

C) The score is conditional on the waterproofing being provided by a suitable structural barrier with the design and detailing of the walls and floor meeting the requirements for Type B protection. The score cannot be assigned for Type A (waterproof membrane) or Type C (drained cavity wall).

D) If a membrane is installed beneath and around the basement to provide Type A waterproofing (BS 8102:2009), it can be assigned a gas protection score in accordance with Table 7, if it meets all the criteria for a gas resistant membrane in that table

E) Refer to BS 8485:2015 Annex B to determine performance and assign score

F) Assumes that the car park is vented to deal with car exhaust fumes, designed to Buildings Regulations 2000, Approved Document F

Building Types

Type A
Private ownership with no building management controls on alterations to the internal structure, the use of rooms, the ventilation of rooms or the structural fabric of the building. Some small rooms present. Probably conventional building construction (rather than civil engineering). Examples include private housing and some retail premises.

FOR TYPE A BUILDINGS ACTIVE VENTILATION MEASURES ARE INAPPROPRIATE

Type B
Private or commercial property with central building management control of any alterations to the building or its uses but limited or no central building management control of the maintenance of the building, including the gas protection measures. Multiple occupancy. Small to medium size rooms with passive ventilation of rooms and other internal spaces throughout ground floor and basement areas. May be conventional building or civil engineering construction. Examples include managed apartments, multiple occupancy offices, some retail premises and parts of some public buildings (such as schools, hospitals, leisure centres) and parts of hotels.

Type C
Commercial building with central building management control of any alterations to the building or its uses and central building management control of the maintenance of the building, including the gas protection measures. Single occupancy of ground floor and basement areas. Small to large size rooms with active ventilation or good passive ventilation of all rooms and other internal spaces throughout ground floor and basement areas. Probably civil engineering construction. Examples include offices, some retail premises, and parts of some public buildings (such as schools, hospitals, leisure centres and parts of hotels).

Type D
Industrial style building having large volume internal space(s) that are well ventilated. Corporate ownership with building management controls on alterations to the ground floor and basement areas of the building and on maintenance of ground gas protective measures. Probably civil engineering construction. Examples are retail park sales buildings, factory shop floor areas, warehouses. (Small rooms within these style buildings should be separately categorized as Type B or Type C).

NHBC TRAFFIC LIGHT GAS CHARACTERISTIC SITUATION

SITE: St Ann's JOB NUMBER: 21914j 22/04/2022

Carbon Dioxide			Methane		
Maximum Gas Concentration	0.10	%	Maximum Gas Concentration	0.10	%
Maximum Measured Steady Flow	0.10	L hr^{-1}	Maximum Measured Peak Flow	0.10	L hr^{-1}
Gas Screening Value	0.00	L hr^{-1}	Gas Screening Value	0.00	L hr^{-1}
Characteristic Situation	Green		Characteristic Situation	Green	

if measured values are zero then resolution limit of instrument is used for calculation of GSV
worst case carbon dioxide or methane characteristic situation value defines overall characterstic situation for the site

NHBC Classification **Protection Measures**

Characteristic Situation	Carbon Dioxide		Methane		Identified Gas Regime		Protection Measures Required
	Typical Maximum Concentration (%v/v)	Gas Screening Value (L hr^{-1})	Typical Maximum Concentration (%v/v)	Gas Screening Value (L hr^{-1})			
Green						negligible	Ground gas protection measures are not required
	5	0.78	1	0.16			
Amber 1						low to intermediate	Low-level ground gas protection measures are required, using a membrane and ventilated sub-floor void that creates a permeability contrast to limit the ingress of gas into buildings. Gas protection measures are to be installed as prescribed in BRE 414. Ventilation of the sub-floor void should be designed to provide a minimum of one complete volume change per 24 hours
	10	1.56	5	0.63			
Amber 2						intermediate to high	High-level ground gas protection measures are required, creating a permeability contrast to prevent ingress of gas into buildings. Gas protection measures are to be installed as prescribed in BRE 414. Membranes used should always be fitted by a specialist contractor and should be fully certified (see Appendix E). As with Amber 1, ventilation of the sub-floor void should be designed to provide a minimum of one complete volume change per 24 hours.
	30	3.10	20	1.56			
Red						high	Standard residential housing is not normally acceptable without further Ground Gas Risk Assessment and/or possible remedial mitigation measures to reduce/remove the source of the ground gases. In certain circumstances, active protection methods could be applied, but only when there is a legal agreement assuring the management and maintenance of the system for the life of the property.

APPENDIX 8

- 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.

7KM80-NCJM5-SQDK1

Job name

St Ann's Hospital 21914J

Description/Comments

Project

Site

Classified by

Name:
Keith Paramor
Date:
22 Apr 2022 11:42 GMT
Telephone:
01773 829988

Company:
Idom Merebrook Ltd
Cromford Mills, Mill Lane
Matlock
DE4 3RQ

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

HazWasteOnline™ Certification: -

Course	Date
Hazardous Waste Classification	26 Mar 2015
3 year Refresher overdue	-

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	MMTP01	0.2	Non Hazardous		3
2	MMTP02	0.4	Non Hazardous		6
3	MTP03	0.6	Hazardous	HP 14	9
4	MTP03[2]	1.2	Non Hazardous		12
5	MTP04	0.5	Non Hazardous		15
6	MTP04[2]	1.5	Non Hazardous		18
7	MTP05	0.3	Non Hazardous		21
8	MTP05[2]	0.7	Non Hazardous		24
9	MHP01	0.2	Non Hazardous		27
10	MHP01[2]	0.8	Non Hazardous		30
11	MHP02	0.45	Non Hazardous		32
12	MHP02[2]	1	Non Hazardous		35
13	MHP03	0.5	Non Hazardous		37
14	MHP04	0.3	Non Hazardous		40
15	MHP05	0.2	Non Hazardous		43
16	MHP05[2]	0.5	Non Hazardous		46
17	MHP06	0.3	Non Hazardous		49
18	MHP07	0.2	Non Hazardous		52
19	MHP08	0.3	Non Hazardous		55
20	MHP09	0.15	Non Hazardous		58
21	MHP10	0.3	Non Hazardous		60
22	MHP11	0.3	Non Hazardous		63
23	MHP11[2]	0.9	Non Hazardous		66
24	MHP12	0.2	Non Hazardous		69
25	MHP13	0.4	Non Hazardous		72
26	MHP14	0.3	Non Hazardous		75
27	MHP15	0.3	Non Hazardous		78
28	MHP17	0.2	Non Hazardous		81
29	MMTP01[2]	0.2	Non Hazardous		84

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
30	MMTP02[2]	0.4	Non Hazardous		87
31	MTP03[3]	0.6	Hazardous	HP 14	90
32	MTP03[4]	1.2	Non Hazardous		93
33	MTP04[3]	0.5	Non Hazardous		96
34	MTP04[4]	1.5	Non Hazardous		99
35	MTP05[3]	0.3	Non Hazardous		101
36	MTP05[4]	0.7	Non Hazardous		104
37	MHP01[3]	0.2	Non Hazardous		107
38	MHP01[4]	0.8	Non Hazardous		110
39	MHP02[3]	0.45	Non Hazardous		112
40	MHP02[4]	1	Non Hazardous		115
41	MHP03[2]	0.5	Non Hazardous		117
42	MHP04[2]	0.3	Non Hazardous		120
43	MHP05[3]	0.2	Non Hazardous		123
44	MHP05[4]	0.5	Non Hazardous		126
45	MHP06[2]	0.3	Non Hazardous		129
46	MHP07[2]	0.2	Non Hazardous		132
47	MHP08[2]	0.3	Non Hazardous		135
48	MHP09[2]	0.15	Non Hazardous		138
49	MHP10[2]	0.3	Non Hazardous		140
50	MHP11[3]	0.3	Non Hazardous		143
51	MHP11[4]	0.9	Non Hazardous		146
52	MHP12[2]	0.2	Non Hazardous		149
53	MHP13[2]	0.4	Non Hazardous		152
54	MHP14[2]	0.3	Non Hazardous		155
55	MHP15[2]	0.3	Non Hazardous		158
56	MHP17[2]	0.2	Non Hazardous		161

Related documents

#	Name	Description
1	Example waste stream template for contaminated soils	waste stream template used to create this Job

Report

Created by: Keith Paramor

Created date: 22 Apr 2022 11:42 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	164
Appendix B: Rationale for selection of metal species	165
Appendix C: Version	166

Classification of sample: MMTP01

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

Sample details

Sample name:
MMTP01
Sample Depth:
0.2 m
Moisture content:
13%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17 mg/kg	1.32	22.446 mg/kg	0.00224 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		4.1 mg/kg	1.142	4.684 mg/kg	0.000468 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.1 mg/kg	1.462	5.992 mg/kg	0.000599 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		96 mg/kg	1.126	108.085 mg/kg	0.0108 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	340 mg/kg		340 mg/kg	0.034 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.7 mg/kg	1.353	2.301 mg/kg	0.00023 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		24 mg/kg	2.637	63.28 mg/kg	0.00633 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		230 mg/kg	2.469	567.938 mg/kg	0.0568 %		
11	TPH (C6 to C40) petroleum group			TPH		360 mg/kg		360 mg/kg	0.036 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8.5	pH		8.5	pH	8.5 pH		
				PH									
20		naphthalene				0.6	mg/kg		0.6	mg/kg	0.00006 %		
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
			205-917-1	208-96-8									
22		acenaphthene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			201-469-6	83-32-9									
23		fluorene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			201-695-5	86-73-7									
24		phenanthrene				29	mg/kg		29	mg/kg	0.0029 %		
			201-581-5	85-01-8									
25		anthracene				6.6	mg/kg		6.6	mg/kg	0.00066 %		
			204-371-1	120-12-7									
26		fluoranthene				33	mg/kg		33	mg/kg	0.0033 %		
			205-912-4	206-44-0									
27		pyrene				25	mg/kg		25	mg/kg	0.0025 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				16	mg/kg		16	mg/kg	0.0016 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				11	mg/kg		11	mg/kg	0.0011 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				12	mg/kg		12	mg/kg	0.0012 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				7.8	mg/kg		7.8	mg/kg	0.00078 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				13	mg/kg		13	mg/kg	0.0013 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				6.1	mg/kg		6.1	mg/kg	0.00061 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				6.7	mg/kg		6.7	mg/kg	0.00067 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.166 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.036%)

Classification of sample: MMTP02

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

Sample details

Sample name:
MMTP02
Sample Depth:
0.4 m
Moisture content:
11%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		19 mg/kg	1.32	25.086 mg/kg	0.00251 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.1 mg/kg	1.142	2.399 mg/kg	0.00024 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.1 mg/kg	1.462	3.069 mg/kg	0.000307 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		86 mg/kg	1.126	96.826 mg/kg	0.00968 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	320 mg/kg		320 mg/kg	0.032 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.7 mg/kg	1.353	0.947 mg/kg	0.0000947 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		24 mg/kg	2.637	63.28 mg/kg	0.00633 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		190 mg/kg	2.469	469.166 mg/kg	0.0469 %		
11	TPH (C6 to C40) petroleum group			TPH		260 mg/kg		260 mg/kg	0.026 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				9.4	pH		9.4	pH	9.4 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			201-581-5	85-01-8									
25		anthracene				0.72	mg/kg		0.72	mg/kg	0.000072 %		
			204-371-1	120-12-7									
26		fluoranthene				5.4	mg/kg		5.4	mg/kg	0.00054 %		
			205-912-4	206-44-0									
27		pyrene				4.6	mg/kg		4.6	mg/kg	0.00046 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				3.7	mg/kg		3.7	mg/kg	0.00037 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				2.7	mg/kg		2.7	mg/kg	0.00027 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.48	mg/kg		0.48	mg/kg	0.000048 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.129 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.026%)

Classification of sample: MTP03

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
MTP03
Sample Depth:
0.6 m
Moisture content:
9.8%
(no 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 sulphate: (compound conc.: 0.296%)

Determinands

Moisture content: 9.8% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		26 mg/kg	1.32	34.328 mg/kg	0.00343 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.6 mg/kg	1.142	1.828 mg/kg	0.000183 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.6 mg/kg	1.462	2.338 mg/kg	0.000234 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		65 mg/kg	1.126	73.183 mg/kg	0.00732 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	390 mg/kg		390 mg/kg	0.039 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		6.6 mg/kg	1.353	8.933 mg/kg	0.000893 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		34 mg/kg	2.637	89.647 mg/kg	0.00896 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		1200 mg/kg	2.469	2963.156 mg/kg	0.296 %		
11	TPH (C6 to C40) petroleum group			TPH		879 mg/kg		879 mg/kg	0.0879 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					

#		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									
13		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									
14		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
15		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				8.2	mg/kg		8.2	mg/kg	0.00082 %		
			205-917-1	208-96-8									
22		acenaphthene				2.5	mg/kg		2.5	mg/kg	0.00025 %		
			201-469-6	83-32-9									
23		fluorene				7.1	mg/kg		7.1	mg/kg	0.00071 %		
			201-695-5	86-73-7									
24		phenanthrene				73	mg/kg		73	mg/kg	0.0073 %		
			201-581-5	85-01-8									
25		anthracene				24	mg/kg		24	mg/kg	0.0024 %		
			204-371-1	120-12-7									
26		fluoranthene				120	mg/kg		120	mg/kg	0.012 %		
			205-912-4	206-44-0									
27		pyrene				98	mg/kg		98	mg/kg	0.0098 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				53	mg/kg		53	mg/kg	0.0053 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				42	mg/kg		42	mg/kg	0.0042 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				49	mg/kg		49	mg/kg	0.0049 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				15	mg/kg		15	mg/kg	0.0015 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				42	mg/kg		42	mg/kg	0.0042 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				19	mg/kg		19	mg/kg	0.0019 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				6.4	mg/kg		6.4	mg/kg	0.00064 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				18	mg/kg		18	mg/kg	0.0018 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.503 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0879%)

Classification of sample: MTP03[2]

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

Sample details

Sample name:
MTP03[2]
Sample Depth:
1.2 m
Moisture content:
14%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28 mg/kg	1.126	31.525 mg/kg	0.00315 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	26 mg/kg		26 mg/kg	0.0026 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6 mg/kg	1.353	0.812 mg/kg	0.0000812 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		41 mg/kg	2.637	108.104 mg/kg	0.0108 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120 mg/kg	2.469	296.316 mg/kg	0.0296 %		
11	TPH (C6 to C40) petroleum group			TPH		53 mg/kg		53 mg/kg	0.0053 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				0.24	mg/kg		0.24	mg/kg	0.000024 %		
			205-917-1	208-96-8									
22		acenaphthene				0.24	mg/kg		0.24	mg/kg	0.000024 %		
			201-469-6	83-32-9									
23		fluorene				0.41	mg/kg		0.41	mg/kg	0.000041 %		
			201-695-5	86-73-7									
24		phenanthrene				4.1	mg/kg		4.1	mg/kg	0.00041 %		
			201-581-5	85-01-8									
25		anthracene				0.98	mg/kg		0.98	mg/kg	0.000098 %		
			204-371-1	120-12-7									
26		fluoranthene				4.1	mg/kg		4.1	mg/kg	0.00041 %		
			205-912-4	206-44-0									
27		pyrene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				2	mg/kg		2	mg/kg	0.0002 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.92	mg/kg		0.92	mg/kg	0.000092 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				0.75	mg/kg		0.75	mg/kg	0.000075 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0573 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0053%)

Classification of sample: MTP04

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

Sample details

Sample name:
MTP04
Sample Depth:
0.5 m
Moisture content:
7.3%
(no 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: 7.3% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		50 mg/kg	1.32	66.016 mg/kg	0.0066 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24 mg/kg	1.126	27.021 mg/kg	0.0027 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	25 mg/kg		25 mg/kg	0.0025 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		54 mg/kg	2.637	142.381 mg/kg	0.0142 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		99 mg/kg	2.469	244.46 mg/kg	0.0244 %		
11	TPH (C6 to C40) petroleum group			TPH		62 mg/kg		62 mg/kg	0.0062 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				9.5	pH		9.5	pH	9.5 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
			201-469-6	83-32-9									
23		fluorene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
			201-695-5	86-73-7									
24		phenanthrene				0.6	mg/kg		0.6	mg/kg	0.00006 %		
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				0.54	mg/kg		0.54	mg/kg	0.000054 %		
			205-912-4	206-44-0									
27		pyrene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
37		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
38		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
39		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
40		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		polychlorobiphenyls; PCB				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3							
								Total:	0.0585 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0062%)

Classification of sample: MTP04[2]

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

Sample details

Sample name:
MTP04[2]
Sample Depth:
1.5 m
Moisture content:
18%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<LOD
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		29 mg/kg	1.126	32.651 mg/kg	0.00327 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16 mg/kg		16 mg/kg	0.0016 %		
7	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
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		42 mg/kg	2.637	110.741 mg/kg	0.0111 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		72 mg/kg	2.469	177.789 mg/kg	0.0178 %		
11	TPH (C6 to C40) petroleum group			TPH		<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8.6	pH		8.6	pH	8.6 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
37		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
38		tetrachloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
39		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
40		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
42		polychlorobiphenyls; PCB				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										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
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: MTP05

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

Sample details

Sample name:
MTP05
Sample Depth:
0.3 m
Moisture content:
3.1%
(no 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: 3.1% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12	mg/kg	1.32	15.844	mg/kg	0.00158 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.7	mg/kg	1.142	0.8	mg/kg	0.00008 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		0.7	mg/kg	1.462	1.023	mg/kg	0.000102 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	40	mg/kg		40	mg/kg	0.004 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10	mg/kg	2.637	26.367	mg/kg	0.00264 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		70	mg/kg	2.469	172.851	mg/kg	0.0173 %		
11	TPH (C6 to C40) petroleum group			TPH		223	mg/kg		223	mg/kg	0.0223 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑							
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				9	pH		9	pH	9pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				0.33	mg/kg		0.33	mg/kg	0.000033 %		
			201-469-6	83-32-9									
23		fluorene				0.38	mg/kg		0.38	mg/kg	0.000038 %		
			201-695-5	86-73-7									
24		phenanthrene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
			201-581-5	85-01-8									
25		anthracene				1	mg/kg		1	mg/kg	0.0001 %		
			204-371-1	120-12-7									
26		fluoranthene				3.9	mg/kg		3.9	mg/kg	0.00039 %		
			205-912-4	206-44-0									
27		pyrene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				2	mg/kg		2	mg/kg	0.0002 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.84	mg/kg		0.84	mg/kg	0.000084 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				0.89	mg/kg		0.89	mg/kg	0.000089 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				0.93	mg/kg		0.93	mg/kg	0.000093 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0531 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0223%)

Classification of sample: MTP05[2]

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

Sample details

Sample name:
MTP05[2]
Sample Depth:
0.7 m
Moisture content:
5.1%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		0.6 mg/kg	1.462	0.877 mg/kg	0.0000877 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	60 mg/kg		60 mg/kg	0.006 %		
7	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
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		15 mg/kg	2.637	39.55 mg/kg	0.00396 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		100 mg/kg	2.469	246.93 mg/kg	0.0247 %		
11	TPH (C6 to C40) petroleum group			TPH		460 mg/kg		460 mg/kg	0.046 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
			201-581-5	85-01-8									
25		anthracene				0.55	mg/kg		0.55	mg/kg	0.000055 %		
			204-371-1	120-12-7									
26		fluoranthene				5.4	mg/kg		5.4	mg/kg	0.00054 %		
			205-912-4	206-44-0									
27		pyrene				5.5	mg/kg		5.5	mg/kg	0.00055 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				3.4	mg/kg		3.4	mg/kg	0.00034 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				2.5	mg/kg		2.5	mg/kg	0.00025 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				2.2	mg/kg		2.2	mg/kg	0.00022 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0897 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.046%)

Classification of sample: MHP01

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

Sample details

Sample name:
MHP01
Sample Depth:
0.2 m
Moisture content:
17%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16	mg/kg	1.32	21.125	mg/kg	0.00211 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2	mg/kg	1.462	<0.292	mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		52	mg/kg	1.126	58.546	mg/kg	0.00585 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	200	mg/kg		200	mg/kg	0.02 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.1	mg/kg	1.353	1.489	mg/kg	0.000149 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		21	mg/kg	2.637	55.37	mg/kg	0.00554 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		140	mg/kg	2.469	345.701	mg/kg	0.0346 %		
11	TPH (C6 to C40) petroleum group			TPH		59	mg/kg		59	mg/kg	0.0059 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑							
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				7.2	pH		7.2	pH	7.2 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
			205-912-4	206-44-0									
27		pyrene				2	mg/kg		2	mg/kg	0.0002 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				1	mg/kg		1	mg/kg	0.0001 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				0.87	mg/kg		0.87	mg/kg	0.000087 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				0.95	mg/kg		0.95	mg/kg	0.000095 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				0.9	mg/kg		0.9	mg/kg	0.00009 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0767 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0059%)

Classification of sample: MHP01[2]

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

Sample details

Sample name:
MHP01[2]
Sample Depth:
0.8 m
Moisture content:
18%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		26 mg/kg	1.126	29.273 mg/kg	0.00293 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	22 mg/kg		22 mg/kg	0.0022 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		43 mg/kg	2.637	113.377 mg/kg	0.0113 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		69 mg/kg	2.469	170.381 mg/kg	0.017 %		
11	TPH (C6 to C40) petroleum group			TPH		<20 mg/kg		<20 mg/kg	<0.002 %		<**LOD**
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										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
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: MHP02

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

Sample details

Sample name:
MHP02
Sample Depth:
0.45 m
Moisture content:
18%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20 mg/kg	1.32	26.407 mg/kg	0.00264 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		74 mg/kg	1.126	83.316 mg/kg	0.00833 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	620 mg/kg		620 mg/kg	0.062 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		33 mg/kg	2.637	87.011 mg/kg	0.0087 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		400 mg/kg	2.469	987.719 mg/kg	0.0988 %		
11	TPH (C6 to C40) petroleum group			TPH		73 mg/kg		73 mg/kg	0.0073 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8	pH		8	pH	8pH		
				PH									
20		naphthalene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
			205-917-1	208-96-8									
22		acenaphthene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			201-469-6	83-32-9									
23		fluorene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			201-695-5	86-73-7									
24		phenanthrene				4.9	mg/kg		4.9	mg/kg	0.00049 %		
			201-581-5	85-01-8									
25		anthracene				0.8	mg/kg		0.8	mg/kg	0.00008 %		
			204-371-1	120-12-7									
26		fluoranthene				7.7	mg/kg		7.7	mg/kg	0.00077 %		
			205-912-4	206-44-0									
27		pyrene				6.6	mg/kg		6.6	mg/kg	0.00066 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				4.4	mg/kg		4.4	mg/kg	0.00044 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				3.8	mg/kg		3.8	mg/kg	0.00038 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				3.8	mg/kg		3.8	mg/kg	0.00038 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.64	mg/kg		0.64	mg/kg	0.000064 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.194 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0073%)

Classification of sample: MHP02[2]

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

Sample details

Sample name:
MHP02[2]
Sample Depth:
1 m
Moisture content:
18%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16	mg/kg	1.32	21.125	mg/kg	0.00211 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2	mg/kg	1.462	<0.292	mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		37	mg/kg	1.126	41.658	mg/kg	0.00417 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	30	mg/kg		30	mg/kg	0.003 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		60	mg/kg	2.637	158.201	mg/kg	0.0158 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		87	mg/kg	2.469	214.829	mg/kg	0.0215 %		
11	TPH (C6 to C40) petroleum group			TPH		<20	mg/kg		<20	mg/kg	<0.002 %		<**LOD**
12	confirm TPH has NOT arisen from diesel or petrol					☑							
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8	pH		8	pH	8pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0502 %		

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: MHP03

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

Sample details

Sample name:
MHP03
Sample Depth:
0.5 m
Moisture content:
14%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15	mg/kg	1.32	19.805	mg/kg	0.00198 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2	mg/kg	1.462	<0.292	mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		86	mg/kg	1.126	96.826	mg/kg	0.00968 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	250	mg/kg		250	mg/kg	0.025 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6	mg/kg	1.353	0.812	mg/kg	0.0000812 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		46	mg/kg	2.637	121.288	mg/kg	0.0121 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		250	mg/kg	2.469	617.324	mg/kg	0.0617 %		
11	TPH (C6 to C40) petroleum group			TPH		35	mg/kg		35	mg/kg	0.0035 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑							
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
			201-581-5	85-01-8									
25		anthracene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			204-371-1	120-12-7									
26		fluoranthene				3.5	mg/kg		3.5	mg/kg	0.00035 %		
			205-912-4	206-44-0									
27		pyrene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				0.95	mg/kg		0.95	mg/kg	0.000095 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.118 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0035%)

Classification of sample: MHP04

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

Sample details

Sample name:
MHP04
Sample Depth:
0.3 m
Moisture content:
16%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		23 mg/kg	1.32	30.367 mg/kg	0.00304 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		87 mg/kg	1.126	97.952 mg/kg	0.0098 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	550 mg/kg		550 mg/kg	0.055 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		30 mg/kg	2.637	79.101 mg/kg	0.00791 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		330 mg/kg	2.469	814.868 mg/kg	0.0815 %		
11	TPH (C6 to C40) petroleum group			TPH		110 mg/kg		110 mg/kg	0.011 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			201-581-5	85-01-8									
25		anthracene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			204-371-1	120-12-7									
26		fluoranthene				4	mg/kg		4	mg/kg	0.0004 %		
			205-912-4	206-44-0									
27		pyrene				3.6	mg/kg		3.6	mg/kg	0.00036 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				1	mg/kg		1	mg/kg	0.0001 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.36	mg/kg		0.36	mg/kg	0.000036 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.172 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.011%)

Classification of sample: MHP05

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

Sample details

Sample name:
MHP05
Sample Depth:
0.2 m
Moisture content:
14%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		53 mg/kg	1.32	69.977 mg/kg	0.007 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		110 mg/kg	1.126	123.848 mg/kg	0.0124 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	760 mg/kg		760 mg/kg	0.076 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1 mg/kg	1.353	1.353 mg/kg	0.000135 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		35 mg/kg	2.637	92.284 mg/kg	0.00923 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		340 mg/kg	2.469	839.561 mg/kg	0.084 %		
11	TPH (C6 to C40) petroleum group			TPH		160 mg/kg		160 mg/kg	0.016 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				0.36	mg/kg		0.36	mg/kg	0.000036 %		
			205-917-1	208-96-8									
22		acenaphthene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			201-469-6	83-32-9									
23		fluorene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
			201-695-5	86-73-7									
24		phenanthrene				6.6	mg/kg		6.6	mg/kg	0.00066 %		
			201-581-5	85-01-8									
25		anthracene				1	mg/kg		1	mg/kg	0.0001 %		
			204-371-1	120-12-7									
26		fluoranthene				13	mg/kg		13	mg/kg	0.0013 %		
			205-912-4	206-44-0									
27		pyrene				11	mg/kg		11	mg/kg	0.0011 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				5.7	mg/kg		5.7	mg/kg	0.00057 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				5.6	mg/kg		5.6	mg/kg	0.00056 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				5.7	mg/kg		5.7	mg/kg	0.00057 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				6.1	mg/kg		6.1	mg/kg	0.00061 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				3	mg/kg		3	mg/kg	0.0003 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.8	mg/kg		0.8	mg/kg	0.00008 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				3.4	mg/kg		3.4	mg/kg	0.00034 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.213 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.016%)

Classification of sample: MHP05[2]

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

Sample details

Sample name:
MHP05[2]
Sample Depth:
0.5 m
Moisture content:
13%
(no 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% No 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		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		43	mg/kg	1.32	56.774	mg/kg	0.00568 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2	mg/kg	1.462	<0.292	mg/kg	<0.0000292 %		<**LOD**
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<**LOD**
5		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
6		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	29	mg/kg		29	mg/kg	0.0029 %		
7		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**
8		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		26	mg/kg	2.637	68.554	mg/kg	0.00686 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
10		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		32	mg/kg	2.469	79.017	mg/kg	0.0079 %		
11		TPH (C6 to C40) petroleum group			TPH		37	mg/kg		37	mg/kg	0.0037 %		
12		confirm TPH has NOT arisen from diesel or petrol					☑							
13		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**
14		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8.3	pH		8.3	pH	8.3 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-912-4	206-44-0									
27		pyrene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				0.91	mg/kg		0.91	mg/kg	0.000091 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				0.68	mg/kg		0.68	mg/kg	0.000068 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				0.82	mg/kg		0.82	mg/kg	0.000082 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.56	mg/kg		0.56	mg/kg	0.000056 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				0.92	mg/kg		0.92	mg/kg	0.000092 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				0.51	mg/kg		0.51	mg/kg	0.000051 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										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
<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 phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0037%)

Classification of sample: MHP06

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

Sample details

Sample name:
MHP06
Sample Depth:
0.3 m
Moisture content:
16%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		43 mg/kg	1.32	56.774 mg/kg	0.00568 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		76 mg/kg	1.126	85.568 mg/kg	0.00856 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	720 mg/kg		720 mg/kg	0.072 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.6 mg/kg	1.353	2.166 mg/kg	0.000217 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32 mg/kg	2.637	84.374 mg/kg	0.00844 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		220 mg/kg	2.469	543.245 mg/kg	0.0543 %		
11	TPH (C6 to C40) petroleum group			TPH		70 mg/kg		70 mg/kg	0.007 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				0.86	mg/kg		0.86	mg/kg	0.000086 %		
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
			205-912-4	206-44-0									
27		pyrene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				0.76	mg/kg		0.76	mg/kg	0.000076 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				0.63	mg/kg		0.63	mg/kg	0.000063 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				0.65	mg/kg		0.65	mg/kg	0.000065 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.5	mg/kg		0.5	mg/kg	0.00005 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				0.74	mg/kg		0.74	mg/kg	0.000074 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				0.39	mg/kg		0.39	mg/kg	0.000039 %		
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.159 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.007%)

Classification of sample: MHP07

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

Sample details

Sample name:
MHP07
Sample Depth:
0.2 m
Moisture content:
19%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		71 mg/kg	1.32	93.743 mg/kg	0.00937 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		72 mg/kg	1.126	81.064 mg/kg	0.00811 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	220 mg/kg		220 mg/kg	0.022 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.9 mg/kg	1.353	1.218 mg/kg	0.000122 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		31 mg/kg	2.637	81.737 mg/kg	0.00817 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		170 mg/kg	2.469	419.78 mg/kg	0.042 %		
11	TPH (C6 to C40) petroleum group			TPH		87 mg/kg		87 mg/kg	0.0087 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
			201-581-5	85-01-8									
25		anthracene				0.74	mg/kg		0.74	mg/kg	0.000074 %		
			204-371-1	120-12-7									
26		fluoranthene				9	mg/kg		9	mg/kg	0.0009 %		
			205-912-4	206-44-0									
27		pyrene				8.3	mg/kg		8.3	mg/kg	0.00083 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				6	mg/kg		6	mg/kg	0.0006 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				4.6	mg/kg		4.6	mg/kg	0.00046 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				6.2	mg/kg		6.2	mg/kg	0.00062 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				2.7	mg/kg		2.7	mg/kg	0.00027 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				6	mg/kg		6	mg/kg	0.0006 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.82	mg/kg		0.82	mg/kg	0.000082 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.105 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0087%)

Classification of sample: MHP08

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

Sample details

Sample name:
MHP08
Sample Depth:
0.3 m
Moisture content:
14%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		43 mg/kg	1.32	56.774 mg/kg	0.00568 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		60 mg/kg	1.126	67.553 mg/kg	0.00676 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	230 mg/kg		230 mg/kg	0.023 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5 mg/kg	1.353	0.677 mg/kg	0.0000677 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		22 mg/kg	2.637	58.007 mg/kg	0.0058 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		210 mg/kg	2.469	518.552 mg/kg	0.0519 %		
11	TPH (C6 to C40) petroleum group			TPH		102 mg/kg		102 mg/kg	0.0102 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				4.8	mg/kg		4.8	mg/kg	0.00048 %		
			201-581-5	85-01-8									
25		anthracene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			204-371-1	120-12-7									
26		fluoranthene				12	mg/kg		12	mg/kg	0.0012 %		
			205-912-4	206-44-0									
27		pyrene				11	mg/kg		11	mg/kg	0.0011 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				6.5	mg/kg		6.5	mg/kg	0.00065 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				5.2	mg/kg		5.2	mg/kg	0.00052 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				5.5	mg/kg		5.5	mg/kg	0.00055 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				5.6	mg/kg		5.6	mg/kg	0.00056 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				2.6	mg/kg		2.6	mg/kg	0.00026 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.67	mg/kg		0.67	mg/kg	0.000067 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.111 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0102%)

Classification of sample: MHP09

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

Sample details

Sample name:
MHP09
Sample Depth:
0.15 m
Moisture content:
19%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17 mg/kg	1.32	22.446 mg/kg	0.00224 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		57 mg/kg	1.126	64.176 mg/kg	0.00642 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	250 mg/kg		250 mg/kg	0.025 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.7 mg/kg	1.353	0.947 mg/kg	0.0000947 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		24 mg/kg	2.637	63.28 mg/kg	0.00633 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		110 mg/kg	2.469	271.623 mg/kg	0.0272 %		
11	TPH (C6 to C40) petroleum group			TPH		<20 mg/kg		<20 mg/kg	<0.002 %		<**LOD**
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				5.8	pH		5.8	pH	5.8 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				0.22	mg/kg		0.22	mg/kg	0.000022 %		
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				0.4	mg/kg		0.4	mg/kg	0.00004 %		
			205-912-4	206-44-0									
27		pyrene				0.37	mg/kg		0.37	mg/kg	0.000037 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0709 %		

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: MHP10

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

Sample details

Sample name:
MHP10
Sample Depth:
0.3 m
Moisture content:
9.9%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		62 mg/kg	1.126	69.805 mg/kg	0.00698 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	380 mg/kg		380 mg/kg	0.038 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1 mg/kg	1.353	1.353 mg/kg	0.000135 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		20 mg/kg	2.637	52.734 mg/kg	0.00527 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120 mg/kg	2.469	296.316 mg/kg	0.0296 %		
11	TPH (C6 to C40) petroleum group			TPH		60 mg/kg		60 mg/kg	0.006 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
20		naphthalene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
			201-581-5	85-01-8									
25		anthracene				0.32	mg/kg		0.32	mg/kg	0.000032 %		
			204-371-1	120-12-7									
26		fluoranthene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
			205-912-4	206-44-0									
27		pyrene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.79	mg/kg		0.79	mg/kg	0.000079 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				0.55	mg/kg		0.55	mg/kg	0.000055 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0911 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.006%)

Classification of sample: MHP11

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

Sample details

Sample name:
MHP11
Sample Depth:
0.3 m
Moisture content:
11%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	23.766 mg/kg	0.00238 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<LOD
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	23.644 mg/kg	0.00236 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	44 mg/kg		44 mg/kg	0.0044 %		
7	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
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		21 mg/kg	2.637	55.37 mg/kg	0.00554 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		35 mg/kg	2.469	86.425 mg/kg	0.00864 %		
11	TPH (C6 to C40) petroleum group			TPH		380 mg/kg		380 mg/kg	0.038 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				9.4	pH		9.4	pH	9.4 pH		
				PH									
20		naphthalene				0.22	mg/kg		0.22	mg/kg	0.000022 %		
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			205-917-1	208-96-8									
22		acenaphthene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
			201-469-6	83-32-9									
23		fluorene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
			201-695-5	86-73-7									
24		phenanthrene				13	mg/kg		13	mg/kg	0.0013 %		
			201-581-5	85-01-8									
25		anthracene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
			204-371-1	120-12-7									
26		fluoranthene				18	mg/kg		18	mg/kg	0.0018 %		
			205-912-4	206-44-0									
27		pyrene				15	mg/kg		15	mg/kg	0.0015 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				8.2	mg/kg		8.2	mg/kg	0.00082 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				6.5	mg/kg		6.5	mg/kg	0.00065 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				7.5	mg/kg		7.5	mg/kg	0.00075 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				7.7	mg/kg		7.7	mg/kg	0.00077 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.93	mg/kg		0.93	mg/kg	0.000093 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				3.8	mg/kg		3.8	mg/kg	0.00038 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0722 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.038%)

Classification of sample: MHP11[2]

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

Sample details

Sample name:
MHP11[2]
Sample Depth:
0.9 m
Moisture content:
16%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		32 mg/kg	1.126	36.028 mg/kg	0.0036 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	19 mg/kg		19 mg/kg	0.0019 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		51 mg/kg	2.637	134.471 mg/kg	0.0134 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		78 mg/kg	2.469	192.605 mg/kg	0.0193 %		
11	TPH (C6 to C40) petroleum group			TPH		24 mg/kg		24 mg/kg	0.0024 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				0.4	mg/kg		0.4	mg/kg	0.00004 %		
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				0.46	mg/kg		0.46	mg/kg	0.000046 %		
			205-912-4	206-44-0									
27		pyrene				0.37	mg/kg		0.37	mg/kg	0.000037 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										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
<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 phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0024%)

Classification of sample: MHP12

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

Sample details

Sample name:
MHP12
Sample Depth:
0.2 m
Moisture content:
4.7%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.6 mg/kg	1.32	11.355 mg/kg	0.00114 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		0.8 mg/kg	1.462	1.169 mg/kg	0.000117 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	16.888 mg/kg	0.00169 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	42 mg/kg		42 mg/kg	0.0042 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		15 mg/kg	2.637	39.55 mg/kg	0.00396 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120 mg/kg	2.469	296.316 mg/kg	0.0296 %		
11	TPH (C6 to C40) petroleum group			TPH		580 mg/kg		580 mg/kg	0.058 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				9.4	pH		9.4	pH	9.4 pH		
				PH									
20		naphthalene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				2	mg/kg		2	mg/kg	0.0002 %		
			205-917-1	208-96-8									
22		acenaphthene				0.65	mg/kg		0.65	mg/kg	0.000065 %		
			201-469-6	83-32-9									
23		fluorene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			201-695-5	86-73-7									
24		phenanthrene				12	mg/kg		12	mg/kg	0.0012 %		
			201-581-5	85-01-8									
25		anthracene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			204-371-1	120-12-7									
26		fluoranthene				20	mg/kg		20	mg/kg	0.002 %		
			205-912-4	206-44-0									
27		pyrene				18	mg/kg		18	mg/kg	0.0018 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				11	mg/kg		11	mg/kg	0.0011 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				9.1	mg/kg		9.1	mg/kg	0.00091 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				12	mg/kg		12	mg/kg	0.0012 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				6	mg/kg		6	mg/kg	0.0006 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				13	mg/kg		13	mg/kg	0.0013 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				6.1	mg/kg		6.1	mg/kg	0.00061 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				7	mg/kg		7	mg/kg	0.0007 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.113 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.058%)

Classification of sample: MHP13

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

Sample details

Sample name:
MHP13
Sample Depth:
0.4 m
Moisture content:
11%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		49 mg/kg	1.32	64.696 mg/kg	0.00647 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	23.644 mg/kg	0.00236 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	160 mg/kg		160 mg/kg	0.016 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		29 mg/kg	2.637	76.464 mg/kg	0.00765 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		45 mg/kg	2.469	111.118 mg/kg	0.0111 %		
11	TPH (C6 to C40) petroleum group			TPH		53 mg/kg		53 mg/kg	0.0053 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				9.3	pH		9.3	pH	9.3 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
			201-581-5	85-01-8									
25		anthracene				0.4	mg/kg		0.4	mg/kg	0.00004 %		
			204-371-1	120-12-7									
26		fluoranthene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			205-912-4	206-44-0									
27		pyrene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				0.76	mg/kg		0.76	mg/kg	0.000076 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				0.54	mg/kg		0.54	mg/kg	0.000054 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				0.59	mg/kg		0.59	mg/kg	0.000059 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.4	mg/kg		0.4	mg/kg	0.00004 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				0.68	mg/kg		0.68	mg/kg	0.000068 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				0.31	mg/kg		0.31	mg/kg	0.000031 %		
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				0.36	mg/kg		0.36	mg/kg	0.000036 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0514 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0053%)

Classification of sample: MHP14

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

Sample details

Sample name:
MHP14
Sample Depth:
0.3 m
Moisture content:
20%
(no 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: 20% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		24 mg/kg	1.32	31.688 mg/kg	0.00317 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		60 mg/kg	1.126	67.553 mg/kg	0.00676 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	150 mg/kg		150 mg/kg	0.015 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6 mg/kg	1.353	0.812 mg/kg	0.0000812 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32 mg/kg	2.637	84.374 mg/kg	0.00844 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120 mg/kg	2.469	296.316 mg/kg	0.0296 %		
11	TPH (C6 to C40) petroleum group			TPH		85 mg/kg		85 mg/kg	0.0085 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				8	pH		8	pH	8pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
			201-581-5	85-01-8									
25		anthracene				0.44	mg/kg		0.44	mg/kg	0.000044 %		
			204-371-1	120-12-7									
26		fluoranthene				5.3	mg/kg		5.3	mg/kg	0.00053 %		
			205-912-4	206-44-0									
27		pyrene				4.3	mg/kg		4.3	mg/kg	0.00043 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				2.7	mg/kg		2.7	mg/kg	0.00027 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				2.5	mg/kg		2.5	mg/kg	0.00025 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				2	mg/kg		2	mg/kg	0.0002 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.076 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0085%)

Classification of sample: MHP15

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

Sample details

Sample name:
MHP15
Sample Depth:
0.3 m
Moisture content:
15%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		72 mg/kg	1.32	95.063 mg/kg	0.00951 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.4 mg/kg	1.142	3.884 mg/kg	0.000388 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		3.4 mg/kg	1.462	4.969 mg/kg	0.000497 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		100 mg/kg	1.126	112.589 mg/kg	0.0113 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	220 mg/kg		220 mg/kg	0.022 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6 mg/kg	1.353	0.812 mg/kg	0.0000812 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		42 mg/kg	2.637	110.741 mg/kg	0.0111 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		190 mg/kg	2.469	469.166 mg/kg	0.0469 %		
11	TPH (C6 to C40) petroleum group			TPH		41 mg/kg		41 mg/kg	0.0041 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				9.3	pH		9.3	pH	9.3 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				0.7	mg/kg		0.7	mg/kg	0.00007 %		
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				2	mg/kg		2	mg/kg	0.0002 %		
			205-912-4	206-44-0									
27		pyrene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.96	mg/kg		0.96	mg/kg	0.000096 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				0.88	mg/kg		0.88	mg/kg	0.000088 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.24	mg/kg		0.24	mg/kg	0.000024 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				0.96	mg/kg		0.96	mg/kg	0.000096 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.109 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: MHP17

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

Sample details

Sample name:
MHP17
Sample Depth:
0.2 m
Moisture content:
23%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		48 mg/kg	1.126	54.043 mg/kg	0.0054 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	240 mg/kg		240 mg/kg	0.024 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5 mg/kg	1.353	0.677 mg/kg	0.0000677 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		26 mg/kg	2.637	68.554 mg/kg	0.00686 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		95 mg/kg	2.469	234.583 mg/kg	0.0235 %		
11	TPH (C6 to C40) petroleum group			TPH		69 mg/kg		69 mg/kg	0.0069 %		
12	confirm TPH has NOT arisen from diesel or petrol					☑					
13	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**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<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									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		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]									
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		pH				7.3	pH		7.3	pH	7.3 pH		
				PH									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				0.42	mg/kg		0.42	mg/kg	0.000042 %		
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			205-912-4	206-44-0									
27		pyrene				0.98	mg/kg		0.98	mg/kg	0.000098 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				0.52	mg/kg		0.52	mg/kg	0.000052 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				0.65	mg/kg		0.65	mg/kg	0.000065 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				0.48	mg/kg		0.48	mg/kg	0.000048 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				0.58	mg/kg		0.58	mg/kg	0.000058 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			205-893-2	193-39-5									
34		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									
35		benzo[ghi]perylene				0.36	mg/kg		0.36	mg/kg	0.000036 %		
			205-883-8	191-24-2									
36		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0709 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0069%)

Classification of sample: MMTP01[2]

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

Sample details

Sample name:
MMTP01[2]
Sample Depth:
0.2 m
Moisture content:
13%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17 mg/kg	1.32	22.446 mg/kg	0.00224 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		4.1 mg/kg	1.142	4.684 mg/kg	0.000468 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.1 mg/kg	1.462	5.992 mg/kg	0.000599 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		96 mg/kg	1.126	108.085 mg/kg	0.0108 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	340 mg/kg		340 mg/kg	0.034 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.7 mg/kg	1.353	2.301 mg/kg	0.00023 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		24 mg/kg	2.637	63.28 mg/kg	0.00633 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		230 mg/kg	2.469	567.938 mg/kg	0.0568 %		
11	TPH (C6 to C40) petroleum group			TPH		360 mg/kg		360 mg/kg	0.036 %		
12	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
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH											
				PH		8.5	pH		8.5	pH	8.5 pH		
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		0.6	mg/kg		0.6	mg/kg	0.00006 %		
20		acenaphthylene											
			205-917-1	208-96-8		2.1	mg/kg		2.1	mg/kg	0.00021 %		
21		acenaphthene											
			201-469-6	83-32-9		1.5	mg/kg		1.5	mg/kg	0.00015 %		
22		fluorene											
			201-695-5	86-73-7		2.9	mg/kg		2.9	mg/kg	0.00029 %		
23		phenanthrene											
			201-581-5	85-01-8		29	mg/kg		29	mg/kg	0.0029 %		
24		anthracene											
			204-371-1	120-12-7		6.6	mg/kg		6.6	mg/kg	0.00066 %		
25		fluoranthene											
			205-912-4	206-44-0		33	mg/kg		33	mg/kg	0.0033 %		
26		pyrene											
			204-927-3	129-00-0		25	mg/kg		25	mg/kg	0.0025 %		
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		16	mg/kg		16	mg/kg	0.0016 %		
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		11	mg/kg		11	mg/kg	0.0011 %		
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		12	mg/kg		12	mg/kg	0.0012 %		
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		7.8	mg/kg		7.8	mg/kg	0.00078 %		
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		13	mg/kg		13	mg/kg	0.0013 %		
32		indeno[123-cd]pyrene											
			205-893-2	193-39-5		6.1	mg/kg		6.1	mg/kg	0.00061 %		
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		1.8	mg/kg		1.8	mg/kg	0.00018 %		
34		benzo[ghi]perylene											
			205-883-8	191-24-2		6.7	mg/kg		6.7	mg/kg	0.00067 %		
35		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.166 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.036%)

Classification of sample: MMTP02[2]

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

Sample details

Sample name:
MMTP02[2]
Sample Depth:
0.4 m
Moisture content:
11%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		19	mg/kg	1.32	25.086	mg/kg	0.00251 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.1	mg/kg	1.142	2.399	mg/kg	0.00024 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.1	mg/kg	1.462	3.069	mg/kg	0.000307 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		86	mg/kg	1.126	96.826	mg/kg	0.00968 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	320	mg/kg		320	mg/kg	0.032 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.7	mg/kg	1.353	0.947	mg/kg	0.0000947 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		24	mg/kg	2.637	63.28	mg/kg	0.00633 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		190	mg/kg	2.469	469.166	mg/kg	0.0469 %		
11	TPH (C6 to C40) petroleum group			TPH		260	mg/kg		260	mg/kg	0.026 %		
12	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
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH		PH		9.4	pH		9.4	pH	9.4 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		acenaphthene	201-469-6	83-32-9		<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		phenanthrene	201-581-5	85-01-8		3.3	mg/kg		3.3	mg/kg	0.00033 %		
24		anthracene	204-371-1	120-12-7		0.72	mg/kg		0.72	mg/kg	0.000072 %		
25		fluoranthene	205-912-4	206-44-0		5.4	mg/kg		5.4	mg/kg	0.00054 %		
26		pyrene	204-927-3	129-00-0		4.6	mg/kg		4.6	mg/kg	0.00046 %		
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		3.7	mg/kg		3.7	mg/kg	0.00037 %		
28		chrysene 601-048-00-0	205-923-4	218-01-9		2.4	mg/kg		2.4	mg/kg	0.00024 %		
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		2.7	mg/kg		2.7	mg/kg	0.00027 %		
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		2.1	mg/kg		2.1	mg/kg	0.00021 %		
31		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		3.1	mg/kg		3.1	mg/kg	0.00031 %		
32		indeno[123-cd]pyrene	205-893-2	193-39-5		1.6	mg/kg		1.6	mg/kg	0.00016 %		
33		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.48	mg/kg		0.48	mg/kg	0.000048 %		
34		benzo[ghi]perylene	205-883-8	191-24-2		1.8	mg/kg		1.8	mg/kg	0.00018 %		
35		phenol 604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.129 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.026%)

Classification of sample: MTP03[3]

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
MTP03[3]
Sample Depth:
0.6 m
Moisture content:
9.8%
(no 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 sulphate: (compound conc.: 0.296%)

Determinands

Moisture content: 9.8% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		26 mg/kg	1.32	34.328 mg/kg	0.00343 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.6 mg/kg	1.142	1.828 mg/kg	0.000183 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.6 mg/kg	1.462	2.338 mg/kg	0.000234 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		65 mg/kg	1.126	73.183 mg/kg	0.00732 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	390 mg/kg		390 mg/kg	0.039 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		6.6 mg/kg	1.353	8.933 mg/kg	0.000893 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		34 mg/kg	2.637	89.647 mg/kg	0.00896 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		1200 mg/kg	2.469	2963.156 mg/kg	0.296 %		
11	TPH (C6 to C40) petroleum group			TPH		879 mg/kg		879 mg/kg	0.0879 %		

#		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									
12		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									
13		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
14		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
15		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
16		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]									
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		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				8.2	mg/kg		8.2	mg/kg	0.00082 %		
			205-917-1	208-96-8									
21		acenaphthene				2.5	mg/kg		2.5	mg/kg	0.00025 %		
			201-469-6	83-32-9									
22		fluorene				7.1	mg/kg		7.1	mg/kg	0.00071 %		
			201-695-5	86-73-7									
23		phenanthrene				73	mg/kg		73	mg/kg	0.0073 %		
			201-581-5	85-01-8									
24		anthracene				24	mg/kg		24	mg/kg	0.0024 %		
			204-371-1	120-12-7									
25		fluoranthene				120	mg/kg		120	mg/kg	0.012 %		
			205-912-4	206-44-0									
26		pyrene				98	mg/kg		98	mg/kg	0.0098 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				53	mg/kg		53	mg/kg	0.0053 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				42	mg/kg		42	mg/kg	0.0042 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				49	mg/kg		49	mg/kg	0.0049 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				15	mg/kg		15	mg/kg	0.0015 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				42	mg/kg		42	mg/kg	0.0042 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				19	mg/kg		19	mg/kg	0.0019 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				6.4	mg/kg		6.4	mg/kg	0.00064 %		
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				18	mg/kg		18	mg/kg	0.0018 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.503 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0879%)

Classification of sample: MTP03[4]

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

Sample details

Sample name:
MTP03[4]
Sample Depth:
1.2 m
Moisture content:
14%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28 mg/kg	1.126	31.525 mg/kg	0.00315 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	26 mg/kg		26 mg/kg	0.0026 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6 mg/kg	1.353	0.812 mg/kg	0.0000812 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		41 mg/kg	2.637	108.104 mg/kg	0.0108 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120 mg/kg	2.469	296.316 mg/kg	0.0296 %		
11	TPH (C6 to C40) petroleum group			TPH		53 mg/kg		53 mg/kg	0.0053 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH		PH		7.7	pH		7.7	pH	7.7 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		acenaphthylene	205-917-1	208-96-8		0.24	mg/kg		0.24	mg/kg	0.000024 %		
21		acenaphthene	201-469-6	83-32-9		0.24	mg/kg		0.24	mg/kg	0.000024 %		
22		fluorene	201-695-5	86-73-7		0.41	mg/kg		0.41	mg/kg	0.000041 %		
23		phenanthrene	201-581-5	85-01-8		4.1	mg/kg		4.1	mg/kg	0.00041 %		
24		anthracene	204-371-1	120-12-7		0.98	mg/kg		0.98	mg/kg	0.000098 %		
25		fluoranthene	205-912-4	206-44-0		4.1	mg/kg		4.1	mg/kg	0.00041 %		
26		pyrene	204-927-3	129-00-0		3.3	mg/kg		3.3	mg/kg	0.00033 %		
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		2	mg/kg		2	mg/kg	0.0002 %		
28		chrysene 601-048-00-0	205-923-4	218-01-9		1.4	mg/kg		1.4	mg/kg	0.00014 %		
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		1.4	mg/kg		1.4	mg/kg	0.00014 %		
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.92	mg/kg		0.92	mg/kg	0.000092 %		
31		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		1.6	mg/kg		1.6	mg/kg	0.00016 %		
32		indeno[123-cd]pyrene	205-893-2	193-39-5		0.66	mg/kg		0.66	mg/kg	0.000066 %		
33		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.21	mg/kg		0.21	mg/kg	0.000021 %		
34		benzo[ghi]perylene	205-883-8	191-24-2		0.75	mg/kg		0.75	mg/kg	0.000075 %		
35		phenol 604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.0573 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0053%)

Classification of sample: MTP04[3]

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

Sample details

Sample name:
MTP04[3]
Sample Depth:
0.5 m
Moisture content:
7.3%
(no 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: 7.3% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		50 mg/kg	1.32	66.016 mg/kg	0.0066 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<LOD
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24 mg/kg	1.126	27.021 mg/kg	0.0027 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	25 mg/kg		25 mg/kg	0.0025 %		
7	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
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		54 mg/kg	2.637	142.381 mg/kg	0.0142 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		99 mg/kg	2.469	244.46 mg/kg	0.0244 %		
11	TPH (C6 to C40) petroleum group			TPH		62 mg/kg		62 mg/kg	0.0062 %		
12	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
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH				9.5	pH		9.5	pH	9.5 pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
			201-469-6	83-32-9									
22		fluorene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
			201-695-5	86-73-7									
23		phenanthrene				0.6	mg/kg		0.6	mg/kg	0.00006 %		
			201-581-5	85-01-8									
24		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				0.54	mg/kg		0.54	mg/kg	0.000054 %		
			205-912-4	206-44-0									
26		pyrene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
33		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									
34		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
36		polychlorobiphenyls; PCB				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0585 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0062%)

Classification of sample: MTP04[4]

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

Sample details

Sample name:
MTP04[4]
Sample Depth:
1.5 m
Moisture content:
18%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		29 mg/kg	1.126	32.651 mg/kg	0.00327 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16 mg/kg		16 mg/kg	0.0016 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		42 mg/kg	2.637	110.741 mg/kg	0.0111 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		72 mg/kg	2.469	177.789 mg/kg	0.0178 %		
11	TPH (C6 to C40) petroleum group			TPH		<20 mg/kg		<20 mg/kg	<0.002 %		<**LOD**
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
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		pH		PH		8.6	pH		8.6	pH	8.6 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21		acenaphthene	201-469-6	83-32-9		<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		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		chrysene 601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		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
32		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		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
34		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
35		phenol 604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
36		polychlorobiphenyls; PCB 602-039-00-4	215-648-1	1336-36-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
										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
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: MTP05[3]

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

Sample details

Sample name:
MTP05[3]
Sample Depth:
0.3 m
Moisture content:
3.1%
(no 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: 3.1% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	15.844 mg/kg	0.00158 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		0.7 mg/kg	1.462	1.023 mg/kg	0.000102 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	13.511 mg/kg	0.00135 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	40 mg/kg		40 mg/kg	0.004 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10 mg/kg	2.637	26.367 mg/kg	0.00264 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		70 mg/kg	2.469	172.851 mg/kg	0.0173 %		
11	TPH (C6 to C40) petroleum group			TPH		223 mg/kg		223 mg/kg	0.0223 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		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]									
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		pH				9	pH		9	pH	9pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				0.33	mg/kg		0.33	mg/kg	0.000033 %		
			201-469-6	83-32-9									
22		fluorene				0.38	mg/kg		0.38	mg/kg	0.000038 %		
			201-695-5	86-73-7									
23		phenanthrene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
			201-581-5	85-01-8									
24		anthracene				1	mg/kg		1	mg/kg	0.0001 %		
			204-371-1	120-12-7									
25		fluoranthene				3.9	mg/kg		3.9	mg/kg	0.00039 %		
			205-912-4	206-44-0									
26		pyrene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				2	mg/kg		2	mg/kg	0.0002 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.84	mg/kg		0.84	mg/kg	0.000084 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.89	mg/kg		0.89	mg/kg	0.000089 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				0.93	mg/kg		0.93	mg/kg	0.000093 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0531 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0223%)

Classification of sample: MTP05[4]

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

Sample details

Sample name:
MTP05[4]
Sample Depth:
0.7 m
Moisture content:
5.1%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		0.6 mg/kg	1.462	0.877 mg/kg	0.0000877 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	60 mg/kg		60 mg/kg	0.006 %		
7	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
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		15 mg/kg	2.637	39.55 mg/kg	0.00396 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		100 mg/kg	2.469	246.93 mg/kg	0.0247 %		
11	TPH (C6 to C40) petroleum group			TPH		460 mg/kg		460 mg/kg	0.046 %		
12	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
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
			205-917-1	208-96-8									
21		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
			201-581-5	85-01-8									
24		anthracene				0.55	mg/kg		0.55	mg/kg	0.000055 %		
			204-371-1	120-12-7									
25		fluoranthene				5.4	mg/kg		5.4	mg/kg	0.00054 %		
			205-912-4	206-44-0									
26		pyrene				5.5	mg/kg		5.5	mg/kg	0.00055 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				3.4	mg/kg		3.4	mg/kg	0.00034 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				2.5	mg/kg		2.5	mg/kg	0.00025 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				2.2	mg/kg		2.2	mg/kg	0.00022 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			205-893-2	193-39-5									
33		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									
34		benzo[ghi]perylene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0897 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.046%)

Classification of sample: MHP01[3]

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

Sample details

Sample name:
MHP01[3]
Sample Depth:
0.2 m
Moisture content:
17%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<LOD
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		52 mg/kg	1.126	58.546 mg/kg	0.00585 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	200 mg/kg		200 mg/kg	0.02 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.1 mg/kg	1.353	1.489 mg/kg	0.000149 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		21 mg/kg	2.637	55.37 mg/kg	0.00554 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		140 mg/kg	2.469	345.701 mg/kg	0.0346 %		
11	TPH (C6 to C40) petroleum group			TPH		59 mg/kg		59 mg/kg	0.0059 %		
12	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
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH											
				PH		7.2	pH		7.2	pH	7.2 pH		
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		acenaphthylene											
			205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		acenaphthene											
			201-469-6	83-32-9		<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		phenanthrene											
			201-581-5	85-01-8		1.5	mg/kg		1.5	mg/kg	0.00015 %		
24		anthracene											
			204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene											
			205-912-4	206-44-0		2.3	mg/kg		2.3	mg/kg	0.00023 %		
26		pyrene											
			204-927-3	129-00-0		2	mg/kg		2	mg/kg	0.0002 %		
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		1	mg/kg		1	mg/kg	0.0001 %		
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		0.87	mg/kg		0.87	mg/kg	0.000087 %		
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		0.95	mg/kg		0.95	mg/kg	0.000095 %		
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		0.43	mg/kg		0.43	mg/kg	0.000043 %		
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		0.9	mg/kg		0.9	mg/kg	0.00009 %		
32		indeno[123-cd]pyrene											
			205-893-2	193-39-5		0.43	mg/kg		0.43	mg/kg	0.000043 %		
33		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**
34		benzo[ghi]perylene											
			205-883-8	191-24-2		0.43	mg/kg		0.43	mg/kg	0.000043 %		
35		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.0767 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0059%)

Classification of sample: MHP01[4]

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

Sample details

Sample name:
MHP01[4]
Sample Depth:
0.8 m
Moisture content:
18%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<LOD
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		26 mg/kg	1.126	29.273 mg/kg	0.00293 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	22 mg/kg		22 mg/kg	0.0022 %		
7	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
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		43 mg/kg	2.637	113.377 mg/kg	0.0113 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		69 mg/kg	2.469	170.381 mg/kg	0.017 %		
11	TPH (C6 to C40) petroleum group			TPH		<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
12	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
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH		PH		7.8	pH		7.8	pH	7.8 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		acenaphthene	201-469-6	83-32-9		<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		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		chrysene 601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		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**
32		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
33		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**
34		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
35		phenol 604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										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
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: MHP02[3]

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

Sample details

Sample name:
MHP02[3]
Sample Depth:
0.45 m
Moisture content:
18%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20 mg/kg	1.32	26.407 mg/kg	0.00264 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<LOD
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		74 mg/kg	1.126	83.316 mg/kg	0.00833 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	620 mg/kg		620 mg/kg	0.062 %		
7	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
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		33 mg/kg	2.637	87.011 mg/kg	0.0087 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		400 mg/kg	2.469	987.719 mg/kg	0.0988 %		
11	TPH (C6 to C40) petroleum group			TPH		73 mg/kg		73 mg/kg	0.0073 %		
12	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
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH											
				PH		8	pH		8	pH	8pH		
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		0.23	mg/kg		0.23	mg/kg	0.000023 %		
20		acenaphthylene											
			205-917-1	208-96-8		0.35	mg/kg		0.35	mg/kg	0.000035 %		
21		acenaphthene											
			201-469-6	83-32-9		0.3	mg/kg		0.3	mg/kg	0.00003 %		
22		fluorene											
			201-695-5	86-73-7		0.3	mg/kg		0.3	mg/kg	0.00003 %		
23		phenanthrene											
			201-581-5	85-01-8		4.9	mg/kg		4.9	mg/kg	0.00049 %		
24		anthracene											
			204-371-1	120-12-7		0.8	mg/kg		0.8	mg/kg	0.00008 %		
25		fluoranthene											
			205-912-4	206-44-0		7.7	mg/kg		7.7	mg/kg	0.00077 %		
26		pyrene											
			204-927-3	129-00-0		6.6	mg/kg		6.6	mg/kg	0.00066 %		
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		4.4	mg/kg		4.4	mg/kg	0.00044 %		
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		3.1	mg/kg		3.1	mg/kg	0.00031 %		
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		3.8	mg/kg		3.8	mg/kg	0.00038 %		
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		2.3	mg/kg		2.3	mg/kg	0.00023 %		
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		3.8	mg/kg		3.8	mg/kg	0.00038 %		
32		indeno[123-cd]pyrene											
			205-893-2	193-39-5		2.1	mg/kg		2.1	mg/kg	0.00021 %		
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		0.64	mg/kg		0.64	mg/kg	0.000064 %		
34		benzo[ghi]perylene											
			205-883-8	191-24-2		2.4	mg/kg		2.4	mg/kg	0.00024 %		
35		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.194 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0073%)

Classification of sample: MHP02[4]

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

Sample details

Sample name:
MHP02[4]
Sample Depth:
1 m
Moisture content:
18%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		37 mg/kg	1.126	41.658 mg/kg	0.00417 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	30 mg/kg		30 mg/kg	0.003 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		60 mg/kg	2.637	158.201 mg/kg	0.0158 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		87 mg/kg	2.469	214.829 mg/kg	0.0215 %		
11	TPH (C6 to C40) petroleum group			TPH		<20 mg/kg		<20 mg/kg	<0.002 %		<**LOD**
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH		PH		8	pH		8	pH	8pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		acenaphthene	201-469-6	83-32-9		<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		phenanthrene	201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene	205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		pyrene	204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		chrysene 601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		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**
32		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
33		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**
34		benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
35		phenol 604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.0502 %		

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: MHP03[2]

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

Sample details

Sample name:
MHP03[2]
Sample Depth:
0.5 m
Moisture content:
14%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15	mg/kg	1.32	19.805	mg/kg	0.00198 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2	mg/kg	1.462	<0.292	mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		86	mg/kg	1.126	96.826	mg/kg	0.00968 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	250	mg/kg		250	mg/kg	0.025 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6	mg/kg	1.353	0.812	mg/kg	0.0000812 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		46	mg/kg	2.637	121.288	mg/kg	0.0121 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		250	mg/kg	2.469	617.324	mg/kg	0.0617 %		
11	TPH (C6 to C40) petroleum group			TPH		35	mg/kg		35	mg/kg	0.0035 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		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]									
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		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
			201-581-5	85-01-8									
24		anthracene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			204-371-1	120-12-7									
25		fluoranthene				3.5	mg/kg		3.5	mg/kg	0.00035 %		
			205-912-4	206-44-0									
26		pyrene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.95	mg/kg		0.95	mg/kg	0.000095 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.118 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0035%)

Classification of sample: MHP04[2]

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

Sample details

Sample name:
MHP04[2]
Sample Depth:
0.3 m
Moisture content:
16%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		23 mg/kg	1.32	30.367 mg/kg	0.00304 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		87 mg/kg	1.126	97.952 mg/kg	0.0098 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	550 mg/kg		550 mg/kg	0.055 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		30 mg/kg	2.637	79.101 mg/kg	0.00791 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		330 mg/kg	2.469	814.868 mg/kg	0.0815 %		
11	TPH (C6 to C40) petroleum group			TPH		110 mg/kg		110 mg/kg	0.011 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		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]									
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		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			201-581-5	85-01-8									
24		anthracene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			204-371-1	120-12-7									
25		fluoranthene				4	mg/kg		4	mg/kg	0.0004 %		
			205-912-4	206-44-0									
26		pyrene				3.6	mg/kg		3.6	mg/kg	0.00036 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				1	mg/kg		1	mg/kg	0.0001 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.36	mg/kg		0.36	mg/kg	0.000036 %		
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.172 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.011%)

Classification of sample: MHP05[3]

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

Sample details

Sample name:
MHP05[3]
Sample Depth:
0.2 m
Moisture content:
14%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		53 mg/kg	1.32	69.977 mg/kg	0.007 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		110 mg/kg	1.126	123.848 mg/kg	0.0124 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	760 mg/kg		760 mg/kg	0.076 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1 mg/kg	1.353	1.353 mg/kg	0.000135 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		35 mg/kg	2.637	92.284 mg/kg	0.00923 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		340 mg/kg	2.469	839.561 mg/kg	0.084 %		
11	TPH (C6 to C40) petroleum group			TPH		160 mg/kg		160 mg/kg	0.016 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH		PH		8.2	pH		8.2	pH	8.2 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		acenaphthylene	205-917-1	208-96-8		0.36	mg/kg		0.36	mg/kg	0.000036 %		
21		acenaphthene	201-469-6	83-32-9		0.21	mg/kg		0.21	mg/kg	0.000021 %		
22		fluorene	201-695-5	86-73-7		0.28	mg/kg		0.28	mg/kg	0.000028 %		
23		phenanthrene	201-581-5	85-01-8		6.6	mg/kg		6.6	mg/kg	0.00066 %		
24		anthracene	204-371-1	120-12-7		1	mg/kg		1	mg/kg	0.0001 %		
25		fluoranthene	205-912-4	206-44-0		13	mg/kg		13	mg/kg	0.0013 %		
26		pyrene	204-927-3	129-00-0		11	mg/kg		11	mg/kg	0.0011 %		
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		5.7	mg/kg		5.7	mg/kg	0.00057 %		
28		chrysene 601-048-00-0	205-923-4	218-01-9		5.6	mg/kg		5.6	mg/kg	0.00056 %		
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		5.7	mg/kg		5.7	mg/kg	0.00057 %		
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		3.3	mg/kg		3.3	mg/kg	0.00033 %		
31		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		6.1	mg/kg		6.1	mg/kg	0.00061 %		
32		indeno[123-cd]pyrene	205-893-2	193-39-5		3	mg/kg		3	mg/kg	0.0003 %		
33		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.8	mg/kg		0.8	mg/kg	0.00008 %		
34		benzo[ghi]perylene	205-883-8	191-24-2		3.4	mg/kg		3.4	mg/kg	0.00034 %		
35		phenol 604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.213 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.016%)

Classification of sample: MHP05[4]

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

Sample details

Sample name:
MHP05[4]
Sample Depth:
0.5 m
Moisture content:
13%
(no 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% No 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		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		43	mg/kg	1.32	56.774	mg/kg	0.00568 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2	mg/kg	1.462	<0.292	mg/kg	<0.0000292 %		<**LOD**
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<**LOD**
5		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
6		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	29	mg/kg		29	mg/kg	0.0029 %		
7		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**
8		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		26	mg/kg	2.637	68.554	mg/kg	0.00686 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
10		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		32	mg/kg	2.469	79.017	mg/kg	0.0079 %		
11		TPH (C6 to C40) petroleum group			TPH		37	mg/kg		37	mg/kg	0.0037 %		
12		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**
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
14		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
15		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH				8.3	pH		8.3	pH	8.3 pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
			201-581-5	85-01-8									
24		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-912-4	206-44-0									
26		pyrene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				0.91	mg/kg		0.91	mg/kg	0.000091 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				0.68	mg/kg		0.68	mg/kg	0.000068 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.82	mg/kg		0.82	mg/kg	0.000082 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.56	mg/kg		0.56	mg/kg	0.000056 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				0.92	mg/kg		0.92	mg/kg	0.000092 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
			205-893-2	193-39-5									
33		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									
34		benzo[ghi]perylene				0.51	mg/kg		0.51	mg/kg	0.000051 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										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
<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 phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0037%)

Classification of sample: MHP06[2]

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

Sample details

Sample name:
MHP06[2]
Sample Depth:
0.3 m
Moisture content:
16%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		43	mg/kg	1.32	56.774	mg/kg	0.00568 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2	mg/kg	1.462	<0.292	mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		76	mg/kg	1.126	85.568	mg/kg	0.00856 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	720	mg/kg		720	mg/kg	0.072 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.6	mg/kg	1.353	2.166	mg/kg	0.000217 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32	mg/kg	2.637	84.374	mg/kg	0.00844 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		220	mg/kg	2.469	543.245	mg/kg	0.0543 %		
11	TPH (C6 to C40) petroleum group			TPH		70	mg/kg		70	mg/kg	0.007 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				0.86	mg/kg		0.86	mg/kg	0.000086 %		
			201-581-5	85-01-8									
24		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
			205-912-4	206-44-0									
26		pyrene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				0.76	mg/kg		0.76	mg/kg	0.000076 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				0.63	mg/kg		0.63	mg/kg	0.000063 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.65	mg/kg		0.65	mg/kg	0.000065 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.5	mg/kg		0.5	mg/kg	0.00005 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				0.74	mg/kg		0.74	mg/kg	0.000074 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.39	mg/kg		0.39	mg/kg	0.000039 %		
			205-893-2	193-39-5									
33		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									
34		benzo[ghi]perylene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.159 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.007%)

Classification of sample: MHP07[2]

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

Sample details

Sample name:
MHP07[2]
Sample Depth:
0.2 m
Moisture content:
19%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		71 mg/kg	1.32	93.743 mg/kg	0.00937 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		72 mg/kg	1.126	81.064 mg/kg	0.00811 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	220 mg/kg		220 mg/kg	0.022 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.9 mg/kg	1.353	1.218 mg/kg	0.000122 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		31 mg/kg	2.637	81.737 mg/kg	0.00817 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		170 mg/kg	2.469	419.78 mg/kg	0.042 %		
11	TPH (C6 to C40) petroleum group			TPH		87 mg/kg		87 mg/kg	0.0087 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		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]									
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		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
			201-581-5	85-01-8									
24		anthracene				0.74	mg/kg		0.74	mg/kg	0.000074 %		
			204-371-1	120-12-7									
25		fluoranthene				9	mg/kg		9	mg/kg	0.0009 %		
			205-912-4	206-44-0									
26		pyrene				8.3	mg/kg		8.3	mg/kg	0.00083 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				6	mg/kg		6	mg/kg	0.0006 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				4.6	mg/kg		4.6	mg/kg	0.00046 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				6.2	mg/kg		6.2	mg/kg	0.00062 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				2.7	mg/kg		2.7	mg/kg	0.00027 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				6	mg/kg		6	mg/kg	0.0006 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.82	mg/kg		0.82	mg/kg	0.000082 %		
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.105 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0087%)

Classification of sample: MHP08[2]

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

Sample details

Sample name:
MHP08[2]
Sample Depth:
0.3 m
Moisture content:
14%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		43 mg/kg	1.32	56.774 mg/kg	0.00568 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		60 mg/kg	1.126	67.553 mg/kg	0.00676 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	230 mg/kg		230 mg/kg	0.023 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5 mg/kg	1.353	0.677 mg/kg	0.0000677 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		22 mg/kg	2.637	58.007 mg/kg	0.0058 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		210 mg/kg	2.469	518.552 mg/kg	0.0519 %		
11	TPH (C6 to C40) petroleum group			TPH		102 mg/kg		102 mg/kg	0.0102 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH		PH		7.8	pH		7.8	pH	7.8 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		acenaphthylene	205-917-1	208-96-8		0.21	mg/kg		0.21	mg/kg	0.000021 %		
21		acenaphthene	201-469-6	83-32-9		<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		phenanthrene	201-581-5	85-01-8		4.8	mg/kg		4.8	mg/kg	0.00048 %		
24		anthracene	204-371-1	120-12-7		1.3	mg/kg		1.3	mg/kg	0.00013 %		
25		fluoranthene	205-912-4	206-44-0		12	mg/kg		12	mg/kg	0.0012 %		
26		pyrene	204-927-3	129-00-0		11	mg/kg		11	mg/kg	0.0011 %		
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		6.5	mg/kg		6.5	mg/kg	0.00065 %		
28		chrysene 601-048-00-0	205-923-4	218-01-9		5.2	mg/kg		5.2	mg/kg	0.00052 %		
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		5.5	mg/kg		5.5	mg/kg	0.00055 %		
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		3.2	mg/kg		3.2	mg/kg	0.00032 %		
31		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		5.6	mg/kg		5.6	mg/kg	0.00056 %		
32		indeno[123-cd]pyrene	205-893-2	193-39-5		2.6	mg/kg		2.6	mg/kg	0.00026 %		
33		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.67	mg/kg		0.67	mg/kg	0.000067 %		
34		benzo[ghi]perylene	205-883-8	191-24-2		2.8	mg/kg		2.8	mg/kg	0.00028 %		
35		phenol 604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.111 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0102%)

Classification of sample: MHP09[2]

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

Sample details

Sample name:
MHP09[2]
Sample Depth:
0.15 m
Moisture content:
19%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17 mg/kg	1.32	22.446 mg/kg	0.00224 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		57 mg/kg	1.126	64.176 mg/kg	0.00642 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	250 mg/kg		250 mg/kg	0.025 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.7 mg/kg	1.353	0.947 mg/kg	0.0000947 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		24 mg/kg	2.637	63.28 mg/kg	0.00633 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		110 mg/kg	2.469	271.623 mg/kg	0.0272 %		
11	TPH (C6 to C40) petroleum group			TPH		<20 mg/kg		<20 mg/kg	<0.002 %		<**LOD**
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH				5.8	pH		5.8	pH	5.8 pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				0.22	mg/kg		0.22	mg/kg	0.000022 %		
			201-581-5	85-01-8									
24		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				0.4	mg/kg		0.4	mg/kg	0.00004 %		
			205-912-4	206-44-0									
26		pyrene				0.37	mg/kg		0.37	mg/kg	0.000037 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
33		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									
34		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0709 %		

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: MHP10[2]

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

Sample details

Sample name:
MHP10[2]
Sample Depth:
0.3 m
Moisture content:
9.9%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		62 mg/kg	1.126	69.805 mg/kg	0.00698 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	380 mg/kg		380 mg/kg	0.038 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1 mg/kg	1.353	1.353 mg/kg	0.000135 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		20 mg/kg	2.637	52.734 mg/kg	0.00527 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120 mg/kg	2.469	296.316 mg/kg	0.0296 %		
11	TPH (C6 to C40) petroleum group			TPH		60 mg/kg		60 mg/kg	0.006 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		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]									
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		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
19		naphthalene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
			201-581-5	85-01-8									
24		anthracene				0.32	mg/kg		0.32	mg/kg	0.000032 %		
			204-371-1	120-12-7									
25		fluoranthene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
			205-912-4	206-44-0									
26		pyrene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.79	mg/kg		0.79	mg/kg	0.000079 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.55	mg/kg		0.55	mg/kg	0.000055 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0911 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.006%)

Classification of sample: MHP11[3]

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

Sample details

Sample name:
MHP11[3]
Sample Depth:
0.3 m
Moisture content:
11%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18	mg/kg	1.32	23.766	mg/kg	0.00238 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2	mg/kg	1.462	<0.292	mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	44	mg/kg		44	mg/kg	0.0044 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		21	mg/kg	2.637	55.37	mg/kg	0.00554 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		35	mg/kg	2.469	86.425	mg/kg	0.00864 %		
11	TPH (C6 to C40) petroleum group			TPH		380	mg/kg		380	mg/kg	0.038 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH		PH		9.4	pH		9.4	pH	9.4 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		0.22	mg/kg		0.22	mg/kg	0.000022 %		
20		acenaphthylene	205-917-1	208-96-8		1.1	mg/kg		1.1	mg/kg	0.00011 %		
21		acenaphthene	201-469-6	83-32-9		0.53	mg/kg		0.53	mg/kg	0.000053 %		
22		fluorene	201-695-5	86-73-7		1.6	mg/kg		1.6	mg/kg	0.00016 %		
23		phenanthrene	201-581-5	85-01-8		13	mg/kg		13	mg/kg	0.0013 %		
24		anthracene	204-371-1	120-12-7		3.1	mg/kg		3.1	mg/kg	0.00031 %		
25		fluoranthene	205-912-4	206-44-0		18	mg/kg		18	mg/kg	0.0018 %		
26		pyrene	204-927-3	129-00-0		15	mg/kg		15	mg/kg	0.0015 %		
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		8.2	mg/kg		8.2	mg/kg	0.00082 %		
28		chrysene 601-048-00-0	205-923-4	218-01-9		6.5	mg/kg		6.5	mg/kg	0.00065 %		
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		7.5	mg/kg		7.5	mg/kg	0.00075 %		
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		3.1	mg/kg		3.1	mg/kg	0.00031 %		
31		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		7.7	mg/kg		7.7	mg/kg	0.00077 %		
32		indeno[123-cd]pyrene	205-893-2	193-39-5		3.3	mg/kg		3.3	mg/kg	0.00033 %		
33		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.93	mg/kg		0.93	mg/kg	0.000093 %		
34		benzo[ghi]perylene	205-883-8	191-24-2		3.8	mg/kg		3.8	mg/kg	0.00038 %		
35		phenol 604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.0722 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.038%)

Classification of sample: MHP11[4]

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

Sample details

Sample name:
MHP11[4]
Sample Depth:
0.9 m
Moisture content:
16%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		32 mg/kg	1.126	36.028 mg/kg	0.0036 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	19 mg/kg		19 mg/kg	0.0019 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		51 mg/kg	2.637	134.471 mg/kg	0.0134 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		78 mg/kg	2.469	192.605 mg/kg	0.0193 %		
11	TPH (C6 to C40) petroleum group			TPH		24 mg/kg		24 mg/kg	0.0024 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH											
				PH		8.1	pH		8.1	pH	8.1 pH		
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		acenaphthylene											
			205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		acenaphthene											
			201-469-6	83-32-9		<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		phenanthrene											
			201-581-5	85-01-8		0.4	mg/kg		0.4	mg/kg	0.00004 %		
24		anthracene											
			204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene											
			205-912-4	206-44-0		0.46	mg/kg		0.46	mg/kg	0.000046 %		
26		pyrene											
			204-927-3	129-00-0		0.37	mg/kg		0.37	mg/kg	0.000037 %		
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		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**
32		indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
33		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**
34		benzo[ghi]perylene											
			205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
35		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										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
<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 phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0024%)

Classification of sample: MHP12[2]

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

Sample details

Sample name:
MHP12[2]
Sample Depth:
0.2 m
Moisture content:
4.7%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.6 mg/kg	1.32	11.355 mg/kg	0.00114 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		0.8 mg/kg	1.462	1.169 mg/kg	0.000117 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	16.888 mg/kg	0.00169 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	42 mg/kg		42 mg/kg	0.0042 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		15 mg/kg	2.637	39.55 mg/kg	0.00396 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120 mg/kg	2.469	296.316 mg/kg	0.0296 %		
11	TPH (C6 to C40) petroleum group			TPH		580 mg/kg		580 mg/kg	0.058 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH		PH		9.4	pH		9.4	pH	9.4 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		0.23	mg/kg		0.23	mg/kg	0.000023 %		
20		acenaphthylene	205-917-1	208-96-8		2	mg/kg		2	mg/kg	0.0002 %		
21		acenaphthene	201-469-6	83-32-9		0.65	mg/kg		0.65	mg/kg	0.000065 %		
22		fluorene	201-695-5	86-73-7		1.7	mg/kg		1.7	mg/kg	0.00017 %		
23		phenanthrene	201-581-5	85-01-8		12	mg/kg		12	mg/kg	0.0012 %		
24		anthracene	204-371-1	120-12-7		2.9	mg/kg		2.9	mg/kg	0.00029 %		
25		fluoranthene	205-912-4	206-44-0		20	mg/kg		20	mg/kg	0.002 %		
26		pyrene	204-927-3	129-00-0		18	mg/kg		18	mg/kg	0.0018 %		
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		11	mg/kg		11	mg/kg	0.0011 %		
28		chrysene 601-048-00-0	205-923-4	218-01-9		9.1	mg/kg		9.1	mg/kg	0.00091 %		
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		12	mg/kg		12	mg/kg	0.0012 %		
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		6	mg/kg		6	mg/kg	0.0006 %		
31		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		13	mg/kg		13	mg/kg	0.0013 %		
32		indeno[123-cd]pyrene	205-893-2	193-39-5		6.1	mg/kg		6.1	mg/kg	0.00061 %		
33		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		1.7	mg/kg		1.7	mg/kg	0.00017 %		
34		benzo[ghi]perylene	205-883-8	191-24-2		7	mg/kg		7	mg/kg	0.0007 %		
35		phenol 604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.113 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.058%)

Classification of sample: MHP13[2]

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

Sample details

Sample name:
MHP13[2]
Sample Depth:
0.4 m
Moisture content:
11%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		49 mg/kg	1.32	64.696 mg/kg	0.00647 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	23.644 mg/kg	0.00236 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	160 mg/kg		160 mg/kg	0.016 %		
7	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**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		29 mg/kg	2.637	76.464 mg/kg	0.00765 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		45 mg/kg	2.469	111.118 mg/kg	0.0111 %		
11	TPH (C6 to C40) petroleum group			TPH		53 mg/kg		53 mg/kg	0.0053 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH											
				PH		9.3	pH		9.3	pH	9.3 pH		
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		acenaphthylene											
			205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		acenaphthene											
			201-469-6	83-32-9		<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		phenanthrene											
			201-581-5	85-01-8		1.9	mg/kg		1.9	mg/kg	0.00019 %		
24		anthracene											
			204-371-1	120-12-7		0.4	mg/kg		0.4	mg/kg	0.00004 %		
25		fluoranthene											
			205-912-4	206-44-0		1.7	mg/kg		1.7	mg/kg	0.00017 %		
26		pyrene											
			204-927-3	129-00-0		1.4	mg/kg		1.4	mg/kg	0.00014 %		
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		0.76	mg/kg		0.76	mg/kg	0.000076 %		
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		0.54	mg/kg		0.54	mg/kg	0.000054 %		
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		0.59	mg/kg		0.59	mg/kg	0.000059 %		
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		0.4	mg/kg		0.4	mg/kg	0.00004 %		
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		0.68	mg/kg		0.68	mg/kg	0.000068 %		
32		indeno[123-cd]pyrene											
			205-893-2	193-39-5		0.31	mg/kg		0.31	mg/kg	0.000031 %		
33		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**
34		benzo[ghi]perylene											
			205-883-8	191-24-2		0.36	mg/kg		0.36	mg/kg	0.000036 %		
35		phenol											
		604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.0514 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0053%)

Classification of sample: MHP14[2]

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

Sample details

Sample name:
MHP14[2]
Sample Depth:
0.3 m
Moisture content:
20%
(no 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: 20% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		24 mg/kg	1.32	31.688 mg/kg	0.00317 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		60 mg/kg	1.126	67.553 mg/kg	0.00676 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	150 mg/kg		150 mg/kg	0.015 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6 mg/kg	1.353	0.812 mg/kg	0.0000812 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32 mg/kg	2.637	84.374 mg/kg	0.00844 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120 mg/kg	2.469	296.316 mg/kg	0.0296 %		
11	TPH (C6 to C40) petroleum group			TPH		85 mg/kg		85 mg/kg	0.0085 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		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]									
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		pH				8	pH		8	pH	8pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
			201-581-5	85-01-8									
24		anthracene				0.44	mg/kg		0.44	mg/kg	0.000044 %		
			204-371-1	120-12-7									
25		fluoranthene				5.3	mg/kg		5.3	mg/kg	0.00053 %		
			205-912-4	206-44-0									
26		pyrene				4.3	mg/kg		4.3	mg/kg	0.00043 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				2.7	mg/kg		2.7	mg/kg	0.00027 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				2.5	mg/kg		2.5	mg/kg	0.00025 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				2	mg/kg		2	mg/kg	0.0002 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.076 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0085%)

Classification of sample: MHP15[2]

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

Sample details

Sample name:
MHP15[2]
Sample Depth:
0.3 m
Moisture content:
15%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		72 mg/kg	1.32	95.063 mg/kg	0.00951 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.4 mg/kg	1.142	3.884 mg/kg	0.000388 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		3.4 mg/kg	1.462	4.969 mg/kg	0.000497 %		
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		100 mg/kg	1.126	112.589 mg/kg	0.0113 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	220 mg/kg		220 mg/kg	0.022 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6 mg/kg	1.353	0.812 mg/kg	0.0000812 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		42 mg/kg	2.637	110.741 mg/kg	0.0111 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		190 mg/kg	2.469	469.166 mg/kg	0.0469 %		
11	TPH (C6 to C40) petroleum group			TPH		41 mg/kg		41 mg/kg	0.0041 %		
12	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
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH				9.3	pH		9.3	pH	9.3 pH		
				PH									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				0.7	mg/kg		0.7	mg/kg	0.00007 %		
			201-581-5	85-01-8									
24		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				2	mg/kg		2	mg/kg	0.0002 %		
			205-912-4	206-44-0									
26		pyrene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.96	mg/kg		0.96	mg/kg	0.000096 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.88	mg/kg		0.88	mg/kg	0.000088 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.24	mg/kg		0.24	mg/kg	0.000024 %		
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				0.96	mg/kg		0.96	mg/kg	0.000096 %		
			205-883-8	191-24-2									
35		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.109 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: MHP17[2]

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

Sample details

Sample name:
MHP17[2]
Sample Depth:
0.2 m
Moisture content:
23%
(no 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% No 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	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.2 mg/kg	1.462	<0.292 mg/kg	<0.0000292 %		<**LOD**
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4 mg/kg	2.27	<9.08 mg/kg	<0.000908 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		48 mg/kg	1.126	54.043 mg/kg	0.0054 %		
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	240 mg/kg		240 mg/kg	0.024 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5 mg/kg	1.353	0.677 mg/kg	0.0000677 %		
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		26 mg/kg	2.637	68.554 mg/kg	0.00686 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		95 mg/kg	2.469	234.583 mg/kg	0.0235 %		
11	TPH (C6 to C40) petroleum group			TPH		69 mg/kg		69 mg/kg	0.0069 %		
12	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**
13	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
14	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
15	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<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									
16		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
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		pH		PH		7.3	pH		7.3	pH	7.3 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		acenaphthene	201-469-6	83-32-9		<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		phenanthrene	201-581-5	85-01-8		0.42	mg/kg		0.42	mg/kg	0.000042 %		
24		anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene	205-912-4	206-44-0		1.1	mg/kg		1.1	mg/kg	0.00011 %		
26		pyrene	204-927-3	129-00-0		0.98	mg/kg		0.98	mg/kg	0.000098 %		
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.52	mg/kg		0.52	mg/kg	0.000052 %		
28		chrysene 601-048-00-0	205-923-4	218-01-9		0.65	mg/kg		0.65	mg/kg	0.000065 %		
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.48	mg/kg		0.48	mg/kg	0.000048 %		
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.43	mg/kg		0.43	mg/kg	0.000043 %		
31		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.58	mg/kg		0.58	mg/kg	0.000058 %		
32		indeno[123-cd]pyrene	205-893-2	193-39-5		0.2	mg/kg		0.2	mg/kg	0.00002 %		
33		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**
34		benzo[ghi]perylene	205-883-8	191-24-2		0.36	mg/kg		0.36	mg/kg	0.000036 %		
35		phenol 604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
										Total:	0.0709 %		

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 no free phase or liquid petroleum. TPH as heavy end aromatic, unlikely to be flammable in soil mixtures at these concenyrations

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0069%)

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

GB MCL index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

- **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

- **confirm TPH has NOT arisen from diesel or petrol**

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: 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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

- **pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

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

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

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

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

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

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

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

GB MCL index number: 602-039-00-4
Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans; POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

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

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. (edit as

required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

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

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

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

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

copper {dicopper oxide; copper (I) oxide}

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

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

no chromate detected

mercury {mercury dichloride}

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

nickel {nickel sulfate}

no chromate or cyanide detected

selenium {nickel selenate}

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

zinc {zinc sulphate}

no chromate detected

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

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

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.103.5089.9622 (13 Apr 2022)
HazWasteOnline Database: 2022.103.5089.9622 (13 Apr 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

IDOM

IDOM 1 Leonard Place, Westerham Road, Keston, Kent BR2 6HQ
t +44 (0)1689 889 980 **e** info.kent@idom.com **idom.com**
Registered in England No. 02740216 Registered office: Cromford Mills, Mill Lane, Matlock, Derbyshire DE4 3RQ
offices Birmingham London Kent Derbyshire Cardiff Manchester Stirling

APPENDIX 2 ▪ Zoning Logs and Data

IDOM

TRIAL PIT LOG

TrialPit No
MHP101
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 06/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.60	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.05			Grass covered, dark brown, silty, slightly sandy clay TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets and rare flint.
							MADE GROUND comprising dark brown, slightly silty, slightly sandy, slightly gravelly, clay. Gravel is fine to coarse, angular to rounded of flint, brick, concrete, chalk and clinker.
	0.55	ES		0.50			MADE GROUND comprising light brown, slightly mottled orange, slightly silty, sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint and brick.
				0.60			End of Pit at 0.600m

1
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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP102
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 06/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.65	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.05	ES		0.05			Grass covered, dark brown, silty, slightly sandy clay TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets, rare metal wiring and rare flint.
	0.40	ES		0.46			MADE GROUND comprising dark brown, slightly silty, slightly sandy, slightly gravelly clay. Gravel is fine to coarse, angular to rounded of flint, brick, roots, concrete, chalk and clinker.
				0.65			MADE GROUND comprising light brown, slightly mottled orange, slightly silty, sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint and brick.
							End of Pit at 0.650m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP103
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 06/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.60	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.05	ES		0.10			Dark brown, silty, sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of leaves, rootlets, flint and rare brick.
	0.50	ES		0.45			MADE GROUND comprising dark brown, slightly silty, slightly sandy, slightly gravelly, slightly cobbly clay. Gravel is fine to coarse, angular to rounded of flint, brick, roots, concrete, glass and clinker. Cobbles are fine, sub-angular of flint.
				0.60			MADE GROUND comprising dark brown, clayey, slightly silty, slightly gravelly sand. Gravel is fine to coarse, angular to rounded of flint, brick, roots, concrete, glass and clinker. Cobbles are fine, sub-angular of flint.
							End of Pit at 0.600m

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4
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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

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TRIAL PIT LOG

TrialPit No
MHP104
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 06/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.70	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.10			Grass covered, dark brown, clayey, slightly sandy silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets and rare flint.
				0.41			MADE GROUND comprising light brown, slightly mottled orange, slightly silty, sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint and brick.
	0.50	ES		0.58			MADE GROUND comprising dark brown and black, slightly clayey, silty, slightly gravelly sand. Gravel is fine to medium, angular to sub-rounded of brick, chalk, coal and clinker.
	0.65	ES		0.70			MADE GROUND comprising light brown, slightly gravelly clay. Gravel is medium to coarse, sub-angular of brick.
							End of Pit at 0.700m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

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TRIAL PIT LOG

TrialPit No
MHP105
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 06/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.75	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.15			Grass covered, dark brown, silty, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, rootlets and flint.
				0.40			MADE GROUND comprising dark brown, clayey, slightly gravelly silt. Gravel is fine to coarse, angular to sub-rounded of brick, sandstone, porcelain tile, flint, chalk, glass and concrete.
	0.70	ES		0.75			MADE GROUND comprising reddish dark brown, slightly clayey, sandy gravel. Gravel is fine to medium, angular to rounded of brick, flint, glass and clinker.
							End of Pit at 0.750m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP106
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 06/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.65	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.10			Grass topped, clayey, slightly sandy, slightly gravelly silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets, flint and brick.
	0.20	ES					
	0.30	ES		0.35			MADE GROUND comprising dark brown, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint, brick and concrete.
	0.40	ES					MADE GROUND comprising light brown, slightly sandy gravelly clay. Gravel is fine to medium, angular to rounded of flint, brick, chalk, concrete, leaves and rare rootlets.
				0.65			End of Pit at 0.650m

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP107
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 06/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.65	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.05			Grass covered, dark brown, slightly clayey, sandy, slightly gravelly silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets, brick and flint.
	0.40	ES		0.37			MADE GROUND comprising dark brown, partially black, slightly clayey, sandy gravelly silt. Gravel is fine to coarse, angular to rounded of brick, flint, concrete, coal, slate, wood, porcelain and clinker.
				0.65			MADE GROUND comprising light brown, gravelly, slightly cobbly clay. Gravel is fine to coarse, angular to sub-rounded of brick, chalk, clinker and flint. Cobbles are fine, angular to sub-rounded of brick.
							End of Pit at 0.650m

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

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TRIAL PIT LOG

TrialPit No
MHP108
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 06/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.64	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.27			MADE GROUND comprising dark brown, very clayey, slightly sandy, slightly gravelly silt. Gravel is fine to medium, angular to sub-rounded of brick, flint, concrete and bark.
	0.60	ES		0.64			MADE GROUND comprising dark brown, very silty, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint and chalk.
							End of Pit at 0.640m

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP109
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 07/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.65	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.15	ES		0.09			Grass covered, dark brown, slightly clayey, sandy, slightly gravelly silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets, brick and flint.
	0.40	ES		0.32			MADE GROUND comprising dark brown, silty, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, chalk and rootlets.
				0.65			MADE GROUND comprising brown, slightly silty, slightly sandy, gravelly, slightly cobbly clay. Gravel is fine to coarse, angular to sub-rounded of brick, roots, flint, concrete, clinker and chalk. Cobbles are fine, sub-rounded of brick.
							End of Pit at 0.650m

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP110
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 07/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.56	Scale 1:25 Logged JB / Checked
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.08			Grass covered, sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of chalk and brick.
	0.40	ES		0.50			MADE GROUND comprising dark brown, silty, sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, concrete, chalk, glass, flint, roots and porcelain.
				0.56			MADE GROUND recovered as greyish pink, sandy gravel. Gravel is fine to medium, sub-angular to sub-rounded of concrete.
							End of Pit at 0.560m

1
2
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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP111
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 07/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.72	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.06			Grass covered, sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of chalk and brick.
	0.30	ES					MADE GROUND comprising dark brown, very silty, sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint, chalk, concrete and glass.
	0.60	ES		0.51			MADE GROUND comprising dark brown, slightly silty, sandy, gravelly, slightly cobbly clay. Gravel is fine to medium, angular to sub-rounded of flint, concrete, brick and chalk. Cobbles are fine to medium, sub-angular to sub-rounded of brick and concrete.
				0.72			End of Pit at 0.720m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No
MHP112
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 07/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.56	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.18			MADE GROUND comprising dark brown, slightly clayey, sandy, slightly gravelly silt. Gravel is fine to medium, angular to sub-rounded of brick, flint, concrete, chalk and rootlets.
	0.50	ES		0.56			MADE GROUND comprising dark brown, silty, sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, concrete, slate, glass, flint and rare clay pipe.
							End of Pit at 0.560m

1
2
3
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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP113
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 07/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.05	ES		0.10			Grass covered, brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and concrete.
	0.40	ES					MADE GROUND comprising dark brown, silty, sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint, concrete, roots, chalk, porcelain, coal and clinker.
				0.63			End of Pit at 0.630m

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP114
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 07/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.66	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.14			Grass covered, dark brown, slightly clayey, sandy, slightly gravelly silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets, brick and flint.
	0.50	ES		0.66			MADE GROUND comprising dark brown, silty, sandy, gravelly, slightly cobbly clay. Gravel is fine to coarse, angular to rounded of brick, flint, concrete, chalk, coal and clinker. Cobbles are fine to medium, sub-angular to sub-rounded of concrete.
							End of Pit at 0.660m

1
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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP115
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 07/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.62	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.05	ES		0.06			Grass covered, dark brown, very clayey, sandy, slightly gravelly silt TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, concrete, flint and coal.
	0.30	ES		0.48			MADE GROUND comprising brown, very silty, sandy, gravelly, slightly cobbly clay. Gravel is fine to coarse, sub-angular to sub-rounded of concrete, brick, slate, flint and roots. Cobbles are fine, sub-angular of concrete.
				0.62			MADE GROUND comprising brown, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of concrete, brick, flint and slate.
							End of Pit at 0.620m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP116
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 07/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES					Light vegetation cover over MADE GROUND comprising brown, silty, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint, rare brick and rare rootlets.
	0.50	ES		0.40			MADE GROUND comprising light brown, clayey, slightly silty, gravelly sand. Gravel is fine to medium, angular to sub-rounded of concrete, flint, brick, clinker and glass.
				0.61			End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP117
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 07/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.21			Light vegetation cover over MADE GROUND comprising dark brown, slightly clayey, sandy, slightly gravelly silt. Gravel is fine to medium, angular to sub-rounded of flint, brick, chalk, concrete and rare rootlets.
							Black, rubber, geometric membrane.
	0.50	ES		0.61			MADE GROUND comprising brown, sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint, concrete, coal, chalk, rare porcelain and rare slate.
							End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP118
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 08/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25 Logged JB / Checked
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.05			Light vegetation and flint gravel cover over MADE GROUND comprising dark brown, clayey, slightly sandy, slightly gravelly silt. Gravel is fine to medium, sub-angular to sub-rounded of flint, brick and rootlets.
				0.20			MADE GROUND comprising dark brown, sandy, slightly gravelly clay. Gravel is fine to medium, sub-angular to sub-rounded of flint, chalk and brick.
	0.40	ES					MADE GROUND comprising light brown, clayey, gravelly sand. Gravel is fine to medium, angular to sub-rounded of concrete, brick, flint, slate and chalk.
				0.61			End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP119
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 08/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.62	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.05			MADE GROUND comprising brown, medium, sub-angular to sub-rounded flint gravel underlain by a plastic, black geotextile membrane.
	0.30	ES		0.37			MADE GROUND comprising greyish brown, sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint, brick and rare glass.
	0.50	ES		0.62			MADE GROUND comprising yellowish light brown, slightly clayey, gravelly sand. Gravel is fine to coarse, angular to sub-rounded of flint, concrete, brick, rare wood and rare metal.
							End of Pit at 0.620m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP120
Sheet 1 of 1

Project Name:	St.Ann's	Project No. 21914J	Co-ords: - Level: 1.20
Date	08/03/2023		
Location:	St.Anns Road, London	Dimensions (m):	Scale 1:25
Equipment:	Hand tools - split spoon, spade, hand auger and breaking bar.	Depth 0.63	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.05	1.15		Grass covered, dark brown, clayey, slightly sandy silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets and rare flint.
							MADE GROUND comprising dark brown, slightly silty, slightly sandy, slightly gravelly, slightly cobbly clay. Gravel is fine to coarse, angular to rounded of brick, concrete, chalk, porcelain, slate and clinker. Cobbles are fine, sub-angular of brick.
	0.55	ES		0.49	0.71		
				0.63	0.57		MADE GROUND comprising light brown, gravelly clay. Gravel is fine to coarse, sub-angular to sub-rounded of brick, concrete, flint, rare wood and rare chalk.
							End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP121
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 08/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.60	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.04			Grass covered, dark brown, clayey, slightly sandy silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets, brick and rare flint.
							MADE GROUND comprising dark brown, silty clay.
	0.55	ES		0.35			MADE GROUND comprising stiff, light brown slightly mottled orange, slightly gravelly clay. Gravel is fine to medium, sub-angular to sub-rounded of flint and concrete.
				0.60			End of Pit at 0.600m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP122
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 08/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.60	Scale 1:25 Logged JB / Checked
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.08			Grass covered, dark brown, clayey, slightly sandy silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets, brick and rare flint.
	0.20	ES					
	0.30	ES					
				0.43			MADE GROUND comprising brown, slightly silty, sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, concrete, clinker and rare slate.
				0.60			MADE GROUND comprising stiff, light brown slightly mottled orange, slightly gravelly clay. Gravel is fine to medium, sub-angular to sub-rounded of flint and concrete.
							End of Pit at 0.600m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP123
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 08/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.52	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10 0.15	ES ES		0.03			Grass covered, dark brown, clayey, slightly sandy silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets and rare flint.
				0.27			MADE GROUND comprising greyish brown, sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint, brick, concrete, roots, chalk, rare slate, rare wood, rare glass and rare potentially asbestos containing cement sheeting.
	0.50	ES		0.52			MADE GROUND comprising greyish brown, gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint, brick, concrete, roots, chalk and rare glass.
							Refusal on tree root.
							End of Pit at 0.520m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

1) Digging refusal on tree root.

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TRIAL PIT LOG

TrialPit No
MHP124
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 08/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.67	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.06			Grass covered, dark brown, clayey, slightly sandy silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets and rare flint.
	0.45	ES		0.48			MADE GROUND comprising brown, sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint, concrete, coal, chalk, wood, rare porcelain and rare glass.
				0.67			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.670m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP125
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 08/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.62	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.09			Grass covered, dark brown, clayey, slightly sandy silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets, brick and rare flint.
							MADE GROUND comprising brown, sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint, concrete, chalk, wood and rare glass.
	0.50	ES		0.43			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.62			End of Pit at 0.620m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP126
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 08/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.64	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.04			Grass covered, dark brown and black, clayey, silty sand TOPSOIL. MADE GROUND comprising black, slightly silty, sandy gravel. Gravel is fine to medium, angular to sub-rounded of coal, clinker, flint, concrete and brick.
	0.50	ES		0.44			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.64			End of Pit at 0.640m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP127
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 08/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.05	ES		0.12			Grass covered, brown, slightly sandy TOPSOIL with frequent rootlets.
	0.30	ES					MADE GROUND comprising brown, slightly silty, slightly sandy, slightly gravelly clay. Gravel is fine to medium, sub-angular to sub-rounded of chalk, flint and brick.
				0.47			*Slow water ingress.*
				0.61			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP128
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 09/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.65	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.13			Grass covered, brown, slightly sandy, slightly gravelly TOPSOIL. Gravel is fine to medium, angular to sub-rounded of flint, brick and rootlets.
	0.40	ES		0.43			MADE GROUND comprising brown, silty, sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, chalk, flint and wood.
				0.65			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.650m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP129
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 09/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.11			Grass covered, dark brown, silty, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of flint, roots and rootlets.
				0.45			MADE GROUND comprising sandy, slightly gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, chalk, flint and roots.
				0.61			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP130
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 09/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.66	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.15	ES		0.06			Grass covered, dark brown, silty, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of flint, roots and rootlets.
	0.30	ES		0.22			MADE GROUND comprising black, slightly silty, sandy gravel. Gravel is fine to medium, angular to sub-rounded of coal, clinker, flint, concrete and brick.
				0.45			MADE GROUND comprising brown, silty, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, chalk, coal and rare wood.
				0.66			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.660m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP131
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 09/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.62	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.14			Grass covered, dark brown, slightly silty, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, chalk, flint and rootlets.
							MADE GROUND comprising dark brown, silty, sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, concrete, flint, chalk and roots.
	0.50	ES		0.51			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.62			End of Pit at 0.620m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP132
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 09/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.09			Grass covered, dark brown, slightly silty, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
				0.44			MADE GROUND comprising dark brown, silty, sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, chalk, flint and rare wood.
				0.61			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP133
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 09/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.62	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.13			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
	0.20	ES					MADE GROUND comprising dark brown, silty, sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, chalk, coal and rare glass.
				0.49			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.62			End of Pit at 0.620m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP134
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 09/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.14			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
	0.40	ES		0.44			MADE GROUND comprising dark brown, silty, sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, chalk and coal.
				0.61			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP135
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 09/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.60	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.15			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
	0.30	ES		0.53			MADE GROUND comprising dark brown, slightly silty, sandy, slightly gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint, roots, concrete and chalk.
				0.60			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.600m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP136
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 09/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.65	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.08			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint, chalk and rootlets.
	0.40	ES		0.47			MADE GROUND comprising dark brown, slightly silty, sandy, slightly gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint, roots, concrete, chalk, wood and rare porcelain.
				0.65			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.650m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP137
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 09/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25 Logged JB / Checked
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.13			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint, chalk and rootlets.
				0.35			MADE GROUND comprising dark brown, slightly silty, sandy, slightly gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint, roots, concrete and rare slate.
				0.61			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP138
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 10/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.69	Scale 1:25 Logged JB / Checked
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.15	ES		0.14			Grass covered, brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint, chalk and rootlets.
	0.30	ES		0.36			MADE GROUND comprising dark brown, slightly silty, slightly sandy, slightly gravelly clay. Gravel is fine to coarse, angular to rounded of flint, brick, concrete and chalk.
				0.69			Stiff, brown slightly mottled orange silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.690m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP139
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 10/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.18			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of flint and rootlets.
	0.50	ES					MADE GROUND comprising yellow and brown, slightly sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, concrete, clinker and rare glass.
				0.63			End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP140
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 10/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.62	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.05			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick and rootlets.
	0.35	ES		0.39			MADE GROUND comprising dark brown, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, porcelain, coal and slate.
				0.62			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.620m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP141
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 10/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.14			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick and rootlets.
							MADE GROUND comprising dark brown, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, coal and slate.
	0.50	ES		0.41			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.63			End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP142
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 10/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.10			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
							MADE GROUND comprising black, slightly silty, sandy gravel. Gravel is fine to medium, angular to sub-rounded of coal, clinker, flint, concrete and brick.
				0.56			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.63			End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP143
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 10/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.67	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.07			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
	0.50	ES					MADE GROUND comprising dark brown, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint, brick and coal.
				0.59			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.67			End of Pit at 0.670m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP144
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - / Level:	Date 10/03/2023
Location: St.Anns Road, London		Dimensions (m): / Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.04			Dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
	0.30	ES					MADE GROUND comprising brown, sandy, gravelly clay. Gravel is fine to coarse, angular to rounded of brick, concrete, flint, chalk, coal, clinker, wood and rare porcelain.
	0.50	ES		0.45			MADE GROUND comprising yellow, clayey, sandy gravel. Gravel is fine to medium, angular to sub-rounded of brick, concrete, coal and flint.
				0.63			End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP145
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 10/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.67	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.06			Dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, wood and rootlets.
				0.39			MADE GROUND comprising dark brown and black, clayey, sandy, gravelly silt. Gravel is fine to medium, angular to sub-rounded of coal, flint, brick, concrete, wood and rare glass.
	0.60	ES		0.53			MADE GROUND comprising dark brown and black, silty, sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of coal, flint, brick, concrete, wood and rare glass.
				0.67			MADE GROUND comprising stiff, brown, slightly mottled orange, silty, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick and coal.
							End of Pit at 0.670m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP146
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25 Logged JB / Checked
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.13			Grass covered, brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
				0.44			MADE GROUND comprising greyish, dark brown, sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, coal, wood and flint.
				0.61			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP147
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.30	ES		0.07			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets. MADE GROUND comprising dark brown, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, rootlets, wood and concrete.
				0.63			End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP148
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.65	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.16			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of chalk, flint and rootlets.
				0.47			MADE GROUND comprising dark brown, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, rootlets, wood and concrete.
				0.65			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.650m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP149
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.67	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.11			Grass covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of chalk, flint and rootlets.
	0.40	ES					MADE GROUND comprising dark brown, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, flint, rootlets, wood and concrete.
				0.57			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.67			End of Pit at 0.670m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP150
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.13			Light vegetation covered, dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of chalk, flint and rootlets.
	0.50	ES					MADE GROUND comprising dark brown, slightly sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-angular of brick, concrete, flint, roots and rare coal.
				0.61			End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP151
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.05	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.04			Grass covered covered, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine, sub-rounded of rootlets.
				0.05			Grey CONCRETE slab.
							End of Pit at 0.050m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

1) Digging refusal on concrete slab.

IDOM

TRIAL PIT LOG

TrialPit No
MHP152
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.61	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.09			Dark brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of chalk, flint, brick and rootlets.
	0.30	ES		0.26			MADE GROUND comprising dark brown, slightly sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of roots, flint, wood and brick.
	0.40	ES		0.34			MADE GROUND comprising greyish light brown, slightly clayey, sandy gravel. Gravel is fine to medium, angular to sub-rounded of concrete, coal, brick, flint and rare plastic.
				0.53			MADE GROUND comprising black, sandy gravel. Gravel is fine to medium, angular to sub-rounded of coal, brick, concrete and flint.
				0.61			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP153
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.62	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.08			Grass covered, brown, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of flint and rootlets.
	0.40	ES					MADE GROUND comprising brown, slightly sandy, gravelly clay. Gravel is fine to medium, sub-angular to sub-rounded of flint, brick, concrete, roots and rare porcelain.
				0.53			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.62			End of Pit at 0.620m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP154
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.09			Grass covered, brown, clayey, slightly gravelly silt TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick and rootlets.
				0.42			MADE GROUND comprising dark brown, slightly sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, concrete, coal, shale and wood.
	0.60	ES		0.63			MADE GROUND comprising brown slightly mottled orange, silty, slightly gravelly clay. Gravel is fine, angular to sub-rounded of shale and brick.
							End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP155
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - / Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.11			Grass covered, dark brown, silty, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
	0.40	ES					MADE GROUND comprising dark brown, sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint, brick, coal, concrete, rare glass and rare polystyrene.
				0.53			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.61			End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP156
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 15/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.66	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.05	ES		0.08			Grass covered, brown, silty, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
	0.20	ES					MADE GROUND comprising dark brown, silty, sandy, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of concrete, flint, brick, coal, rare glass and rare plastic.
				0.51			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.66			End of Pit at 0.660m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP157
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 16/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.68	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.40	ES		0.07			Grass covered, dark brown, silty, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of flint and rootlets. MADE GROUND comprising dark brown, slightly sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint, concrete, chalk and coal.
				0.68			End of Pit at 0.680m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP158
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 16/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.30	ES		0.11			Grass covered, very dark brown, silty, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint and rootlets.
				0.47			MADE GROUND comprising dark brown, slightly silty, slightly sandy, slightly gravelly clay. Gravel is fine to coarse, angular to sub-rounded of flint, brick, concrete, rare metal and rare glass.
				0.63			MADE GROUND comprising brown, slightly silty, very sandy, slightly gravelly clay. Gravel is fine to coarse, angular to sub-rounded of flint, brick, concrete and rare glass.
							End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP159
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 16/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.65	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.15			MADE GROUND comprising very dark brown, slightly clayey, gravelly silt. Gravel is fine to medium, sub-angular to sub-rounded of rootlets, brick and flint.
	0.30	ES		0.23			MADE GROUND comprising brown, slightly mottled orange, silty, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint, coal and brick.
				0.39			MADE GROUND comprising dark brown, silty, sandy, slightly gravelly clay. Gravel is fine to coarse, sub-angular to sub-rounded of concrete, brick, chalk, flint and coal.
	0.60	ES		0.65			MADE GROUND comprising brown, clayey, slightly sandy, slightly gravelly silt. Gravel is fine to medium, sub-angular to sub-rounded of brick, coal and flint.
							End of Pit at 0.650m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP160
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 16/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.05	ES		0.09			MADE GROUND comprising brown, slightly silty, very sandy, slightly gravelly clay. Gravel is fine to coarse, angular to sub-rounded of flint, brick, concrete and rare glass.
	0.40	ES		0.36			MADE GROUND comprising dark brown, silty, sandy, slightly gravelly clay. Gravel is fine to coarse, sub-angular to sub-rounded of concrete, brick, chalk, flint and coal.
				0.59			MADE GROUND comprising brown, slightly mottled orange, silty, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of coal and brick.
				0.63			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.630m

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP161
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 16/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.65	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.11			MADE GROUND comprising dark brown, very silty, sandy, slightly gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, rootlets, bark, flint and asbestos cement board.
	0.30	ES					MADE GROUND comprising dark brown, slightly sandy, slightly gravelly clay. Gravel is fine to medium, sub-angular to sub-rounded of brick, chalk, flint, concrete and coal.
				0.65			End of Pit at 0.650m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP162
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 16/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25 Logged JB / Checked
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.07			Grass covered, very dark brown, silty, slightly gravelly clay TOPSOIL. Gravel is fine to medium, angular to sub-rounded of brick, flint, concrete and rootlets.
				0.43			MADE GROUND comprising dark brown, sandy, very gravelly clay. Gravel is fine to coarse, sub-angular to sub-rounded of flint, concrete, brick, coal and rare chalk.
				0.61			MADE GROUND comprising brown, slightly mottled orange, silty, slightly gravelly CLAY. Gravel is fine to medium, angular to sub-rounded of flint, coal and brick.
							End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP163
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 16/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.05	ES		0.12			Grass covered, dark brown, slightly silty, slightly gravelly, clay TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of flint, brick, coal and rootlets.
	0.15	ES		0.21			MADE GROUND comprising brown, slightly mottled orange, silty, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of flint, rootlets and brick.
				0.63			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

TRIAL PIT LOG

TrialPit No: MHP164
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 16/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.09			Grass covered, dark brown, clayey, slightly gravelly, silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of flint and rootlets.
				0.39			MADE GROUND comprising dark brown, slightly sandy, slightly gravelly clay. Gravel is fine to coarse, angular to sub-rounded of brick, flint, coal, roots and rare concrete.
				0.52			MADE GROUND comprising brown, slightly mottled orange, silty, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of coal and brick.
				0.63			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.630m

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP165
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 16/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.65	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.11			Grass covered, dark brown, clayey, slightly gravelly, silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of rootlets.
	0.30	ES					MADE GROUND comprising dark brown, slightly silty, slightly gravelly clay. Gravel is fine to coarse, sub-angular to sub-rounded of brick, flint, concrete, rare coal and rare porcelain.
				0.57			*Slow water ingress.*
				0.65			MADE GROUND comprising brown, slightly mottled orange, silty, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick.
							End of Pit at 0.650m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP166
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 16/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.61	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.16			Grass covered, dark brown, clayey, slightly gravelly, silt TOPSOIL. Gravel is fine to medium, sub-angular to sub-rounded of flint and rootlets.
	0.50	ES		0.61			MADE GROUND comprising dark brown, slightly silty, slightly sandy, slightly gravelly clay. Gravel is fine to medium, sub-angular to sub-rounded of brick, flint and rootlets.
							End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP167
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 17/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.32	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.17			Grass covered, dark brown, slightly clayey, slightly sandy, slightly gravelly silt TOPSOIL. Gravel is fine, sub-angular to sub-rounded of rootlets, flint and brick.
	0.30	ES		0.32			MADE GROUND comprising dark brown, slightly silty, sandy, gravelly clay. Gravel is fine to coarse, angular to sub-rounded of flint, brick and concrete.
							End of Pit at 0.320m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

1) Digging refusal on concrete slab.

IDOM

TRIAL PIT LOG

TrialPit No
MHP168
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 17/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.61	Scale 1:25 Logged JB / Checked
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.15	ES		0.09			Grass covered, dark brown, slightly silty, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine, sub-angular to sub-rounded of rootlets and brick.
							MADE GROUND comprising dark brown, slightly sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, concrete, flint, coal and rare glass.
				0.53			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.61			End of Pit at 0.610m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP169
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 17/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.62	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.15	ES		0.11			Grass covered, dark brown, slightly silty, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine, sub-angular to sub-rounded of rootlets and flint.
							MADE GROUND comprising brown, slightly sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, concrete, flint and coal.
				0.51			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
				0.62			End of Pit at 0.620m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP170
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 17/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.63	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES		0.13			Grass covered, dark brown, slightly silty, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine, sub-angular to sub-rounded of rootlets, brick and flint.
	0.20	ES					MADE GROUND comprising brown, slightly sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, concrete, flint and coal.
				0.57			MADE GROUND comprising brown, slightly mottled orange, silty, slightly gravelly clay. Gravel is fine to medium, angular to sub-rounded of coal, brick and rare porcelain.
				0.63			End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP171
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 17/03/2023
Location: St.Anns Road, London		Dimensions (m):	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.		Depth 0.63	Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.30	ES		0.08			Grass covered, dark brown, silty, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine, sub-angular to sub-rounded of rootlets, brick and flint.
				0.21			MADE GROUND comprising brown, slightly sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, concrete, flint and coal.
				0.49			MADE GROUND comprising brownish dark red slightly clayey sandy gravel. Gravel is fine to coarse, angular to sub-rounded of brick, flint and porcelain.
				0.63			Stiff, brown slightly mottled orange, silty CLAY. [WEATHERED LONDON CLAY FORMATION]
							End of Pit at 0.630m

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D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP172
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 17/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.65	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.40	ES		0.07			Grass covered, dark brown, silty, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine, sub-angular to sub-rounded of rootlets, brick and flint. MADE GROUND comprising dark brown, silty, sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, concrete, flint, chalk and roots.
				0.65			End of Pit at 0.650m

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

IDOM

TRIAL PIT LOG

TrialPit No
MHP173
Sheet 1 of 1

Project Name: St.Ann's	Project No. 21914J	Co-ords: - Level:	Date 17/03/2023
Location: St.Anns Road, London		Dimensions (m): Depth 0.60	Scale 1:25
Equipment: Hand tools - split spoon, spade, hand auger and breaking bar.			Logged JB / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.20	ES		0.05			Grass covered, dark brown, silty, slightly sandy, slightly gravelly clay TOPSOIL. Gravel is fine, sub-angular to sub-rounded of rootlets, brick and flint.
							MADE GROUND comprising dark brown, silty, sandy, gravelly clay. Gravel is fine to medium, angular to sub-rounded of brick, concrete, flint, chalk and roots.
				0.60			End of Pit at 0.600m

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Joe Bertram
Merebrook
First Floor
1 Leonard Place
Westerham Road
Keston
BR2 6HQ

t: 01689 889980
f: 01689 889981
e: jbertram@idom.com

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

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 23-24284-2

Replaces Analytical Report Number: 23-24284, issue no. 1
Additional analysis undertaken.
Asbestos quantification added as per client's request

Project / Site name:	St Ann`s Hospital	**Samples received on:**	20/03/2023
Your job number:	21914J	**Samples instructed on/ Analysis started on:**	22/03/2023
Your order number:	22-2-FDO-LABS	**Analysis completed by:**	05/04/2023
Report Issue Number:	2	**Report issued on:**	11/04/2023
Samples Analysed:	98 soil samples - 1 bulk sample		

Signed:

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

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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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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625164	2625165	2625166	2625167	2625168
Sample Reference				MHP101	MHP101	MHP102	MHP103	MHP103
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.55	0.05	0.05	0.50
Date Sampled				06/03/2023	06/03/2023	06/03/2023	06/03/2023	06/03/2023
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	18	26	16	9.2
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU	SPU	SPU	SPU
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.7	8.1	6.7	7	7.9
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.012	0.014	0.017	0.047	0.24
Organic Matter (automated)	%	0.1	MCERTS	4.9	1.3	5.5	11	1.9
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.8	0.7	3.2	6.3	1.1
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	0.06	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.2	< 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	0.94	0.35	0.45	0.67	0.3
Anthracene	mg/kg	0.05	MCERTS	0.29	0.09	0.08	0.15	0.05
Fluoranthene	mg/kg	0.05	MCERTS	3.3	0.64	1.3	1.5	0.59
Pyrene	mg/kg	0.05	MCERTS	3.1	0.63	1.2	1.4	0.55
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.8	0.31	0.57	0.72	0.3
Chrysene	mg/kg	0.05	MCERTS	2	0.38	0.7	0.77	0.32
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.7	0.48	0.84	1.1	0.44
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.93	0.17	0.32	0.38	0.17
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2	0.42	0.63	0.83	0.34
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.1	0.25	0.37	0.55	0.21
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.15	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.3	0.29	0.45	0.65	0.23
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	19.7	4.01	6.91	8.92	3.5

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625164	2625165	2625166	2625167	2625168
Sample Reference				MHP101	MHP101	MHP102	MHP103	MHP103
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.55	0.05	0.05	0.50
Date Sampled				06/03/2023	06/03/2023	06/03/2023	06/03/2023	06/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	19	19	17	19	16
Barium (aqua regia extractable)	mg/kg	1	MCERTS	190	240	170	160	130
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	36	42	36	28	25
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	37	42	37	30	25
Copper (aqua regia extractable)	mg/kg	1	MCERTS	74	32	35	59	40
Lead (aqua regia extractable)	mg/kg	1	MCERTS	180	63	120	260	250
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	33	42	31	27	20
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	74	80	74	58	51
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	140	72	120	250	73
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	17	< 10	< 10	13	< 10
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	26	< 10	< 10	18	< 10
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	26	< 10	< 10	25	< 10

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

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625169	2625170	2625171	2625172	2625173
Sample Reference				MHP104	MHP105	MHP106	MHP106	MHP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.70	0.20	0.40	0.20
Date Sampled				06/03/2023	06/03/2023	06/03/2023	06/03/2023	06/03/2023
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	35	< 0.1	51	41
Moisture Content	%	0.01	NONE	17	12	16	13	10
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU	SPU	SPU	SPU

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.1	7.8	7.5	8.1	7.9
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.018	0.0094	0.0066	0.0066	0.013
Organic Matter (automated)	%	0.1	MCERTS	7.4	1.1	3.1	1.3	4.3
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	4.3	0.6	1.8	0.7	2.5

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	0.38	0.34	0.12	< 0.05	0.3
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	2.7	0.33	< 0.05	0.16
Fluorene	mg/kg	0.05	MCERTS	< 0.05	2.5	0.29	< 0.05	0.12
Phenanthrene	mg/kg	0.05	MCERTS	1	16	4.1	0.11	2.5
Anthracene	mg/kg	0.05	MCERTS	0.21	5.1	0.98	< 0.05	0.42
Fluoranthene	mg/kg	0.05	MCERTS	1.6	15	6.5	0.17	4.7
Pyrene	mg/kg	0.05	MCERTS	1.5	12	5.6	0.19	4.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.1	5	2.7	0.09	2.3
Chrysene	mg/kg	0.05	MCERTS	1	4.3	2.5	0.08	2.3
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.2	4.6	3.3	< 0.05	3.1
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.39	2	1.2	< 0.05	1.1
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.95	4.3	2.7	0.09	2.3
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.52	2.2	1.7	< 0.05	1.3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.14	0.5	0.35	< 0.05	0.34
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.59	2.3	1.7	< 0.05	1.4

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	10.7	79.5	34.1	< 0.80	26.5

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625169	2625170	2625171	2625172	2625173
Sample Reference				MHP104	MHP105	MHP106	MHP106	MHP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.70	0.20	0.40	0.20
Date Sampled				06/03/2023	06/03/2023	06/03/2023	06/03/2023	06/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	64	36	20	9.5	56
Barium (aqua regia extractable)	mg/kg	1	MCERTS	510	140	220	74	250
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	29	31	31	17	15
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	30	31	31	17	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	500	44	57	25	100
Lead (aqua regia extractable)	mg/kg	1	MCERTS	1700	170	230	110	330
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1.2	< 0.3	0.7	< 0.3	0.5
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	55	28	28	15	28
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	59	65	32	58
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	200	72	140	34	380
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	12	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	29	13	< 10	12
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	10	25	13	< 10	12
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	17	66	27	< 10	25
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	17	69	27	< 10	25

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625174	2625175	2625176	2625177	2625178
Sample Reference				MHP107	MHP108	MHP109	MHP109	MHP110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.10	0.15	0.40	0.10
Date Sampled				06/03/2023	06/03/2023	07/03/2023	07/03/2023	07/03/2023
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	17	19	16	13	14
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	LFT	LFT	LFT	LFT	LFT
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.9	7.7	7.4	8.4	8.2
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0055	0.01	0.02	0.018	0.023
Organic Matter (automated)	%	0.1	MCERTS	1.7	5.5	5.4	2	4.3
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1	3.2	3.2	1.1	2.5
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	0.17	0.12	0.15	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.35	0.07	< 0.05	0.17
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.28	0.12	0.18	0.15
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.36	0.09	0.17	0.2
Phenanthrene	mg/kg	0.05	MCERTS	0.06	6.4	1.7	2.3	2.3
Anthracene	mg/kg	0.05	MCERTS	< 0.05	1	0.32	0.43	0.71
Fluoranthene	mg/kg	0.05	MCERTS	0.07	12	3.4	2.8	3.8
Pyrene	mg/kg	0.05	MCERTS	0.07	11	3.1	2.5	3.2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	5.1	1.7	1.3	1.7
Chrysene	mg/kg	0.05	MCERTS	< 0.05	5.1	1.7	1.2	1.5
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	6.5	2.4	1.5	2
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	2.5	0.87	0.47	0.7
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	5.2	1.9	1.2	1.6
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	3.4	1.1	0.64	0.79
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.76	0.28	0.13	0.21
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	3.5	1.3	0.64	0.88
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	63.2	20.1	15.5	19.9

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625174	2625175	2625176	2625177	2625178
Sample Reference				MHP107	MHP108	MHP109	MHP109	MHP110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.10	0.15	0.40	0.10
Date Sampled				06/03/2023	06/03/2023	07/03/2023	07/03/2023	07/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	17	38	30	15	17
Barium (aqua regia extractable)	mg/kg	1	MCERTS	140	200	210	110	380
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	15
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	34	27	28	23	72
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	34	27	28	23	73
Copper (aqua regia extractable)	mg/kg	1	MCERTS	37	86	64	34	400
Lead (aqua regia extractable)	mg/kg	1	MCERTS	92	880	420	260	350
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.7	1.6	0.9	0.8	2.2
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	30	25	23	18	44
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	73	61	66	48	44
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	71	160	130	65	850
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	54
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	60
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	2.3	< 2.0	3.6	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	22	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	30	13	13	14
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	< 10	54	20	25	20
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	< 10	54	20	28	90

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

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625179	2625180	2625181	2625182	2625183
Sample Reference				MHP111	MHP111	MHP112	MHP112	MHP113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.60	0.10	0.50	0.40
Date Sampled				07/03/2023	07/03/2023	07/03/2023	07/03/2023	07/03/2023
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	14	19	18	16	14
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	Amosite	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	0.306	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	0.306	-
Asbestos Analyst ID	N/A	N/A	N/A	LFT	LFT	LFT	LFT	LFT
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.8	8.5	7.9	7.8	7.8
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.02	0.033	0.015	0.026	0.0097
Organic Matter (automated)	%	0.1	MCERTS	3	1.4	6.3	2.8	2.2
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.7	0.8	3.7	1.6	1.3
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	0.11
Acenaphthylene	mg/kg	0.05	MCERTS	0.1	0.14	0.17	0.22	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.09	0.13	0.11	0.12	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.08	0.12	0.13	0.16	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	1.2	1.6	1.5	1.9	0.63
Anthracene	mg/kg	0.05	MCERTS	0.34	0.45	0.47	0.56	0.12
Fluoranthene	mg/kg	0.05	MCERTS	2.5	3.4	3.1	4.1	1.3
Pyrene	mg/kg	0.05	MCERTS	2.3	3.1	2.7	3.8	1.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.2	1.6	1.6	2	0.71
Chrysene	mg/kg	0.05	MCERTS	1.2	1.5	1.4	2	0.63
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.6	2	2	2.6	0.92
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.59	0.76	0.8	1.1	0.31
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.3	1.7	1.7	2.1	0.72
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.67	0.8	0.87	1.1	0.39
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.32	0.1
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.74	0.97	0.98	1.3	0.42
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	13.9	18.2	17.4	23.3	7.44

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625179	2625180	2625181	2625182	2625183
Sample Reference				MHP111	MHP111	MHP112	MHP112	MHP113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.60	0.10	0.50	0.40
Date Sampled				07/03/2023	07/03/2023	07/03/2023	07/03/2023	07/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	19	20	17	19	17
Barium (aqua regia extractable)	mg/kg	1	MCERTS	290	130	330	170	120
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	11	0.9	12	1.6	< 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	69	35	68	36	29
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	70	36	68	36	30
Copper (aqua regia extractable)	mg/kg	1	MCERTS	100	35	120	51	36
Lead (aqua regia extractable)	mg/kg	1	MCERTS	190	110	200	180	150
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	3.3	< 0.3	2.5	0.6	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	30	28	34	28	24
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	41	79	43	65	60
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	330	110	380	160	90
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	9.3	10	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	25	< 8.0	49	79	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	11	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	28	< 10	58	91	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	1.3	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	5.6	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	14	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	12	21	20	11	< 10
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	16	42	29	17	12
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	50	42	92	120	12

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

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625184	2625185	2625186	2625187	2625188
Sample Reference				MHP114	MHP114	MHP115	MHP116	MHP117
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.30	0.50	0.10
Date Sampled				07/03/2023	07/03/2023	07/03/2023	07/03/2023	07/03/2023
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	33	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	15	13	14	11
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	SZS	SZS	SZS	SZS	SZS
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.8	7.9	9.5	8.5	8
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.012	0.024	0.19	0.11	0.038
Organic Matter (automated)	%	0.1	MCERTS	4.7	2.1	2.2	2.7	3.4
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.7	1.2	1.2	1.5	2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.13	0.12	0.18
Acenaphthylene	mg/kg	0.05	MCERTS	0.16	< 0.05	0.1	0.17	0.25
Acenaphthene	mg/kg	0.05	MCERTS	0.1	0.22	0.09	0.11	0.23
Fluorene	mg/kg	0.05	MCERTS	0.1	0.17	0.09	0.12	0.31
Phenanthrene	mg/kg	0.05	MCERTS	1.3	3.3	1.6	2.5	4.9
Anthracene	mg/kg	0.05	MCERTS	0.35	0.65	0.37	0.53	1.1
Fluoranthene	mg/kg	0.05	MCERTS	3	5.9	3.2	4.9	6.6
Pyrene	mg/kg	0.05	MCERTS	2.7	5.4	2.9	4.4	5.6
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.5	2.9	1.8	2.6	3.1
Chrysene	mg/kg	0.05	MCERTS	1.5	3.2	1.6	2.7	3.1
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2	3.7	2.3	3.1	3.7
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.79	1.7	0.88	1.9	1.8
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.7	< 0.05	1.9	3.2	3.4
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.88	1.5	1.1	1.6	1.9
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.2	< 0.05	0.29	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1	1.8	1.2	2.1	2.3
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	17.2	30.3	19.6	30	38.5

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625184	2625185	2625186	2625187	2625188
Sample Reference				MHP114	MHP114	MHP115	MHP116	MHP117
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.30	0.50	0.10
Date Sampled				07/03/2023	07/03/2023	07/03/2023	07/03/2023	07/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	22	82	17	17	16
Barium (aqua regia extractable)	mg/kg	1	MCERTS	190	180	200	300	200
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	4	< 0.2	< 0.2	< 0.2	3.9
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	39	33	28	26	34
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	40	33	28	26	35
Copper (aqua regia extractable)	mg/kg	1	MCERTS	66	49	52	40	99
Lead (aqua regia extractable)	mg/kg	1	MCERTS	230	320	300	440	210
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1.3	< 0.3	< 0.3	< 0.3	0.8
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	28	21	21	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	42	68	54	53	42
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	230	190	180	230	280
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	2.3	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	17	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	10	89	17
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	25	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	10	110	25
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	15	< 10	20	16
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	13	19	15	63	22
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	11	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	19	35	21	82	39
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	25	40	32	230	64

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625189	2625190	2625191	2625192	2625193
Sample Reference				MHP117	MHP118	MHP118	MHP119	MHP120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.10	0.40	0.50	0.10
Date Sampled				07/03/2023	08/03/2023	08/03/2023	08/03/2023	08/03/2023
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	58	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	5.9	13	11	10	15
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	SZS	SZS	SZS	SZS	SZS
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.4	8	9.6	10.8	8.4
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.022	0.012	0.36	0.084	0.0075
Organic Matter (automated)	%	0.1	MCERTS	0.6	1.8	1.4	0.8	2.9
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.4	1	0.8	0.5	1.7
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	0.12	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.16	0.06	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	< 0.05	0.19
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.09	0.07	< 0.05	0.15
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	2.2	1.9	0.19	2.6
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.49	0.37	< 0.05	0.94
Fluoranthene	mg/kg	0.05	MCERTS	0.09	4.1	3	0.35	6.5
Pyrene	mg/kg	0.05	MCERTS	0.09	3.5	2.6	0.3	5.5
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	1.7	1.5	< 0.05	2.4
Chrysene	mg/kg	0.05	MCERTS	< 0.05	1.4	1.3	< 0.05	2.6
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	1.9	1.5	0.26	2.4
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.57	0.82	0.12	1.3
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	1.4	1.4	< 0.05	2.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.81	0.98	0.14	1.1
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.18	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	1	1.3	0.17	1.4
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	19.7	16.8	1.53	29.2

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625189	2625190	2625191	2625192	2625193
Sample Reference				MHP117	MHP118	MHP118	MHP119	MHP120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.10	0.40	0.50	0.10
Date Sampled				07/03/2023	08/03/2023	08/03/2023	08/03/2023	08/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9	13	14	13	25
Barium (aqua regia extractable)	mg/kg	1	MCERTS	45	86	150	56	150
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.8	< 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	16	26	22	19	32
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16	26	22	19	32
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	27	57	20	60
Lead (aqua regia extractable)	mg/kg	1	MCERTS	36	70	150	42	120
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	0.6
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	19	17	15	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	29	39	40	33	63
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	29	78	92	180	110
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	8	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	63	14	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	44	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	72	16	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	2.6
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	11	< 10	< 10	14
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	10	37	< 10	17
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	21	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	< 10	21	47	< 10	33
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	< 10	21	180	16	33

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625194	2625195	2625196	2625198	2625199
Sample Reference				MHP121	MHP122	MHP123	MHP123	MHP124
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.55	0.20	0.15	0.50	0.10
Date Sampled				08/03/2023	08/03/2023	08/03/2023	08/03/2023	08/03/2023
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	20	14	13	19	20
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	Chrysotile	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	0.001	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	0.001	-	-
Asbestos Analyst ID	N/A	N/A	N/A	MJN	MJN	MJN	MJN	MJN
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.5	8.5	9.5	7.6	8
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.044	0.0072	0.088	0.024	0.014
Organic Matter (automated)	%	0.1	MCERTS	0.7	1.6	3	2.1	4.9
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.4	0.9	1.7	1.2	2.8
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	1	0.14	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	1.4	0.11	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.67	0.16	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	1.4	0.19	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.11	18	2.8	0.71
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	3.8	0.49	0.15
Fluoranthene	mg/kg	0.05	MCERTS	0.14	0.24	21	3.4	1.4
Pyrene	mg/kg	0.05	MCERTS	0.13	0.27	17	2.8	1.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.15	8.3	1.5	0.79
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.13	7.3	1.3	0.86
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.21	9.2	1.4	0.93
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.06	2.7	0.61	0.53
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.16	7.2	1.1	0.82
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.12	4.3	0.6	0.38
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	1	0.14	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.14	5.3	0.8	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	1.59	109	17.4	7.93

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625194	2625195	2625196	2625198	2625199
Sample Reference				MHP121	MHP122	MHP123	MHP123	MHP124
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.55	0.20	0.15	0.50	0.10
Date Sampled				08/03/2023	08/03/2023	08/03/2023	08/03/2023	08/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15	11	16	15	16
Barium (aqua regia extractable)	mg/kg	1	MCERTS	180	70	410	260	310
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.6	2.3	< 0.2	7.7
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	49	25	40	39	53
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	49	26	40	39	53
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26	21	370	38	120
Lead (aqua regia extractable)	mg/kg	1	MCERTS	30	33	250	340	310
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	1.4
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	52	18	26	31	31
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	87	35	49	75	61
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	74	61	320	100	260
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	12	< 8.0	20
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	12	< 10	22
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	5.1	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	< 10	39	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	< 10	46	< 10	< 10
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	90	< 10	< 10
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	< 10	< 10	100	< 10	25

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625200	2625201	2625202	2625203	2625204
Sample Reference				MHP125	MHP125	MHP126	MHP126	MHP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.10	0.50	0.05
Date Sampled				08/03/2023	08/03/2023	08/03/2023	08/03/2023	08/03/2023
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	16	21	9.5	21	27
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	MJN	N/A	MJN	N/A	MJN
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.6	8.4	9.2	7.4	6.2
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.041	0.012	0.11	0.0096	0.012
Organic Matter (automated)	%	0.1	MCERTS	3.2	1	6.5	1.5	6.1
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.9	0.6	3.8	0.9	3.5
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	0.31	< 0.05	3.5	< 0.05	0.32
Acenaphthylene	mg/kg	0.05	MCERTS	0.12	< 0.05	2.6	< 0.05	0.07
Acenaphthene	mg/kg	0.05	MCERTS	1.2	< 0.05	12	< 0.05	0.06
Fluorene	mg/kg	0.05	MCERTS	1.2	< 0.05	15	< 0.05	0.06
Phenanthrene	mg/kg	0.05	MCERTS	22	0.32	170	0.34	0.95
Anthracene	mg/kg	0.05	MCERTS	6.2	0.09	56	0.08	0.19
Fluoranthene	mg/kg	0.05	MCERTS	26	0.53	230	0.55	2.3
Pyrene	mg/kg	0.05	MCERTS	21	0.43	190	0.46	2.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	8.8	< 0.05	100	< 0.05	1.3
Chrysene	mg/kg	0.05	MCERTS	8.1	< 0.05	83	< 0.05	1.5
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	9.2	0.26	100	0.29	2
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	3.8	0.16	43	0.18	0.9
Benzo(a)pyrene	mg/kg	0.05	MCERTS	7.8	0.24	83	0.25	1.6
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	3.9	0.12	40	0.17	0.82
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	9.3	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4.8	0.13	38	0.19	1
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	124	2.28	1180	2.51	15.2

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625200	2625201	2625202	2625203	2625204
Sample Reference				MHP125	MHP125	MHP126	MHP126	MHP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.10	0.50	0.05
Date Sampled				08/03/2023	08/03/2023	08/03/2023	08/03/2023	08/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	23	12	15	15	21
Barium (aqua regia extractable)	mg/kg	1	MCERTS	240	56	590	94	160
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	3.4	< 0.2	< 0.2	< 0.2	1.4
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	44	18	13	44	35
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	45	18	13	44	35
Copper (aqua regia extractable)	mg/kg	1	MCERTS	81	12	52	30	60
Lead (aqua regia extractable)	mg/kg	1	MCERTS	200	45	24	48	520
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	30	5.6	25	31	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	64	26	55	83	75
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	210	33	72	60	330
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	8.5	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	13	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	53	< 8.0	52	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	10	< 10	45	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	56	< 10	74	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	3.3	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	5.9	< 2.0	48	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	44	< 10	450	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	34	< 10	820	13	12
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	130	18	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	84	< 10	1300	17	18
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	150	< 10	1600	36	18

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

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625205	2625206	2625207	2625208	2625209
Sample Reference				MHP127	MHP128	MHP129	MHP130	MHP130
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.40	0.40	0.15	0.30
Date Sampled				08/03/2023	09/03/2023	09/03/2023	09/03/2023	09/03/2023
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	25	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	24	15	27	17	19
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	MJN	DSO	DSO	DSO	DSO

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7	7.6	7	10	7.3
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.014	0.026	0.019	0.23	0.038
Organic Matter (automated)	%	0.1	MCERTS	4.3	3.2	5.5	11	2.9
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.5	1.9	3.2	6.4	1.7

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	0.14	< 0.05	0.65
Acenaphthylene	mg/kg	0.05	MCERTS	0.08	0.07	< 0.05	2.5	0.07
Acenaphthene	mg/kg	0.05	MCERTS	0.08	0.06	0.2	11	0.88
Fluorene	mg/kg	0.05	MCERTS	0.07	0.08	0.14	13	0.64
Phenanthrene	mg/kg	0.05	MCERTS	1.4	1.1	2.8	190	9
Anthracene	mg/kg	0.05	MCERTS	0.25	0.18	0.73	59	1.8
Fluoranthene	mg/kg	0.05	MCERTS	3.5	2.4	6.6	230	15
Pyrene	mg/kg	0.05	MCERTS	3.2	2.1	5.7	190	14
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.8	1.1	3.3	98	7.3
Chrysene	mg/kg	0.05	MCERTS	2.1	1.2	3.5	79	7
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.4	1.6	4	100	8
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.3	0.8	1.7	32	3.5
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.1	1.3	3.4	76	7.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.1	0.65	1.5	39	3.5
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.46	9.4	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.4	0.78	1.8	37	4

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	20.7	13.5	36	1170	81.8

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625205	2625206	2625207	2625208	2625209
Sample Reference				MHP127	MHP128	MHP129	MHP130	MHP130
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.40	0.40	0.15	0.30
Date Sampled				08/03/2023	09/03/2023	09/03/2023	09/03/2023	09/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	23	22	20	23	20
Barium (aqua regia extractable)	mg/kg	1	MCERTS	160	240	160	830	310
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.9	< 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	33	32	33	15	30
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	34	32	33	17	30
Copper (aqua regia extractable)	mg/kg	1	MCERTS	110	91	66	150	79
Lead (aqua regia extractable)	mg/kg	1	MCERTS	210	710	280	160	1100
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	0.5	< 0.3	1.2
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	29	26	24	35	27
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	73	63	72	63	72
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	150	450	120	200	98
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	3.4	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	34	< 8.0	110	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	130	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	34	< 10	120	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	1.4	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	2.5	37	2.1
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	< 10	17	420	29
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	13	14	23	880	50
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	190	19
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	20	22	43	1300	80
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	20	58	43	1800	99

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625210	2625211	2625212	2625213	2625214
Sample Reference				MHP131	MHP131	MHP132	MHP133	MHP134
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.20	0.20	0.40
Date Sampled				09/03/2023	09/03/2023	09/03/2023	09/03/2023	09/03/2023
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	29	23	23	20	22
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	DSO	DSO	DSO	DSO	DSO

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.4	7.7	7.4	7.5	6.6
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.016	0.0096	0.013	0.013	0.0088
Organic Matter (automated)	%	0.1	MCERTS	6	3.2	3.9	5.2	2.9
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.5	1.9	2.3	3	1.7

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	0.1	0.07	0.06	0.5	0.07
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.93	0.1
Acenaphthene	mg/kg	0.05	MCERTS	0.06	< 0.05	0.08	0.31	0.08
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.07	0.06	0.7	0.08
Phenanthrene	mg/kg	0.05	MCERTS	1	0.95	0.95	12	1.5
Anthracene	mg/kg	0.05	MCERTS	0.19	0.14	0.14	2.5	0.24
Fluoranthene	mg/kg	0.05	MCERTS	2.1	1.4	1.9	25	3.7
Pyrene	mg/kg	0.05	MCERTS	1.9	1.3	1.7	21	3.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.1	0.76	0.89	12	1.9
Chrysene	mg/kg	0.05	MCERTS	1.3	0.94	1.1	11	1.9
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.6	0.71	1.1	13	2
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.7	0.46	0.49	5.3	1.1
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.3	0.73	0.85	11	1.7
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.7	0.37	0.35	5.6	0.92
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.1	0.07	1.3	0.17
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.87	0.47	0.48	5.6	1

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	12.8	8.48	10.2	127	19.8

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625210	2625211	2625212	2625213	2625214
Sample Reference				MHP131	MHP131	MHP132	MHP133	MHP134
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.20	0.20	0.40
Date Sampled				09/03/2023	09/03/2023	09/03/2023	09/03/2023	09/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	20	18	17	40	20
Barium (aqua regia extractable)	mg/kg	1	MCERTS	140	130	160	340	130
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	37	41	32	38	39
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	37	41	33	38	40
Copper (aqua regia extractable)	mg/kg	1	MCERTS	78	50	48	120	72
Lead (aqua regia extractable)	mg/kg	1	MCERTS	280	200	280	1200	280
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	27	28	22	41	25
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	84	88	69	71	84
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	86	140	350	120
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	8.6	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10	34	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10	59	< 10
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	10	< 10	10	100	10
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	10	< 10	10	110	10

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

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625215	2625217	2625218	2625219	2625220
Sample Reference				MHP135	MHP136	MHP137	MHP138	MHP139
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.40	0.20	0.30	0.20
Date Sampled				09/03/2023	09/03/2023	09/03/2023	10/03/2023	10/03/2023
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	26	21	22	20	21
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	DSO	KWB	KWB	KWB	KWB

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.2	6.8	6.8	6.6	7.9
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.027	0.012	0.014	0.013	0.042
Organic Matter (automated)	%	0.1	MCERTS	4.9	3.1	4.5	2.9	3.4
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.8	1.8	2.6	1.7	2

Total Phenols

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

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.14	4.4	0.1	0.06	0.07
Acenaphthylene	mg/kg	0.05	MCERTS	0.35	< 0.05	0.1	< 0.05	0.09
Acenaphthene	mg/kg	0.05	MCERTS	0.23	1.1	0.07	< 0.05	0.08
Fluorene	mg/kg	0.05	MCERTS	0.22	0.65	0.06	< 0.05	0.07
Phenanthrene	mg/kg	0.05	MCERTS	5.4	4.3	1.5	0.19	1.6
Anthracene	mg/kg	0.05	MCERTS	1.1	0.44	0.22	< 0.05	0.31
Fluoranthene	mg/kg	0.05	MCERTS	19	4.2	3.6	0.3	3.5
Pyrene	mg/kg	0.05	MCERTS	17	3.6	3.2	0.24	3.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	9.5	1.9	1.8	0.17	1.8
Chrysene	mg/kg	0.05	MCERTS	8.2	2.3	2	0.22	1.8
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	11	2.5	2.3	0.15	2
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	4.2	0.8	0.92	0.1	1
Benzo(a)pyrene	mg/kg	0.05	MCERTS	8.4	1.9	1.8	0.12	1.8
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	4.2	1	1	0.06	0.88
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.91	0.22	0.19	< 0.05	0.19
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4.6	1	1.1	0.1	1

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	93.6	30.2	20.1	1.71	19.2

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625215	2625217	2625218	2625219	2625220
Sample Reference				MHP135	MHP136	MHP137	MHP138	MHP139
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.40	0.20	0.30	0.20
Date Sampled				09/03/2023	09/03/2023	09/03/2023	10/03/2023	10/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	34	16	24	18	21
Barium (aqua regia extractable)	mg/kg	1	MCERTS	310	100	170	86	120
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	36	38	36	34	39
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	36	38	37	35	40
Copper (aqua regia extractable)	mg/kg	1	MCERTS	170	44	79	49	38
Lead (aqua regia extractable)	mg/kg	1	MCERTS	460	180	1000	120	220
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	2.9	< 0.3	0.7	0.4	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	31	25	28	21	28
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	73	79	78	77	76
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	250	84	170	79	120
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	19
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	22
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	1.5	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	4.3	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	25	10	< 10	< 10	11
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	46	17	14	< 10	30
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	72	33	22	< 10	40
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	72	37	24	12	77

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625221	2625222	2625223	2625224	2625225
Sample Reference				MHP139	MHP140	MHP140	MHP141	MHP142
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.10	0.35	0.50	0.10
Date Sampled				10/03/2023	10/03/2023	10/03/2023	10/03/2023	10/03/2023
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	19	18	20	23	26
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	KWB	KWB	KWB	N/A	KWB
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8	7.8	7.8	7.7	7.1
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.023	0.023	0.011	0.012	0.02
Organic Matter (automated)	%	0.1	MCERTS	2.9	3.4	3	1.1	7.1
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.7	2	1.8	0.6	4.1
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	0.27	0.09	< 0.05	0.17
Acenaphthylene	mg/kg	0.05	MCERTS	0.1	0.55	0.05	< 0.05	0.47
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.67	0.06	< 0.05	0.35
Fluorene	mg/kg	0.05	MCERTS	0.09	0.75	0.06	< 0.05	0.42
Phenanthrene	mg/kg	0.05	MCERTS	1.9	14	1	0.39	8.7
Anthracene	mg/kg	0.05	MCERTS	0.33	3	0.18	< 0.05	1.6
Fluoranthene	mg/kg	0.05	MCERTS	2.8	22	2	0.72	18
Pyrene	mg/kg	0.05	MCERTS	2.4	18	1.7	0.56	16
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.3	9.4	1	0.26	8.3
Chrysene	mg/kg	0.05	MCERTS	1.2	7.7	1.1	0.33	8.2
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.3	9.3	1.1	0.19	9.7
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.63	3.7	0.43	0.12	4.2
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.1	8	0.86	0.16	8.6
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.57	4.1	0.46	0.11	4.6
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.1	0.92	0.1	< 0.05	0.9
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.68	4.4	0.54	0.12	5.3
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	14.5	107	10.6	2.96	96

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625221	2625222	2625223	2625224	2625225
Sample Reference				MHP139	MHP140	MHP140	MHP141	MHP142
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.10	0.35	0.50	0.10
Date Sampled				10/03/2023	10/03/2023	10/03/2023	10/03/2023	10/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	18	39	23	13	24
Barium (aqua regia extractable)	mg/kg	1	MCERTS	120	220	120	82	160
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	41	35	51	30
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	32	41	35	51	30
Copper (aqua regia extractable)	mg/kg	1	MCERTS	41	110	61	34	70
Lead (aqua regia extractable)	mg/kg	1	MCERTS	260	960	280	42	470
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.4	0.9	< 0.3	< 0.3	0.8
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	21	28	22	49	24
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	67	81	79	100	67
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	94	230	100	76	170
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	2.5	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	11	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	17	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	31	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	2.8
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	34	10	< 10	30
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	11	43	14	< 10	60
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	17	78	25	< 10	93
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	24	120	25	< 10	110

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625226	2625227	2625228	2625229	2625230
Sample Reference				MHP143	MHP144	MHP144	MHP145	MHP145
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.30	0.50	0.10	0.60
Date Sampled				10/03/2023	10/03/2023	10/03/2023	10/03/2023	10/03/2023
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	20	13	10	22
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	KWB	KWB	DSA	DSA	DSA
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	6.8	9.2	9.4	8.5	8
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.018	0.081	0.097	0.074	0.018
Organic Matter (automated)	%	0.1	MCERTS	3.1	2.8	1.7	8.3	1.2
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.8	1.6	1	4.8	0.7
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	0.07	0.13	0.3	8.1	0.2
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.07	1.7	60	1.5
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.42	13	0.21
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.05	1.2	44	0.88
Phenanthrene	mg/kg	0.05	MCERTS	0.39	0.72	22	710	16
Anthracene	mg/kg	0.05	MCERTS	0.05	0.13	4.3	150	3.6
Fluoranthene	mg/kg	0.05	MCERTS	0.65	1.3	33	900	29
Pyrene	mg/kg	0.05	MCERTS	0.56	1.3	28	750	27
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.31	0.7	13	360	13
Chrysene	mg/kg	0.05	MCERTS	0.42	0.73	12	330	12
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.34	0.84	15	390	15
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.18	0.35	5.4	130	4.6
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.28	0.68	12	310	12
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.16	0.38	6.4	170	7.2
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.07	1.5	35	1.4
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.21	0.49	6.5	180	9.3
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	3.62	7.92	163	4540	152

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625226	2625227	2625228	2625229	2625230
Sample Reference				MHP143	MHP144	MHP144	MHP145	MHP145
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.30	0.50	0.10	0.60
Date Sampled				10/03/2023	10/03/2023	10/03/2023	10/03/2023	10/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	20	18	14	13	18
Barium (aqua regia extractable)	mg/kg	1	MCERTS	120	110	99	390	120
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	1.3	< 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	31	37	20	15	52
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	31	37	20	16	52
Copper (aqua regia extractable)	mg/kg	1	MCERTS	62	94	41	33	39
Lead (aqua regia extractable)	mg/kg	1	MCERTS	210	180	130	280	72
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.8	0.6	0.4	0.8	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	21	38	19	17	49
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	66	77	40	29	110
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	98	160	170	330	94
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	63	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	3.2	4.1	140	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	8.8	190	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	27	31	420	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	150	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	33	43	800	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	12	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	3.3	11	600	8.4
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	< 10	78	4000	53
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	22	110	5200	53
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	270	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	< 10	31	200	9800	110
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	< 10	76	250	11000	120

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

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625231	2625232	2625233	2625234	2625235
Sample Reference				MHP146	MHP147	MHP148	MHP149	MHP150
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.30	0.10	0.40	0.50
Date Sampled				15/03/2023	15/03/2023	15/03/2023	15/03/2023	15/03/2023
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	16	20	22	12	15
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	DSA	DSA	DSA	DSA	DSA
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.7	7.4	7.4	8.3	10.9
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.03	0.01	0.01	0.016	0.071
Organic Matter (automated)	%	0.1	MCERTS	5.1	3.8	3.8	1.2	2.7
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.9	2.2	2.2	0.7	1.6
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	0.2	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.1	0.11	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.2	0.16	0.05	< 0.05	0.06
Fluorene	mg/kg	0.05	MCERTS	0.19	0.22	< 0.05	< 0.05	0.05
Phenanthrene	mg/kg	0.05	MCERTS	2.1	3.2	0.94	0.4	1.4
Anthracene	mg/kg	0.05	MCERTS	0.38	0.63	0.15	0.14	0.27
Fluoranthene	mg/kg	0.05	MCERTS	3.7	3.9	2.2	0.83	3
Pyrene	mg/kg	0.05	MCERTS	3.3	3.4	2	0.74	2.6
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.8	1.8	0.98	0.4	1.6
Chrysene	mg/kg	0.05	MCERTS	1.7	1.6	1.1	0.44	1.4
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.2	1.8	1.3	0.54	1.8
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.99	0.76	0.59	0.21	0.76
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.6	1.5	1.1	0.41	1.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.1	0.76	0.7	0.26	0.97
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.2	0.2	< 0.05	< 0.05	0.22
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.4	0.96	0.89	0.38	1.2
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	21.1	21	12	4.75	16.9

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625231	2625232	2625233	2625234	2625235
Sample Reference				MHP146	MHP147	MHP148	MHP149	MHP150
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.30	0.10	0.40	0.50
Date Sampled				15/03/2023	15/03/2023	15/03/2023	15/03/2023	15/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	99	17	17	20	16
Barium (aqua regia extractable)	mg/kg	1	MCERTS	730	120	120	99	330
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	9.8
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	34	33	36	47	60
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	36	33	36	47	60
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68	49	39	41	120
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2000	180	170	73	270
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.5	< 0.3	< 0.3	1
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	55	23	24	41	30
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	74	73	76	95	57
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	770	98	85	96	340
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	2.3	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	29
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	11	< 10	< 10	< 10	35
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	7.3	4.6	< 2.0	< 2.0	4.2
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	12	< 10	< 10	12
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	30	23	10	< 10	22
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	17	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	46	40	15	< 10	37
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	74	45	21	< 10	78

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625236	2625237	2625238	2625239	2625240
Sample Reference				MHP152	MHP152	MHP153	MHP154	MHP155
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.40	0.40	0.60	0.40
Date Sampled				15/03/2023	15/03/2023	15/03/2023	15/03/2023	15/03/2023
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	15	13	15	17	16
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	DSA	DSA	JBH	JBH	JBH

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	10.3	10.8	9.6	7.7	8.6
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.16	0.17	0.15	0.0086	0.077
Organic Matter (automated)	%	0.1	MCERTS	3.5	6.5	2.3	1.2	4.2
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.1	3.8	1.4	0.7	2.4

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	0.16	3.7	0.12	< 0.05	1.5
Acenaphthylene	mg/kg	0.05	MCERTS	0.24	14	0.07	< 0.05	4.6
Acenaphthene	mg/kg	0.05	MCERTS	0.48	22	0.23	< 0.05	1.5
Fluorene	mg/kg	0.05	MCERTS	0.46	26	0.17	< 0.05	4.1
Phenanthrene	mg/kg	0.05	MCERTS	9	330	5.4	0.18	61
Anthracene	mg/kg	0.05	MCERTS	2.2	79	1.3	< 0.05	11
Fluoranthene	mg/kg	0.05	MCERTS	15	380	9.9	0.29	83
Pyrene	mg/kg	0.05	MCERTS	13	310	8.3	0.29	71
Benzo(a)anthracene	mg/kg	0.05	MCERTS	7.2	140	4.9	0.17	36
Chrysene	mg/kg	0.05	MCERTS	6.5	130	4.4	0.14	32
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	8.2	150	5.7	0.2	39
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	2.5	53	1.7	< 0.05	13
Benzo(a)pyrene	mg/kg	0.05	MCERTS	6.3	120	4.3	0.15	32
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	3.7	65	2.6	< 0.05	19
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.76	16	0.57	< 0.05	4.1
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4.5	73	3.2	< 0.05	23

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	79.4	1910	52.9	1.42	435

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625236	2625237	2625238	2625239	2625240
Sample Reference				MHP152	MHP152	MHP153	MHP154	MHP155
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.40	0.40	0.60	0.40
Date Sampled				15/03/2023	15/03/2023	15/03/2023	15/03/2023	15/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	21	33	19	16	27
Barium (aqua regia extractable)	mg/kg	1	MCERTS	350	350	380	180	320
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	12	3.2	7	< 0.2	8.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	61	27	48	33	48
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	61	27	48	33	48
Copper (aqua regia extractable)	mg/kg	1	MCERTS	220	51	86	28	110
Lead (aqua regia extractable)	mg/kg	1	MCERTS	310	270	620	220	300
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1.3	< 0.3	0.6	< 0.3	1.4
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	35	23	28	26	32
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	46	45	63	71	56
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	360	170	320	65	300
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	2	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	16	< 8.0	< 8.0	9.2
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	35	36	29	< 8.0	54
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	12
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	43	54	31	< 10	63
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	2.8	< 1.0	< 1.0	1.9
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	4.5	92	2.3	< 2.0	19
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	43	690	25	< 10	180
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	61	780	60	< 10	230
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	78	< 10	< 10	19
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	110	1600	87	< 10	430
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	150	1700	130	< 10	530

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

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625241	2625242	2625243	2625244	2625245
Sample Reference				MHP156	MHP157	MHP158	MHP159	MHP159
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.40	0.30	0.30	0.60
Date Sampled				15/03/2023	16/03/2023	16/03/2023	16/03/2023	16/03/2023
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	14	19	16	23	17
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	JBH	JBH	JBH	JBH	JBH

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.4	7.2	7.9	7.1	5.8
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.11	0.016	0.043	0.029	0.079
Organic Matter (automated)	%	0.1	MCERTS	3.5	2.5	3.7	6.7	4.2
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2	1.4	2.2	3.9	2.4

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	0.12	< 0.05	0.05	0.11	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.42	< 0.05	< 0.05	0.29	0.13
Acenaphthene	mg/kg	0.05	MCERTS	0.12	< 0.05	0.07	0.23	0.11
Fluorene	mg/kg	0.05	MCERTS	0.48	< 0.05	0.08	0.26	0.1
Phenanthrene	mg/kg	0.05	MCERTS	7.8	0.72	1.1	6.2	1.7
Anthracene	mg/kg	0.05	MCERTS	1.8	0.18	0.23	1.2	0.51
Fluoranthene	mg/kg	0.05	MCERTS	11	1.7	2.4	11	4
Pyrene	mg/kg	0.05	MCERTS	8.5	1.5	2.2	9.7	3.5
Benzo(a)anthracene	mg/kg	0.05	MCERTS	4.9	0.89	1.4	4.9	2.1
Chrysene	mg/kg	0.05	MCERTS	3.8	0.86	1.1	4.6	1.9
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	5.2	1.3	1.7	6.3	3
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.7	0.49	0.67	2.5	0.84
Benzo(a)pyrene	mg/kg	0.05	MCERTS	3.9	1.1	1.4	5.1	2.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.4	0.61	0.76	2.7	1.3
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	2.5	0.64	0.83	2.8	1.4

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	54.3	9.9	14	57.9	22.8

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625241	2625242	2625243	2625244	2625245
Sample Reference				MHP156	MHP157	MHP158	MHP159	MHP159
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.40	0.30	0.30	0.60
Date Sampled				15/03/2023	16/03/2023	16/03/2023	16/03/2023	16/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	17	20	16	47	36
Barium (aqua regia extractable)	mg/kg	1	MCERTS	430	160	450	220	160
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	7.5	< 0.2	15	< 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	43	35	74	39	34
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	43	35	75	40	34
Copper (aqua regia extractable)	mg/kg	1	MCERTS	91	57	150	91	81
Lead (aqua regia extractable)	mg/kg	1	MCERTS	700	290	250	410	290
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.8	0.6	1.9	1.6	1.1
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	26	36	54	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	43	77	50	210	89
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	370	110	540	340	150
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	15	< 2.0	< 2.0	2.1	3.7
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	86	< 8.0	12	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	380	< 8.0	69	9.1	13
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	120	< 10	16	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	480	< 10	82	13	22
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	6.2	< 2.0	< 2.0	2.8	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	72	< 10	11	19	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	380	< 10	33	38	16
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	95	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	460	11	43	60	22
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	1200	11	150	79	50

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625246	2625247	2625248	2625249	2625250
Sample Reference				MHP160	MHP160	MHP161	MHP161	MHP162
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.05	0.40	0.10	0.30	0.20
Date Sampled				16/03/2023	16/03/2023	16/03/2023	16/03/2023	16/03/2023
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	30	21	30	24	11
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	Chrysotile	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	3.582	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	3.58	-	-
Asbestos Analyst ID	N/A	N/A	N/A	JBH	JBH	WEM	WEM	WEM
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.7	7.9	7.5	7.5	8.3
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.018	0.015	0.016	0.014	0.093
Organic Matter (automated)	%	0.1	MCERTS	8.8	2.5	8.5	5.6	3.3
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	5.1	1.4	4.9	3.3	1.9
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	0.55	0.23	0.16	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.14	0.07	0.35	0.08	0.52
Acenaphthene	mg/kg	0.05	MCERTS	0.58	< 0.05	0.1	0.1	1.3
Fluorene	mg/kg	0.05	MCERTS	0.46	< 0.05	0.33	0.09	1.4
Phenanthrene	mg/kg	0.05	MCERTS	5.8	0.8	4	1.8	19
Anthracene	mg/kg	0.05	MCERTS	2	0.16	0.74	0.41	6.4
Fluoranthene	mg/kg	0.05	MCERTS	10	1.8	5.4	4.2	55
Pyrene	mg/kg	0.05	MCERTS	9.8	1.5	4.5	3.7	48
Benzo(a)anthracene	mg/kg	0.05	MCERTS	9	0.82	2.2	2.1	30
Chrysene	mg/kg	0.05	MCERTS	7.2	0.78	2	1.8	22
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	13	1.1	2.6	2.5	31
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	3.8	0.38	1.1	0.97	8.5
Benzo(a)pyrene	mg/kg	0.05	MCERTS	11	0.84	2.3	2	22
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	4.7	0.5	1.3	1	12
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.13	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4.7	0.59	1.4	1.2	12
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	82.8	9.74	28.4	21.8	269

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625246	2625247	2625248	2625249	2625250
Sample Reference				MHP160	MHP160	MHP161	MHP161	MHP162
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.05	0.40	0.10	0.30	0.20
Date Sampled				16/03/2023	16/03/2023	16/03/2023	16/03/2023	16/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	23	20	20	22	74
Barium (aqua regia extractable)	mg/kg	1	MCERTS	130	140	150	130	210
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	29	46	33	38	23
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	30	46	34	38	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	46	46	68	66	34
Lead (aqua regia extractable)	mg/kg	1	MCERTS	340	130	300	220	100
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	0.5	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	39	25	28	19
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	65	92	70	78	38
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	140	250	180	140	89
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	4.7	< 2.0	4	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	16	< 8.0	13	< 8.0	9.9
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	26	< 10	21	< 10	13
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	4	2.9	4.2	< 2.0	9.9
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	20	< 10	11	< 10	170
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	56	< 10	15	14	260
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	19
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	81	17	30	23	430
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	120	23	51	26	470

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

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625251	2625252	2625253	2625254	2625255
Sample Reference				MHP163	MHP163	MHP164	MHP165	MHP166
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.05	0.15	0.20	0.30	0.50
Date Sampled				16/03/2023	16/03/2023	16/03/2023	16/03/2023	16/03/2023
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	22	19	22	18	17
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	WEM	WEM	WEM	WEM	WEM
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8	7.9	7.6	7	6.1
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0073	0.008	0.0082	0.0092	0.0052
Organic Matter (automated)	%	0.1	MCERTS	3.1	1.9	4.9	4.7	4
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.8	1.1	2.8	2.7	2.3
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	0.14	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.14	< 0.05	0.12	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.08	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.07	< 0.05	0.11	0.06	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	1.2	0.38	1.5	0.91	0.29
Anthracene	mg/kg	0.05	MCERTS	0.24	0.08	0.4	0.16	0.06
Fluoranthene	mg/kg	0.05	MCERTS	3.2	1	3.3	1.7	0.55
Pyrene	mg/kg	0.05	MCERTS	2.7	0.87	2.8	1.5	0.52
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.5	0.5	2.2	0.86	0.36
Chrysene	mg/kg	0.05	MCERTS	1.6	0.52	1.8	0.91	0.35
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.3	0.76	2.4	1.3	0.53
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.63	0.22	0.85	0.48	0.12
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.7	0.57	1.8	0.97	0.39
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.99	0.32	0.8	0.61	0.24
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	1.1	0.37	0.84	0.69	0.27
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	17.4	5.59	19	10.4	3.68

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625251	2625252	2625253	2625254	2625255
Sample Reference				MHP163	MHP163	MHP164	MHP165	MHP166
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.05	0.15	0.20	0.30	0.50
Date Sampled				16/03/2023	16/03/2023	16/03/2023	16/03/2023	16/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	16	17	15	18	16
Barium (aqua regia extractable)	mg/kg	1	MCERTS	130	120	140	150	180
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	41	49	31	27	24
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	41	49	31	27	26
Copper (aqua regia extractable)	mg/kg	1	MCERTS	38	31	32	81	72
Lead (aqua regia extractable)	mg/kg	1	MCERTS	110	73	130	350	350
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	2.1	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	30	33	23	24	24
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	78	86	68	63	58
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	95	83	88	160	100
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	8.3	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	15	< 10	22	< 10	< 10
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	23	< 10	31	14	< 10
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	30	< 10	35	26	< 10

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

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625256	2625257	2625258	2625259	2625260
Sample Reference				MHP167	MHP167	MHP168	MHP169	MHP170
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.30	0.15	0.15	0.10
Date Sampled				17/03/2023	17/03/2023	17/03/2023	17/03/2023	17/03/2023
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	17	17	24	22
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5
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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	WEM	WEM	SZS	SZS	SZS

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.5	8.7	7.8	5.7	5.7
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0096	0.057	0.01	0.0084	0.014
Organic Matter (automated)	%	0.1	MCERTS	8.5	6	3	7.4	8.1
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	4.9	3.5	1.7	4.3	4.7

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	0.27	0.54	0.08	1.3	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.74	0.51	0.06	0.06	0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.3	0.7	< 0.05	0.3	0.1
Fluorene	mg/kg	0.05	MCERTS	0.34	0.67	< 0.05	0.23	0.08
Phenanthrene	mg/kg	0.05	MCERTS	8.2	12	1	3.9	1.5
Anthracene	mg/kg	0.05	MCERTS	1.7	2.6	0.24	0.57	0.28
Fluoranthene	mg/kg	0.05	MCERTS	22	23	3.8	5.3	3.1
Pyrene	mg/kg	0.05	MCERTS	19	19	3.6	4.5	2.7
Benzo(a)anthracene	mg/kg	0.05	MCERTS	10	11	2	2.1	1.3
Chrysene	mg/kg	0.05	MCERTS	11	10	2	2.3	1.5
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	14	13	2.5	2.8	1.8
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	5	4.5	1	0.91	0.65
Benzo(a)pyrene	mg/kg	0.05	MCERTS	11	11	2.2	2	1.4
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	6.3	6.4	1.1	1.2	0.77
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	2	1.4	0.36	0.39	0.24
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	7.1	7.9	1.3	1.3	0.9

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	118	125	21.1	29.2	16.4

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625256	2625257	2625258	2625259	2625260
Sample Reference				MHP167	MHP167	MHP168	MHP169	MHP170
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.30	0.15	0.15	0.10
Date Sampled				17/03/2023	17/03/2023	17/03/2023	17/03/2023	17/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	20	19	23	34	20
Barium (aqua regia extractable)	mg/kg	1	MCERTS	150	160	140	170	160
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1	1	< 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	30	30	36	32	27
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	31	31	36	33	28
Copper (aqua regia extractable)	mg/kg	1	MCERTS	98	85	75	98	77
Lead (aqua regia extractable)	mg/kg	1	MCERTS	420	370	150	350	340
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.5	< 0.3	1.1	2.7
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	24	22	26	28	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	70	65	98	77	65
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	240	220	120	140	150
Monoaromatics & Oxygenates								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	4.7	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	15	14	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	25	18	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	1.5	1.1	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	4	9.2	3.5	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	34	80	10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	77	130	23	20	16
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	16	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	110	230	38	30	23
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	150	260	42	34	26

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625261	2625262	2625263
Sample Reference				MHP171	MHP172	MHP173
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.40	0.20
Date Sampled				Deviating	Deviating	Deviating
Time Taken				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
Moisture Content	%	0.01	NONE	15	13	21
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5

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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	SZS	SZS	SZS

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.9	7.7	7
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.016	0.013	0.038
Organic Matter (automated)	%	0.1	MCERTS	1.8	2.1	9.5
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.1	1.2	5.5

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	0.08	0.14
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.15	0.09
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.06	0.46
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.09	0.23
Phenanthrene	mg/kg	0.05	MCERTS	0.16	1.7	3.4
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.28	0.38
Fluoranthene	mg/kg	0.05	MCERTS	0.34	5.3	6.4
Pyrene	mg/kg	0.05	MCERTS	0.32	4.6	5.7
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.19	2.1	2.8
Chrysene	mg/kg	0.05	MCERTS	0.18	2.3	3
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.27	3	4.1
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.09	0.92	1.3
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.2	2.1	2.9
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.13	1.2	1.7
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.38	0.54
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.16	1.4	2

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	2.04	25.6	34.9

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Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625261	2625262	2625263
Sample Reference				MHP171	MHP172	MHP173
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.40	0.20
Date Sampled				Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Heavy Metals / Metalloids						
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	87	16	23
Barium (aqua regia extractable)	mg/kg	1	MCERTS	240	130	210
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	2.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	35	24	26
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	36	24	27
Copper (aqua regia extractable)	mg/kg	1	MCERTS	48	54	1100
Lead (aqua regia extractable)	mg/kg	1	MCERTS	170	240	1200
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.6	1.2
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	33	20	25
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	71	51	60
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	86	170	2300
Monoaromatics & Oxygenates						
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons						
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	13
TPH-CWG - Aliphatic >EC35 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	< 10	< 10	14
TPH-CWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	2.6
TPH-CWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	12	14
TPH-CWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	23	32
TPH-CWG - Aromatic >EC35 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	< 10	35	48
TPH Total C5 - C40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	< 10	37	70

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital
Your Order No: 22-2-FDO-LABS

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
2625182	MHP112	0.50	127	Sheeting/Board Debris	**Amosite**	0.306	**0.306**
2625196	MHP123	0.15	105	Loose Fibres	**Chrysotile**	0.001	**0.001**
2625248	MHP161	0.10	116	Loose Fibres & Asbestos Cement	**Chrysotile**	3.582	**3.58**

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

UKAS TESTING
4041

Analytical i2 Environmental Science

Analytical Report Number: 23-24284
Project / Site name: St Ann`s Hospital

Your Order No: 22-2-FDO-LABS

Lab Sample Number				2625197
Sample Reference				MHP123
Sample Number				None Supplied
Depth (m)				0.10
Date Sampled				08/03/2023
Time Taken				None Supplied
Analytical Parameter (Bulk Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Asbestos Identification	Type	N/A	ISO 17025	Chrysotile-Asbestos Cement
Asbestos Analyst ID	N/A	N/A	N/A	MJN

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

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number : 23-24284
Project / Site name: St Ann`s Hospital

* 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 *
2625164	MHP101	None Supplied	0.1	Brown sandy clay with vegetation.
2625165	MHP101	None Supplied	0.55	Brown sandy clay with vegetation.
2625166	MHP102	None Supplied	0.05	Brown sandy clay.
2625167	MHP103	None Supplied	0.05	Non Soil #
2625168	MHP103	None Supplied	0.5	Brown clay and sand with gravel.
2625169	MHP104	None Supplied	0.5	Brown gravelly sand.
2625170	MHP105	None Supplied	0.7	Brown gravelly sand with stones.
2625171	MHP106	None Supplied	0.2	Brown clay and sand with vegetation.
2625172	MHP106	None Supplied	0.4	Brown clay and sand with stones.
2625173	MHP107	None Supplied	0.2	Brown gravelly sand with stones.
2625174	MHP107	None Supplied	0.4	Brown clay with gravel.
2625175	MHP108	None Supplied	0.1	Brown gravelly sand with vegetation.
2625176	MHP109	None Supplied	0.15	Brown clay and sand with gravel and vegetation.
2625177	MHP109	None Supplied	0.4	Brown clay and sand with gravel and vegetation.
2625178	MHP110	None Supplied	0.1	Brown gravelly sand.
2625179	MHP111	None Supplied	0.3	Brown gravelly sand.
2625180	MHP111	None Supplied	0.6	Brown clay with gravel.
2625181	MHP112	None Supplied	0.1	Brown gravelly sand with vegetation.
2625182	MHP112	None Supplied	0.5	Brown clay and sand with gravel and vegetation.
2625183	MHP113	None Supplied	0.4	Brown clay and sand with gravel.
2625184	MHP114	None Supplied	0.1	Brown gravelly sand with vegetation.
2625185	MHP114	None Supplied	0.5	Brown clay and sand with gravel and vegetation.
2625186	MHP115	None Supplied	0.3	Brown gravelly sand with stones.
2625187	MHP116	None Supplied	0.5	Brown sandy clay with gravel and brick.
2625188	MHP117	None Supplied	0.1	Brown sandy clay with gravel and brick.
2625189	MHP117	None Supplied	0.5	Brown clay and sand with gravel and stones.
2625190	MHP118	None Supplied	0.1	Brown clay and sand with gravel and vegetation.
2625191	MHP118	None Supplied	0.4	Brown clay and sand with rubble and gravel
2625192	MHP119	None Supplied	0.5	Brown clay and sand with gravel and vegetation.
2625193	MHP120	None Supplied	0.1	Brown clay and loam with brick and vegetation.
2625194	MHP121	None Supplied	0.55	Light brown clay with vegetation.
2625195	MHP122	None Supplied	0.2	Brown clay and sand with gravel and vegetation.
2625196	MHP123	None Supplied	0.15	Brown sandy loam with rubble and glass.
2625198	MHP123	None Supplied	0.5	Brown clay and sand with brick and vegetation.
2625199	MHP124	None Supplied	0.1	Brown loam and clay with gravel and coal.
2625200	MHP125	None Supplied	0.2	Brown loam and clay with gravel and brick.
2625201	MHP125	None Supplied	0.5	Light brown clay.
2625202	MHP126	None Supplied	0.1	Black gravely sand with clinker and glass.
2625203	MHP126	None Supplied	0.5	Light brown clay and sand with gravel and vegetation.
2625204	MHP127	None Supplied	0.05	Brown clay and loam with gravel and vegetation.
2625205	MHP127	None Supplied	0.3	Brown clay and loam with gravel and vegetation.
2625206	MHP128	None Supplied	0.4	Brown clay and loam with gravel and stones.
2625207	MHP129	None Supplied	0.4	Brown clay and loam with gravel and vegetation.
2625208	MHP130	None Supplied	0.15	Black gravely sand with clinker and vegetation.
2625209	MHP130	None Supplied	0.3	Brown clay and sand with gravel and brick.
2625210	MHP131	None Supplied	0.1	Brown loam and clay with gravel and vegetation.
2625211	MHP131	None Supplied	0.5	Brown clay and sand with gravel and vegetation.
2625212	MHP132	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
2625213	MHP133	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
2625214	MHP134	None Supplied	0.4	Brown loam and clay with gravel and vegetation.
2625215	MHP135	None Supplied	0.3	Brown loam and clay with gravel and vegetation.
2625217	MHP136	None Supplied	0.4	Brown clay and loam with gravel and vegetation.
2625218	MHP137	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
2625219	MHP138	None Supplied	0.3	Brown clay and loam with gravel and brick.
2625220	MHP139	None Supplied	0.2	Brown clay and sand with gravel and vegetation.
2625221	MHP139	None Supplied	0.5	Brown clay and sand with gravel.
2625222	MHP140	None Supplied	0.1	Brown loam and clay with gravel and vegetation.
2625223	MHP140	None Supplied	0.35	Brown clay and loam with gravel and brick.

Analytical Report Number : 23-24284
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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 *
2625224	MHP141	None Supplied	0.5	Light brown clay.
2625225	MHP142	None Supplied	0.1	Brown loam and clay with gravel and vegetation.
2625226	MHP143	None Supplied	0.5	Brown clay and loam with gravel and brick.
2625227	MHP144	None Supplied	0.3	Brown clay and loam with gravel and brick.
2625228	MHP144	None Supplied	0.5	Light brown sand with gravel.
2625229	MHP145	None Supplied	0.1	Brown loam with gravel and vegetation.
2625230	MHP145	None Supplied	0.6	Brown clay and loam with brick and vegetation.
2625231	MHP146	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
2625232	MHP147	None Supplied	0.3	Brown clay and loam with gravel and vegetation.
2625233	MHP148	None Supplied	0.1	Brown clay and loam with gravel and vegetation.
2625234	MHP149	None Supplied	0.4	Brown clay and loam.
2625235	MHP150	None Supplied	0.5	Brown loam and clay with rubble and vegetation.
2625236	MHP152	None Supplied	0.3	Brown loam and clay with rubble and vegetation.
2625237	MHP152	None Supplied	0.4	Brown loam and clay with rubble and vegetation.
2625238	MHP153	None Supplied	0.4	Brown sandy loam with gravel and brick.
2625239	MHP154	None Supplied	0.6	Brown clay and sand with gravel and brick.
2625240	MHP155	None Supplied	0.4	Brown loam and clay with brick and plastic.
2625241	MHP156	None Supplied	0.2	Brown loam and clay with gravel and brick.
2625242	MHP157	None Supplied	0.4	Brown clay and sand with gravel and brick.
2625243	MHP158	None Supplied	0.3	Brown sandy clay with gravel and vegetation.
2625244	MHP159	None Supplied	0.3	Brown loam and clay with gravel and vegetation.
2625245	MHP159	None Supplied	0.6	Brown loam and clay with gravel and vegetation.
2625246	MHP160	None Supplied	0.05	Brown loam and clay with gravel and vegetation.
2625247	MHP160	None Supplied	0.4	Brown clay and sand with gravel and brick.
2625248	MHP161	None Supplied	0.1	Brown loam and clay with gravel and vegetation.
2625249	MHP161	None Supplied	0.3	Brown loam and clay with gravel and vegetation.
2625250	MHP162	None Supplied	0.2	Brown loam and clay with rubble and brick.
2625251	MHP163	None Supplied	0.05	Brown loam and clay with gravel and vegetation.
2625252	MHP163	None Supplied	0.15	Brown clay and loam with gravel and vegetation.
2625253	MHP164	None Supplied	0.2	Brown clay and loam with gravel and brick.
2625254	MHP165	None Supplied	0.3	Brown loam and clay with gravel and vegetation.
2625255	MHP166	None Supplied	0.5	Brown loam and clay with gravel and vegetation.
2625256	MHP167	None Supplied	0.1	Brown loam and clay with gravel and vegetation.
2625257	MHP167	None Supplied	0.3	Brown loam and clay with gravel and vegetation.
2625258	MHP168	None Supplied	0.15	Brown clay and sand with gravel and brick.
2625259	MHP169	None Supplied	0.15	Brown loam and clay with gravel and vegetation.
2625260	MHP170	None Supplied	0.1	Brown loam and clay with gravel and vegetation.
2625261	MHP171	None Supplied	0.3	Brown sandy loam with brick and gravel
2625262	MHP172	None Supplied	0.4	Brown clay and sand with brick and gravel
2625263	MHP173	None Supplied	0.2	Brown loam with gravel and vegetation.

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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
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 Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
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
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
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 and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260	L073B-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
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
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025

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Project / Site name: St Ann`s Hospital

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
Organic matter (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
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 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.

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

#UNACCREDITED SAMPLE MATRIX

Sample Deviation Report

Analytical Report Number : 23-24284
Project / Site name: St Ann`s Hospital

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.

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

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
MHP101	None Supplied	S	2625164	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP101	None Supplied	S	2625164	c	TPH in (Soil)	L076-PL	c
MHP101	None Supplied	S	2625165	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP101	None Supplied	S	2625165	c	TPH in (Soil)	L076-PL	c
MHP102	None Supplied	S	2625166	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP102	None Supplied	S	2625166	c	TPH in (Soil)	L076-PL	c
MHP103	None Supplied	S	2625167	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP103	None Supplied	S	2625167	c	TPH in (Soil)	L076-PL	c
MHP103	None Supplied	S	2625168	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP103	None Supplied	S	2625168	c	TPH in (Soil)	L076-PL	c
MHP104	None Supplied	S	2625169	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP104	None Supplied	S	2625169	c	TPH in (Soil)	L076-PL	c
MHP105	None Supplied	S	2625170	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP105	None Supplied	S	2625170	c	TPH in (Soil)	L076-PL	c
MHP106	None Supplied	S	2625171	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP106	None Supplied	S	2625171	c	TPH in (Soil)	L076-PL	c
MHP106	None Supplied	S	2625172	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP106	None Supplied	S	2625172	c	TPH in (Soil)	L076-PL	c
MHP107	None Supplied	S	2625173	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP107	None Supplied	S	2625173	c	TPH in (Soil)	L076-PL	c
MHP107	None Supplied	S	2625174	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP107	None Supplied	S	2625174	c	TPH in (Soil)	L076-PL	c
MHP108	None Supplied	S	2625175	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP108	None Supplied	S	2625175	c	TPH in (Soil)	L076-PL	c
MHP109	None Supplied	S	2625176	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP109	None Supplied	S	2625176	c	TPH in (Soil)	L076-PL	c
MHP109	None Supplied	S	2625177	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP109	None Supplied	S	2625177	c	TPH in (Soil)	L076-PL	c
MHP110	None Supplied	S	2625178	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP110	None Supplied	S	2625178	c	TPH in (Soil)	L076-PL	c
MHP111	None Supplied	S	2625179	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP111	None Supplied	S	2625179	c	TPH in (Soil)	L076-PL	c
MHP111	None Supplied	S	2625180	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP111	None Supplied	S	2625180	c	TPH in (Soil)	L076-PL	c
MHP112	None Supplied	S	2625181	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP112	None Supplied	S	2625181	c	TPH in (Soil)	L076-PL	c
MHP112	None Supplied	S	2625182	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP112	None Supplied	S	2625182	c	TPH in (Soil)	L076-PL	c
MHP113	None Supplied	S	2625183	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP113	None Supplied	S	2625183	c	TPH in (Soil)	L076-PL	c
MHP114	None Supplied	S	2625184	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP114	None Supplied	S	2625184	c	TPH in (Soil)	L076-PL	c
MHP114	None Supplied	S	2625185	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP114	None Supplied	S	2625185	c	TPH in (Soil)	L076-PL	c
MHP115	None Supplied	S	2625186	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP115	None Supplied	S	2625186	c	TPH in (Soil)	L076-PL	c
MHP116	None Supplied	S	2625187	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP116	None Supplied	S	2625187	c	TPH in (Soil)	L076-PL	c
MHP117	None Supplied	S	2625188	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP117	None Supplied	S	2625188	c	TPH in (Soil)	L076-PL	c
MHP117	None Supplied	S	2625189	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP117	None Supplied	S	2625189	c	TPH in (Soil)	L076-PL	c
MHP118	None Supplied	S	2625190	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP118	None Supplied	S	2625190	c	TPH in (Soil)	L076-PL	c
MHP118	None Supplied	S	2625191	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP118	None Supplied	S	2625191	c	TPH in (Soil)	L076-PL	c
MHP119	None Supplied	S	2625192	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP119	None Supplied	S	2625192	c	TPH in (Soil)	L076-PL	c
MHP120	None Supplied	S	2625193	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c

Sample Deviation Report

Analytical Report Number : 23-24284
Project / Site name: St Ann`s Hospital

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.

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

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
MHP120	None Supplied	S	2625193	c	TPH in (Soil)	L076-PL	c
MHP121	None Supplied	S	2625194	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP121	None Supplied	S	2625194	c	TPH in (Soil)	L076-PL	c
MHP122	None Supplied	S	2625195	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP122	None Supplied	S	2625195	c	TPH in (Soil)	L076-PL	c
MHP123	None Supplied	S	2625196	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP123	None Supplied	S	2625196	c	TPH in (Soil)	L076-PL	c
MHP123	None Supplied	S	2625198	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP123	None Supplied	S	2625198	c	TPH in (Soil)	L076-PL	c
MHP124	None Supplied	S	2625199	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP124	None Supplied	S	2625199	c	TPH in (Soil)	L076-PL	c
MHP125	None Supplied	S	2625200	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP125	None Supplied	S	2625200	c	TPH in (Soil)	L076-PL	c
MHP125	None Supplied	S	2625201	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP125	None Supplied	S	2625201	c	TPH in (Soil)	L076-PL	c
MHP126	None Supplied	S	2625202	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP126	None Supplied	S	2625202	c	TPH in (Soil)	L076-PL	c
MHP126	None Supplied	S	2625203	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP126	None Supplied	S	2625203	c	TPH in (Soil)	L076-PL	c
MHP127	None Supplied	S	2625204	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP127	None Supplied	S	2625204	c	TPH in (Soil)	L076-PL	c
MHP127	None Supplied	S	2625205	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
MHP127	None Supplied	S	2625205	c	TPH in (Soil)	L076-PL	c
MHP135	None Supplied	S	2625216	c	None Supplied	None Supplied	None Supplied
MHP171	None Supplied	S	2625261	a	None Supplied	None Supplied	None Supplied
MHP172	None Supplied	S	2625262	a	None Supplied	None Supplied	None Supplied
MHP173	None Supplied	S	2625263	a	None Supplied	None Supplied	None Supplied

APPENDIX 3 ▪ Zoning Plans