

APPENDIX I

LABORATORY CERTIFICATES FOR SOIL ANALYSIS

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 18/04765
Issue Number: 1

Date: 06 July, 2018

Client: RSK Environment Ltd Manchester
Fourways House
57 Hilton Street
Manchester
Lancashire
UK
M1 2EJ

Project Manager: Emma Hobbs/Gavin Saddington
Project Name: Travellers Site, Bury
Project Ref: 11151
Order No: N/A
Date Samples Received: 14/06/18
Date Instructions Received: 15/06/18
Date Analysis Completed: 06/07/18

Prepared by:



Richard Wong
Client Manager

Approved by:



Georgia King
Admin & Client Services Supervisor

Envirolab Job Number: 18/04765

Client Project Name: Travellers Site, Bury

Client Project Ref: 11151

Lab Sample ID	18/04765/1	18/04765/2	18/04765/3	18/04765/4	18/04765/5	18/04765/6	18/04765/7	18/04765/8	Units	Method ref
Client Sample No	1	1	1	1	1	1	1	1		
Client Sample ID	HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08		
Depth to Top	0.00	0.00	0.00	0.15	0.10	0.00	0.05	0.10		
Depth To Bottom	0.20	0.30	0.20	0.40	0.25	0.20	0.25	0.25		
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4ABE	4ABCD	4AB	4AB	4ABE	4ABE	4AB	4AE		
% Natural Moisture Content (NMC) at 40C _A	-	-	4.2	-	6.1	-	12.1	-		
% Stones >10mm _A	14.3	<0.1	6.1	16.1	11.9	<0.1	5.0	6.7	% w/w	A-T-044
pH _D ^{M#}	7.32	7.95	7.88	7.35	6.95	8.02	7.27	6.80	pH	A-T-031s
Total Organic Carbon _D ^{M#}	3.52	5.09	3.97	3.90	6.48	4.91	4.12	3.30	% w/w	A-T-032s
Arsenic _D ^{M#}	8	11	8	8	11	5	10	9	mg/kg	A-T-024s
Cadmium _D ^{M#}	1.2	1.6	1.6	1.4	1.9	1.9	1.1	0.9	mg/kg	A-T-024s
Copper _D ^{M#}	136	147	104	109	209	114	149	139	mg/kg	A-T-024s
Chromium _D ^{M#}	33	33	35	31	37	65	28	46	mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	A-T-040s
Lead _D ^{M#}	222	311	362	251	377	375	175	133	mg/kg	A-T-024s
Mercury _D	<0.17	0.45	0.34	0.37	0.38	0.25	<0.17	0.54	mg/kg	A-T-024s
Nickel _D ^{M#}	33	43	40	38	45	45	36	30	mg/kg	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	A-T-024s
Zinc _D ^{M#}	248	349	684	215	369	320	178	166	mg/kg	A-T-024s

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Lab Sample ID	18/04765/1	18/04765/2	18/04765/3	18/04765/4	18/04765/5	18/04765/6	18/04765/7	18/04765/8	Units	Method ref
Client Sample No	1	1	1	1	1	1	1	1		
Client Sample ID	HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08		
Depth to Top	0.00	0.00	0.00	0.15	0.10	0.00	0.05	0.10		
Depth To Bottom	0.20	0.30	0.20	0.40	0.25	0.20	0.25	0.25		
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4ABE	4ABCD	4AB	4AB	4ABE	4ABE	4AB	4AE		
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	NAD	Chrysotile	NAD	NAD	NAD	Chrysotile	NAD	NAD		A-T-045
Asbestos Matrix (microscope) _A	-	Board	-	-	-	Loose Fibres	-	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	NO	N/A	N/A	N/A	N/A	N/A	N/A		
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) ₀	-	<0.001	-	-	-	<0.001	-	-	% w/w	A-T-054

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Client Sample No	1	1	1	1	1	1	1	1		
Client Sample ID	HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08		
Depth to Top	0.00	0.00	0.00	0.15	0.10	0.00	0.05	0.10		
Depth To Bottom	0.20	0.30	0.20	0.40	0.25	0.20	0.25	0.25		
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4ABE	4ABCD	4AB	4AB	4ABE	4ABE	4AB	4AE		
PAH-16MS										
Acenaphthene _A ^{M#}	0.89	1.79	0.42	5.11	0.58	0.33	0.56	0.34	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.08	0.14	0.16	0.16	0.10	0.22	<0.10	0.05	mg/kg	A-T-019s
Anthracene _A ^{M#}	1.41	3.24	1.20	6.14	0.71	3.66	0.78	0.55	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	4.79	10.7	4.89	13.1	1.67	4.68	2.16	1.24	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	4.11	6.80	3.33	11.4	1.33	3.51	2.04	0.93	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	4.51	7.29	3.53	14.3	1.49	3.49	2.64	1.08	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	2.22	3.40	1.83	6.20	0.79	1.89	1.30	0.50	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	1.63	2.82	1.27	5.78	0.47	1.22	1.35	0.35	mg/kg	A-T-019s
Chrysene _A ^{M#}	4.63	9.26	4.11	17.2	1.66	4.24	2.74	1.26	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.47	0.91	0.46	1.76	0.16	0.40	<0.40	0.11	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	11.9	23.6	9.77	34.4	3.34	8.48	5.39	2.83	mg/kg	A-T-019s
Fluorene _A ^{M#}	0.63	1.32	0.33	3.47	0.38	0.21	0.30	0.28	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	2.76	4.65	2.43	7.21	1.03	2.54	1.36	0.59	mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.19	0.45	0.11	0.59	1.96	0.11	<0.30	0.10	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	6.15	13.1	4.51	29.7	2.83	3.18	3.23	2.40	mg/kg	A-T-019s
Pyrene _A ^{M#}	10.6	20.2	8.54	28.9	3.11	7.36	4.95	2.50	mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	57	110	46.9	185	21.6	45.5	28.8	15.1	mg/kg	A-T-019s
TPH Total with ID										
TPH total (>C6-C40) _A ^{M#}	-	-	2120	-	3070	-	2110	-	mg/kg	A-T-007s
TPH ID (for FID characterisations) _A	-	-	Possible PAHs + mixture of other unknown hydrocarbons	-	Possible PAHs + mixture of other unknown hydrocarbons	-	Possible PAHs + mixture of other unknown hydrocarbons	-		A-T-007s

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Client Sample No	1	1	1	1	1	1	1	1		
Client Sample ID	HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08		
Depth to Top	0.00	0.00	0.00	0.15	0.10	0.00	0.05	0.10		
Depth To Bottom	0.20	0.30	0.20	0.40	0.25	0.20	0.25	0.25		
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4ABE	4ABCD	4AB	4AB	4ABE	4ABE	4AB	4AE		
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	0.9	-	0.5	-	0.4	-	2.4	mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	3.9	-	5.6	-	5.5	-	22.1	mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	15.3	-	13.1	-	16.4	-	30.4	mg/kg	A-T-023s
Ali >C21-C35 _A [#]	57.7	166	-	218	-	182	-	92.1	mg/kg	A-T-023s
Total Aliphatics _A	57.7	186	-	238	-	205	-	147	mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
Aro >C10-C12 _A [#]	0.4	0.6	-	1.7	-	<0.1	-	2.1	mg/kg	A-T-023s
Aro >C12-C16 _A [#]	6.8	9.2	-	26.4	-	2.6	-	73.6	mg/kg	A-T-023s
Aro >C16-C21 _A [#]	38.0	68.9	-	118	-	29.5	-	467	mg/kg	A-T-023s
Aro >C21-C35 _A [#]	135	193	-	188	-	150	-	672	mg/kg	A-T-023s
Total Aromatics _A	180	272	-	334	-	182	-	1210	mg/kg	A-T-023s
TPH (Ali & Aro) _A	238	458	-	572	-	387	-	1360	mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	-	<0.01	mg/kg	A-T-022s

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Client Sample No	1	1	2	1	1	1	1	1		
Client Sample ID	HP09	HP10	HP10	HP11	HP12	HP13	HP14	HP15		
Depth to Top	0.20	0.00	0.20	0.00	0.20	0.00	0.00	0.00		
Depth To Bottom	0.30	0.10	0.30	0.15	0.40	0.20	0.10	0.20		
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4ABE	4ABE	4ABE	4ABE	4ABE	4AE	4ABE	4AE		
% Natural Moisture Content (NMC) at 40C _A	4.5	-	-	-	7.8	8.9	14.1	9.3	% w/w	A-T-044
% Stones >10mm _A	5.5	6.5	21.0	<0.1	24.4	20.1	4.4	16.7	% w/w	A-T-044
pH _D ^{M#}	7.55	6.80	7.07	6.62	7.43	7.06	6.94	7.00	pH	A-T-031s
Total Organic Carbon _D ^{M#}	4.60	3.61	4.04	3.24	4.54	4.85	6.02	2.84	% w/w	A-T-032s
Arsenic _D ^{M#}	10	12	7	11	8	8	11	7	mg/kg	A-T-024s
Cadmium _D ^{M#}	1.5	1.1	1.2	1.2	2.0	0.9	1.1	0.7	mg/kg	A-T-024s
Copper _D ^{M#}	132	275	168	175	155	95	119	77	mg/kg	A-T-024s
Chromium _D ^{M#}	35	38	27	37	29	23	30	21	mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	A-T-040s
Lead _D ^{M#}	351	257	178	178	285	119	128	77	mg/kg	A-T-024s
Mercury _D	0.48	0.35	0.39	0.45	0.37	0.38	0.54	<0.17	mg/kg	A-T-024s
Nickel _D ^{M#}	39	27	47	33	43	23	29	23	mg/kg	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	A-T-024s
Zinc _D ^{M#}	254	240	206	195	289	159	201	97	mg/kg	A-T-024s

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Lab Sample ID	18/04765/9	18/04765/10	18/04765/11	18/04765/12	18/04765/13	18/04765/14	18/04765/15	18/04765/16	Units	Method ref
Client Sample No	1	1	2	1	1	1	1	1		
Client Sample ID	HP09	HP10	HP10	HP11	HP12	HP13	HP14	HP15		
Depth to Top	0.20	0.00	0.20	0.00	0.20	0.00	0.00	0.00		
Depth To Bottom	0.30	0.10	0.30	0.15	0.40	0.20	0.10	0.20		
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4ABE	4ABE	4ABE	4ABE	4ABE	4AE	4ABE	4AE		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

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Client Sample No	1	1	2	1	1	1	1	1		
Client Sample ID	HP09	HP10	HP10	HP11	HP12	HP13	HP14	HP15		
Depth to Top	0.20	0.00	0.20	0.00	0.20	0.00	0.00	0.00		
Depth To Bottom	0.30	0.10	0.30	0.15	0.40	0.20	0.10	0.20		
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4ABE	4ABE	4ABE	4ABE	4ABE	4AE	4ABE	4AE		
PAH-16MS										
Acenaphthene _A ^{M#}	1.16	1.41	2.76	0.23	1.09	3.02	4.61	1.04	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.26	0.18	0.30	0.09	0.13	0.12	0.19	0.11	mg/kg	A-T-019s
Anthracene _A ^{M#}	2.54	1.64	6.43	0.49	2.33	3.88	7.94	1.54	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	9.08	4.47	15.1	2.24	6.92	7.82	18.2	4.47	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	6.08	3.06	11.9	2.11	4.61	7.12	14.7	3.61	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	6.48	3.57	14.8	2.43	5.00	8.79	18.4	4.09	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	2.56	1.38	5.70	1.14	2.16	4.04	7.75	1.77	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	2.38	1.22	6.30	0.75	1.83	3.56	7.64	1.33	mg/kg	A-T-019s
Chrysene _A ^{M#}	7.92	4.13	17.7	2.26	6.03	10.3	21.8	4.20	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.69	0.32	2.03	0.27	0.54	0.99	1.94	0.36	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	17.9	9.90	33.4	3.74	14.8	20.4	43.3	10.5	mg/kg	A-T-019s
Fluorene _A ^{M#}	0.92	0.99	1.78	0.16	0.83	2.09	3.32	0.76	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	3.63	1.62	7.34	1.36	3.01	4.52	8.84	2.11	mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.38	0.91	<0.30	0.05	0.19	0.42	1.03	0.26	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	9.68	9.16	18.6	1.96	8.20	17	30.9	6.84	mg/kg	A-T-019s
Pyrene _A ^{M#}	16	9.78	28	3.47	13.7	17.1	36.2	9.22	mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	87.7	53.7	172	22.8	71.4	111	227	52.2	mg/kg	A-T-019s
TPH Total with ID										
TPH total (>C6-C40) _A ^{M#}	2340	-	-	-	1510	1890	2100	46	mg/kg	A-T-007s
TPH ID (for FID characterisations) _A	Possible PAHs + mixture of other unknown hydrocarbons	-	-	-	Possible PAHs + mixture of other unknown hydrocarbons	Possible PAHs + mixture of other unknown hydrocarbons	Possible PAHs + mixture of other unknown hydrocarbons	Possible PAHs + mixture of other unknown hydrocarbons		A-T-007s

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Client Sample No	1	1	2	1	1	1	1	1		
Client Sample ID	HP09	HP10	HP10	HP11	HP12	HP13	HP14	HP15		
Depth to Top	0.20	0.00	0.20	0.00	0.20	0.00	0.00	0.00		
Depth To Bottom	0.30	0.10	0.30	0.15	0.40	0.20	0.10	0.20		
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18	13-Jun-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4ABE	4ABE	4ABE	4ABE	4ABE	4AE	4ABE	4AE		
TPH CWG										
Ali >C5-C6 _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
Ali >C8-C10 _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
Ali >C10-C12 _A [#]	-	0.6	1.4	<0.1	-	-	-	-	mg/kg	A-T-023s
Ali >C12-C16 _A [#]	-	4.6	16.7	<0.1	-	-	-	-	mg/kg	A-T-023s
Ali >C16-C21 _A [#]	-	8.8	36.0	<0.1	-	-	-	-	mg/kg	A-T-023s
Ali >C21-C35 _A [#]	-	43.0	126	<0.1	-	-	-	-	mg/kg	A-T-023s
Total Aliphatics _A	-	57.0	180	<0.1	-	-	-	-	mg/kg	A-T-023s
Aro >C5-C7 _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
Aro >C8-C9 _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
Aro >C9-C10 _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
Aro >C10-C12 _A [#]	-	0.6	2.5	0.5	-	-	-	-	mg/kg	A-T-023s
Aro >C12-C16 _A [#]	-	6.5	38.0	1.9	-	-	-	-	mg/kg	A-T-023s
Aro >C16-C21 _A [#]	-	27.8	288	13.6	-	-	-	-	mg/kg	A-T-023s
Aro >C21-C35 _A [#]	-	57.2	511	34.1	-	-	-	-	mg/kg	A-T-023s
Total Aromatics _A	-	92.3	840	50.1	-	-	-	-	mg/kg	A-T-023s
TPH (Ali & Aro) _A	-	149	1020	50.1	-	-	-	-	mg/kg	A-T-023s
BTEX - Benzene _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
BTEX - Toluene _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s
MTBE _A [#]	-	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	A-T-022s

Envirolab Job Number: 18/04765

Client Project Name: Travellers Site, Bury

Client Project Ref: 11151

Lab Sample ID	18/04765/17	18/04765/18	18/04765/19						Units	Method ref
Client Sample No	1	2	1							
Client Sample ID	HP16	HP16	HP17							
Depth to Top	0.00	0.15	0.00							
Depth To Bottom	0.12	0.20	0.20							
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4AE	4ABE	6AE							
% Natural Moisture Content (NMC) at 40C _A	-	6.4	-						% w/w	A-T-044
% Stones >10mm _A	9.9	21.2	<0.1						% w/w	A-T-044
pH _D ^{M#}	6.82	7.11	6.64						pH	A-T-031s
Total Organic Carbon _D ^{M#}	4.46	4.10	2.58						% w/w	A-T-032s
Arsenic _D ^{M#}	12	9	10						mg/kg	A-T-024s
Cadmium _D ^{M#}	1.0	0.9	0.9						mg/kg	A-T-024s
Copper _D ^{M#}	86	106	178						mg/kg	A-T-024s
Chromium _D ^{M#}	31	24	33						mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1						mg/kg	A-T-040s
Lead _D ^{M#}	135	129	131						mg/kg	A-T-024s
Mercury _D	0.36	0.37	0.63						mg/kg	A-T-024s
Nickel _D ^{M#}	30	26	27						mg/kg	A-T-024s
Selenium _D ^{M#}	<1	<1	2						mg/kg	A-T-024s
Zinc _D ^{M#}	153	137	150						mg/kg	A-T-024s

Envirolab Job Number: 18/04765

Client Project Name: Travellers Site, Bury

Client Project Ref: 11151

Lab Sample ID	18/04765/17	18/04765/18	18/04765/19						Units	Method ref
Client Sample No	1	2	1							
Client Sample ID	HP16	HP16	HP17							
Depth to Top	0.00	0.15	0.00							
Depth To Bottom	0.12	0.20	0.20							
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4AE	4ABE	6AE							
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A							

Envirolab Job Number: 18/04765

Client Project Name: Travellers Site, Bury

Client Project Ref: 11151

Lab Sample ID	18/04765/17	18/04765/18	18/04765/19						Units	Method ref
Client Sample No	1	2	1							
Client Sample ID	HP16	HP16	HP17							
Depth to Top	0.00	0.15	0.00							
Depth To Bottom	0.12	0.20	0.20							
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4AE	4ABE	6AE							
PAH-16MS										
Acenaphthene _A ^{M#}	3.89	6.05	0.26						mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.11	0.22	0.06						mg/kg	A-T-019s
Anthracene _A ^{M#}	4.95	8.14	0.37						mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	9.23	16.4	1.24						mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	8.54	13.8	1.11						mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	10.8	17.3	1.41						mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	4.46	7.61	0.56						mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	4.16	7.09	0.46						mg/kg	A-T-019s
Chrysene _A ^{M#}	11.7	22.6	1.33						mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	1.29	2.04	0.13						mg/kg	A-T-019s
Fluoranthene _A ^{M#}	25.3	38.6	2.75						mg/kg	A-T-019s
Fluorene _A ^{M#}	2.95	4.13	0.16						mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	5.14	8.55	0.69						mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.85	0.71	0.06						mg/kg	A-T-019s
Phenanthrene _A ^{M#}	23.6	34.7	1.68						mg/kg	A-T-019s
Pyrene _A ^{M#}	21	35	2.49						mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	138	223	14.8						mg/kg	A-T-019s
TPH Total with ID										
TPH total (>C6-C40) _A ^{M#}	-	3350	-						mg/kg	A-T-007s
TPH ID (for FID characterisations) _A	-	Possible PAHs + mixture of other unknown hydrocarbons	-							A-T-007s

Envirolab Job Number: 18/04765

Client Project Name: Travellers Site, Bury

Client Project Ref: 11151

Lab Sample ID	18/04765/17	18/04765/18	18/04765/19						Units	Method ref
Client Sample No	1	2	1							
Client Sample ID	HP16	HP16	HP17							
Depth to Top	0.00	0.15	0.00							
Depth To Bottom	0.12	0.20	0.20							
Date Sampled	13-Jun-18	13-Jun-18	13-Jun-18							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	4AE	4ABE	6AE							
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
Ali >C10-C12 _A [#]	0.2	-	<0.1						mg/kg	A-T-023s
Ali >C12-C16 _A [#]	3.6	-	<0.1						mg/kg	A-T-023s
Ali >C16-C21 _A [#]	9.9	-	<0.1						mg/kg	A-T-023s
Ali >C21-C35 _A [#]	43.1	-	<0.1						mg/kg	A-T-023s
Total Aliphatics _A	56.7	-	<0.1						mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
Aro >C10-C12 _A [#]	1.6	-	2.0						mg/kg	A-T-023s
Aro >C12-C16 _A [#]	16.2	-	3.0						mg/kg	A-T-023s
Aro >C16-C21 _A [#]	87.0	-	5.9						mg/kg	A-T-023s
Aro >C21-C35 _A [#]	149	-	8.7						mg/kg	A-T-023s
Total Aromatics _A	254	-	19.6						mg/kg	A-T-023s
TPH (Ali & Aro) _A	310	-	19.6						mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s
MTBE _A [#]	<0.01	-	<0.01						mg/kg	A-T-022s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure and there is insufficient sample to repeat the analysis. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

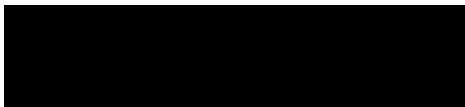
FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/02582
Issue Number: 1
Date: 30 March, 2021

Client: RSK Environment Ltd Manchester
Fourways House
57 Hilton Street
Manchester
Lancashire
UK
M1 2EJ

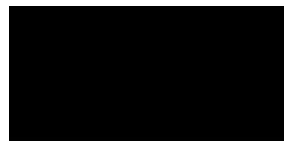
Project Manager: Gavin Saddington
Project Name: Every Street, Bury
Project Ref: 11542
Order No: N/A
Date Samples Received: 10/03/21
Date Instructions Received: 15/03/21
Date Analysis Completed: 30/03/21

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Sophie France
Client Service Manager

Envirolab Job Number: 21/02582

Client Project Name: Every Street, Bury

Client Project Ref: 11542

Lab Sample ID	21/02582/2	21/02582/4	21/02582/6	21/02582/8	21/02582/9			Units	Limit of Detection	Method ref
Client Sample No	3	7	2	6	8					
Client Sample ID	BH01	BH01	BH03	BH03	BH03					
Depth to Top	0.30	1.30	0.30	0.90	1.70					
Depth To Bottom	0.40	1.50	0.50	1.40	2.00					
Date Sampled	09-Mar-21	09-Mar-21	09-Mar-21	09-Mar-21	09-Mar-21					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	6A	6AE	4A	5AE					
% Stones >10mm _A	23.6	<0.1	10.0	21.6	24.2			% w/w	0.1	A-T-044
pH _D ^{M#}	8.69	7.61	7.97	8.08	-			pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.02	0.02	<0.01	0.02	-			g/l	0.01	A-T-026s
Sulphate (acid soluble) _D ^{M#}	<200	<200	550	<200	-			mg/kg	200	A-T-028s
Total Organic Carbon _D ^{M#}	-	0.38	-	-	0.31			% w/w	0.03	A-T-032s
Arsenic _D ^{M#}	<1	12	<1	5	-			mg/kg	1	A-T-024s
Cadmium _D ^{M#}	<0.5	0.8	<0.5	0.6	-			mg/kg	0.5	A-T-024s
Copper _D ^{M#}	15	64	15	71	-			mg/kg	1	A-T-024s
Chromium _D ^{M#}	21	14	14	20	-			mg/kg	1	A-T-024s
Chromium (hexavalent) _D	<1	-	<1	-	-			mg/kg	1	A-T-040s
Lead _D ^{M#}	8	74	14	105	-			mg/kg	1	A-T-024s
Mercury _D	<0.17	0.18	<0.17	0.54	-			mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	25	26	15	20	-			mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	1	<1	2	-			mg/kg	1	A-T-024s
Zinc _D ^{M#}	46	73	44	98	-			mg/kg	5	A-T-024s

Envirolab Job Number: 21/02582

Client Project Name: Every Street, Bury

Client Project Ref: 11542

Lab Sample ID	21/02582/2	21/02582/4	21/02582/6	21/02582/8	21/02582/9			Units	Limit of Detection	Method ref
Client Sample No	3	7	2	6	8					
Client Sample ID	BH01	BH01	BH03	BH03	BH03					
Depth to Top	0.30	1.30	0.30	0.90	1.70					
Depth To Bottom	0.40	1.50	0.50	1.40	2.00					
Date Sampled	09-Mar-21	09-Mar-21	09-Mar-21	09-Mar-21	09-Mar-21					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	6A	6AE	4A	5AE					
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	-	NAD	-	-					A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	-	N/A	-	-					A-T-045

Envirolab Job Number: 21/02582

Client Project Name: Every Street, Bury

Client Project Ref: 11542

Lab Sample ID	21/02582/2	21/02582/4	21/02582/6	21/02582/8	21/02582/9			Units	Limit of Detection	Method ref
Client Sample No	3	7	2	6	8					
Client Sample ID	BH01	BH01	BH03	BH03	BH03					
Depth to Top	0.30	1.30	0.30	0.90	1.70					
Depth To Bottom	0.40	1.50	0.50	1.40	2.00					
Date Sampled	09-Mar-21	09-Mar-21	09-Mar-21	09-Mar-21	09-Mar-21					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	6A	6AE	4A	5AE					
PAH-16MS										
Acenaphthene _A ^{M#}	70.6	<0.01	6.77	2.96	-			mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	0.47	<0.01	0.18	0.11	-			mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	104	<0.02	10.7	3.50	-			mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	117	<0.04	25.9	6.87	-			mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	74	<0.04	23.9	5.97	-			mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	95	<0.05	28.1	6.18	-			mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	30.5	<0.05	11.7	2.83	-			mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	42.7	<0.07	10.1	2.04	-			mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	147	<0.06	30.9	6.60	-			mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	8.63	<0.04	2.52	0.63	-			mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	383	<0.08	83.2	19.2	-			mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	54.4	<0.01	5.34	2.18	-			mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	34.5	<0.03	12.7	3.28	-			mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	25.8	<0.03	2.22	0.71	-			mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	396	0.05	54	17	-			mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	324	<0.07	78.2	16.5	-			mg/kg	0.07	A-T-019s
Total PAH-16MS _A ^{M#}	1910	<0.08	386	96.6	-			mg/kg	0.01	A-T-019s

Envirolab Job Number: 21/02582

Client Project Name: Every Street, Bury

Client Project Ref: 11542

Lab Sample ID	21/02582/2	21/02582/4	21/02582/6	21/02582/8	21/02582/9			Units	Limit of Detection	Method ref
Client Sample No	3	7	2	6	8					
Client Sample ID	BH01	BH01	BH03	BH03	BH03					
Depth to Top	0.30	1.30	0.30	0.90	1.70					
Depth To Bottom	0.40	1.50	0.50	1.40	2.00					
Date Sampled	09-Mar-21	09-Mar-21	09-Mar-21	09-Mar-21	09-Mar-21					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	6A	6AE	4A	5AE					
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	-			mg/kg	0.01	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	-			mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<20	<1	<1	<1	-			mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<20	<1	<1	<1	-			mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	20	<1	3	<1	-			mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	25	<1	5	2	-			mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	124	4	123	11	-			mg/kg	1	A-T-055s
Total Aliphatics _A	170	4	131	14	-			mg/kg	1	A-T-055s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	-			mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	-			mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<20	<1	1	<1	-			mg/kg	1	A-T-055s
Aro >C10-C12 _A	86	<1	3	2	-			mg/kg	1	A-T-055s
Aro >C12-C16 _A	1050	1	46	23	-			mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	2820	4	269	98	-			mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	3710	12	805	217	-			mg/kg	1	A-T-055s
Total Aromatics _A	7670	17	1120	341	-			mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35) _A	7840	21	1260	354	-			mg/kg	1	A-T-055s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	-			mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	-			mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	-			mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	-			mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	-			mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	-			mg/kg	0.01	A-T-022s

REPORT NOTES

General

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: RSK Environment Ltd Manchester, Fourways House, 57 Hilton Street,
Manchester, Lancashire , UK, M1 2EJ

Project: Every Street, Bury

Clients Project No: 11542

Project No: 21/02582

Date Received: 15/03/2021 (am)

Cool Box Temperatures (°C): 8.3

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

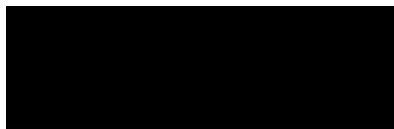
FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/04301
Issue Number: 1
Date: 06 May, 2021

Client: RSK Environment Ltd Manchester
Fourways House
57 Hilton Street
Manchester
Lancashire
UK
M1 2EJ

Project Manager: Gavin Saddington
Project Name: Every Street
Project Ref: 11542
Order No: N/A
Date Samples Received: 19/04/21
Date Instructions Received: 22/04/21
Date Analysis Completed: 06/05/21

Prepared by:



Holly Neary-King
Client Services Supervisor

Approved by:



Michael Knight
Laboratory Manager

Envirolab Job Number: 21/04301

Client Project Name: Every Street

Client Project Ref: 11542

Lab Sample ID	21/04301/2	21/04301/3	21/04301/6	21/04301/8	21/04301/10	21/04301/11	21/04301/13	Units	Limit of Detection	Method ref
Client Sample No	2	4	3	6	2	3	2			
Client Sample ID	BH02	BH02	BH05	BH05	BH04	BH04	BH06			
Depth to Top	0.40	1.55	0.90	1.95	0.80	1.25	0.60			
Depth To Bottom	1.30	2.00	1.20	2.05	1.00	1.55	1.30			
Date Sampled	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	5AE	6A	4A	4AB			
% Stones >10mm _A	<0.1	<0.1	1.2	<0.1	0.9	2.9	14.2	% w/w	0.1	A-T-044
pH _D ^{M#}	8.10	7.31	7.98	7.74	7.09	7.22	6.92	pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.09	0.07	0.04	<0.01	0.04	-	<0.01	g/l	0.01	A-T-026s
Sulphate (acid soluble) _D ^{M#}	770	1300	320	230	<200	-	300	mg/kg	200	A-T-028s
Total Organic Carbon _D ^{M#}	11.5	-	-	-	-	1.82	-	% w/w	0.03	A-T-032s
Arsenic _D ^{M#}	22	194	8	<1	4	3	15	mg/kg	1	A-T-024s
Cadmium _D ^{M#}	2.0	5.9	1.3	<0.5	1.4	0.9	1.6	mg/kg	0.5	A-T-024s
Copper _D ^{M#}	130	1440	44	9	25	20	74	mg/kg	1	A-T-024s
Chromium _D ^{M#}	30	56	24	11	23	17	17	mg/kg	1	A-T-024s
Chromium (hexavalent) _D	<1	-	-	-	-	-	<1	mg/kg	1	A-T-040s
Lead _D ^{M#}	267	2110	66	12	18	18	124	mg/kg	1	A-T-024s
Mercury _D	0.76	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	38	137	26	6	31	16	29	mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Zinc _D ^{M#}	330	1100	93	15	68	45	81	mg/kg	5	A-T-024s

Envirolab Job Number: 21/04301

Client Project Name: Every Street

Client Project Ref: 11542

Lab Sample ID	21/04301/2	21/04301/3	21/04301/6	21/04301/8	21/04301/10	21/04301/11	21/04301/13	Units	Limit of Detection	Method ref
Client Sample No	2	4	3	6	2	3	2			
Client Sample ID	BH02	BH02	BH05	BH05	BH04	BH04	BH06			
Depth to Top	0.40	1.55	0.90	1.95	0.80	1.25	0.60			
Depth To Bottom	1.30	2.00	1.20	2.05	1.00	1.55	1.30			
Date Sampled	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	5AE	6A	4A	4AB			
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	Chrysotile	-	-	-	NAD	-	NAD			A-T-045
Asbestos Matrix (microscope) _D	Loose Fibres & Cement	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	No	-	-	-	N/A	-	N/A			A-T-045

Envirolab Job Number: 21/04301

Client Project Name: Every Street

Client Project Ref: 11542

Lab Sample ID	21/04301/2	21/04301/3	21/04301/6	21/04301/8	21/04301/10	21/04301/11	21/04301/13	Units	Limit of Detection	Method ref
Client Sample No	2	4	3	6	2	3	2			
Client Sample ID	BH02	BH02	BH05	BH05	BH04	BH04	BH06			
Depth to Top	0.40	1.55	0.90	1.95	0.80	1.25	0.60			
Depth To Bottom	1.30	2.00	1.20	2.05	1.00	1.55	1.30			
Date Sampled	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	5AE	6A	4A	4AB			
PAH-16MS										
Acenaphthene _A ^{M#}	14.8	0.08	7.24	0.06	<0.01	-	78.1	mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	0.16	<0.01	<0.10	<0.01	<0.01	-	0.53	mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	19.7	0.10	7.42	0.07	<0.02	-	71	mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	59	0.26	11.4	0.35	<0.04	-	183	mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	41.5	0.29	9.96	0.42	<0.04	-	68.5	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	48.2	0.34	10.9	0.49	<0.05	-	73.8	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	19.8	0.10	3.98	0.21	<0.05	-	24.1	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	18.9	0.13	4.15	0.18	<0.07	-	32.5	mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	63.2	0.27	12	0.41	<0.06	-	151	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	5.29	<0.04	0.99	<0.04	<0.04	-	7.82	mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	101	0.61	29.2	0.74	<0.08	-	240	mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	9.79	0.05	6.13	0.03	<0.01	-	48.7	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	23.3	0.14	4.70	0.22	<0.03	-	31.7	mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	4.71	<0.03	6.43	<0.03	<0.03	-	17.7	mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	77	0.48	31.6	0.29	<0.03	-	345	mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	92.8	0.49	24.2	0.74	<0.07	-	230	mg/kg	0.07	A-T-019s
Total PAH-16MS _A ^{M#}	599	3.34	170	4.21	<0.08	-	1600	mg/kg	0.01	A-T-019s

Envirolab Job Number: 21/04301

Client Project Name: Every Street

Client Project Ref: 11542

Lab Sample ID	21/04301/2	21/04301/3	21/04301/6	21/04301/8	21/04301/10	21/04301/11	21/04301/13	Units	Limit of Detection	Method ref
Client Sample No	2	4	3	6	2	3	2			
Client Sample ID	BH02	BH02	BH05	BH05	BH04	BH04	BH06			
Depth to Top	0.40	1.55	0.90	1.95	0.80	1.25	0.60			
Depth To Bottom	1.30	2.00	1.20	2.05	1.00	1.55	1.30			
Date Sampled	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21	16-Apr-21			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4A	5AE	5AE	6A	4A	4AB			
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<10	<1	<1	<1	<1	-	<50	mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<10	<1	1	<1	<1	-	<50	mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<10	<1	6	<1	1	-	<50	mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<10	<1	9	4	2	-	<50	mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	24	6	30	42	5	-	2510	mg/kg	1	A-T-055s
Total Aliphatics _A	<100	6	46	46	8	-	<2500	mg/kg	1	A-T-055s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	11	1	2	<1	<1	-	62	mg/kg	1	A-T-055s
Aro >C10-C12 _A	19	<1	14	1	<1	-	<50	mg/kg	1	A-T-055s
Aro >C12-C16 _A	228	3	101	4	2	-	<50	mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	988	8	263	7	2	-	84	mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	1870	18	551	165	7	-	3780	mg/kg	1	A-T-055s
Total Aromatics _A	3120	30	931	177	11	-	3920	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35) _A	3140	36	977	223	19	-	6430	mg/kg	1	A-T-055s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 21/04301

Client Project Name: Every Street

Client Project Ref: 11542

Lab Sample ID	21/04301/14							Units	Limit of Detection	Method ref
Client Sample No	5									
Client Sample ID	BH06									
Depth to Top	2.30									
Depth To Bottom	2.50									
Date Sampled	16-Apr-21									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
% Stones >10mm _A	17.6							% w/w	0.1	A-T-044
pH _D ^{M#}	7.09							pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	<0.01							g/l	0.01	A-T-026s
Sulphate (acid soluble) _D ^{M#}	<200							mg/kg	200	A-T-028s
Total Organic Carbon _D ^{M#}	1.07							% w/w	0.03	A-T-032s
Arsenic _D ^{M#}	2							mg/kg	1	A-T-024s
Cadmium _D ^{M#}	0.9							mg/kg	0.5	A-T-024s
Copper _D ^{M#}	16							mg/kg	1	A-T-024s
Chromium _D ^{M#}	17							mg/kg	1	A-T-024s
Lead _D ^{M#}	12							mg/kg	1	A-T-024s
Mercury _D	<0.17							mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	16							mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1							mg/kg	1	A-T-024s
Zinc _D ^{M#}	40							mg/kg	5	A-T-024s

Envirolab Job Number: 21/04301

Client Project Name: Every Street

Client Project Ref: 11542

Lab Sample ID	21/04301/14							Units	Limit of Detection	Method ref
Client Sample No	5									
Client Sample ID	BH06									
Depth to Top	2.30									
Depth To Bottom	2.50									
Date Sampled	16-Apr-21									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01							mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	<0.01							mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07							mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	<0.08							mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	<0.01							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03							mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	<0.03							mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS _A ^{M#}	<0.08							mg/kg	0.01	A-T-019s

Envirolab Job Number: 21/04301

Client Project Name: Every Street

Client Project Ref: 11542

Lab Sample ID	21/04301/14							Units	Limit of Detection	Method ref
Client Sample No	5									
Client Sample ID	BH06									
Depth to Top	2.30									
Depth To Bottom	2.50									
Date Sampled	16-Apr-21									
Sample Type	Soil - ES									
Sample Matrix Code	4AE									
TPH CWG										
Ali >C5-C6 _A [#]	<0.01							mg/kg	0.01	A-T-022s
Ali >C6-C8 _A [#]	<0.01							mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1							mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1							mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1							mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1							mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	<1							mg/kg	1	A-T-055s
Total Aliphatics _A	<1							mg/kg	1	A-T-055s
Aro >C5-C7 _A [#]	<0.01							mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01							mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1							mg/kg	1	A-T-055s
Aro >C10-C12 _A	<1							mg/kg	1	A-T-055s
Aro >C12-C16 _A	<1							mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	<1							mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	<1							mg/kg	1	A-T-055s
Total Aromatics _A	<1							mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35) _A	<1							mg/kg	1	A-T-055s
BTEX - Benzene _A [#]	<0.01							mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01							mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01							mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01							mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01							mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01							mg/kg	0.01	A-T-022s

REPORT NOTES

General

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: RSK Environment Ltd Manchester, Fourways House, 57 Hilton Street,
Manchester, Lancashire , UK, M1 2EJ

Project: Every Street

Clients Project No: 11542

Project No: 21/04301

Date Received: 22/04/2021 (am)

Cool Box Temperatures (°C): 9.7, 9.1

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Results - Soil

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422869	422870	422871	422872	422873	422874	422875	422876
Order No.:	Client Sample Ref.:				BH01	BH02	BH02	BH03	BH04	BH04	BH05	BH06
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				1.0	0.5	2.0	1.0	0.5	1.5	1.0	1.0
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD								
ACM Type	U	2192		N/A	-	-	Fibres/Clumps	-	-	-	-	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile
Asbestos by Gravimetry	U	2192	%	0.001			0.062					0.006
Total Asbestos	N	2192	%	0.001			0.062					0.006
Moisture	N	2030	%	0.020	14	18	15	12		13		16
pH	U	2010		N/A	8.6		9.3			8.7		8.6
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	< 0.40		< 0.40			< 0.40		< 0.40
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.020		0.14			< 0.010		0.036
Cyanide (Free)	U	2300	mg/kg	0.50	< 0.50		< 0.50			< 0.50		1.4
Cyanide (Total)	U	2300	mg/kg	0.50	2.2		0.50			0.80		7.8
Arsenic	U	2450	mg/kg	1.0	17		14			13		16
Beryllium	U	2450	mg/kg	1.0	< 1.0		1.7			< 1.0		1.0
Cadmium	U	2450	mg/kg	0.10	1.4		2.2			0.99		0.90
Chromium	U	2450	mg/kg	1.0	24		35			44		34
Copper	U	2450	mg/kg	0.50	95		130			120		120
Mercury	U	2450	mg/kg	0.10	0.29		0.24			0.26		0.27
Nickel	U	2450	mg/kg	0.50	34		44			47		44
Lead	U	2450	mg/kg	0.50	190		310			330		330
Selenium	U	2450	mg/kg	0.20	< 0.20		< 0.20			< 0.20		< 0.20
Vanadium	U	2450	mg/kg	5.0	25		31			36		30
Zinc	U	2450	mg/kg	0.50	160		320			250		270
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50		< 0.50			< 0.50		< 0.50
Fraction of Organic Carbon	U	2625		0.0010		0.038		0.019		0.032		0.041
Aliphatic TPH >C5-C6	N	2680	mg/kg	0.010	< 0.010		< 0.010			< 0.010		
Aliphatic TPH >C6-C8	N	2680	mg/kg	0.010	< 0.010		< 0.010			< 0.010		
Aliphatic TPH >C8-C10	N	2680	mg/kg	0.10	24		< 0.10			21		
Aliphatic TPH >C10-C12	N	2680	mg/kg	0.10	23		< 0.10			20		
Aliphatic TPH >C12-C16	N	2680	mg/kg	0.10	39		< 0.10			2.0		
Aliphatic TPH >C16-C21	N	2680	mg/kg	0.10	30		< 0.10			14		
Aliphatic TPH >C21-C35	N	2680	mg/kg	0.10	73		< 0.10			55		
Aliphatic TPH >C35-C44	N	2680	mg/kg	0.10	47		< 0.10			< 0.10		
Total Aliphatic Hydrocarbons	N	2680	mg/kg	1.0	230		< 1.0			110		
Aromatic TPH >C5-C7	N	2680	mg/kg	0.010	< 0.010		< 0.010			< 0.010		
Aromatic TPH >C7-C8	N	2680	mg/kg	0.010	< 0.010		< 0.010			< 0.010		
Aromatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10		< 0.10			< 0.10		
Aromatic TPH >C10-C12	N	2680	mg/kg	0.10	24		< 0.10			< 0.10		
Aromatic TPH >C12-C16	N	2680	mg/kg	0.10	290		10			8.4		
Aromatic TPH >C16-C21	N	2680	mg/kg	0.10	1100		73			130		

Results - Soil

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:					17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:					422869	422870	422871	422872	422873	422874	422875	422876
Order No.:	Client Sample Ref.:					BH01	BH02	BH02	BH03	BH04	BH04	BH05	BH06
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					1.0	0.5	2.0	1.0	0.5	1.5	1.0	1.0
	Date Sampled:					09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:					COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD									
Aromatic TPH >C21-C35	N	2680	mg/kg	0.10	2700			180			1000		
Aromatic TPH >C35-C44	N	2680	mg/kg	0.10	110			13			< 0.10		
Total Aromatic Hydrocarbons	N	2680	mg/kg	1.0	4200			280			1200		
Total Petroleum Hydrocarbons	N	2680	mg/kg	2.0	4500			280			1300		
Methanal (Formaldehyde)	N		mg/kg	0.0050	0.064			0.035			0.021		
Dichlorodifluoromethane	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Chloromethane	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Vinyl Chloride	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Bromomethane	U	2760	µg/kg	20	< 20			< 20			< 20		
Chloroethane	U	2760	µg/kg	2.0	< 2.0			< 2.0			< 2.0		
Trichlorofluoromethane	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,1-Dichloroethene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Trans 1,2-Dichloroethene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,1-Dichloroethane	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
cis 1,2-Dichloroethene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Bromochloromethane	U	2760	µg/kg	5.0	< 5.0			< 5.0			< 5.0		
Trichloromethane	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,1,1-Trichloroethane	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Tetrachloromethane	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,1-Dichloropropene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Benzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,2-Dichloroethane	U	2760	µg/kg	2.0	< 2.0			< 2.0			< 2.0		
Trichloroethene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,2-Dichloropropane	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Dibromomethane	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Bromodichloromethane	U	2760	µg/kg	5.0	< 5.0			< 5.0			< 5.0		
cis-1,3-Dichloropropene	N	2760	µg/kg	10	< 10			< 10			< 10		
Toluene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Trans-1,3-Dichloropropene	N	2760	µg/kg	10	< 10			< 10			< 10		
1,1,2-Trichloroethane	U	2760	µg/kg	10	< 10			< 10			< 10		
Tetrachloroethene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,3-Dichloropropane	U	2760	µg/kg	2.0	< 2.0			< 2.0			< 2.0		
Dibromochloromethane	U	2760	µg/kg	10	< 10			< 10			< 10		
1,2-Dibromoethane	U	2760	µg/kg	5.0	< 5.0			< 5.0			< 5.0		
Chlorobenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,1,1,2-Tetrachloroethane	U	2760	µg/kg	2.0	< 2.0			< 2.0			< 2.0		
Ethylbenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
m & p-Xylene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
o-Xylene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422869	422870	422871	422872	422873	422874	422875	422876
Order No.:	Client Sample Ref.:				BH01	BH02	BH02	BH03	BH04	BH04	BH05	BH06
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				1.0	0.5	2.0	1.0	0.5	1.5	1.0	1.0
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD								
Styrene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
Tribromomethane	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
Isopropylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
Bromobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
1,2,3-Trichloropropane	N	2760	µg/kg	50	< 50		< 50			< 50		
N-Propylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
2-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
1,3,5-Trimethylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
4-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
Tert-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
1,2,4-Trimethylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
Sec-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
1,3-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
4-Isopropyltoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
1,4-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
N-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
1,2-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50	< 50		< 50			< 50		
1,2,4-Trichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
Hexachlorobutadiene	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0	< 2.0		< 2.0			< 2.0		
Methyl Tert-Butyl Ether	U	2760	µg/kg	1.0	< 1.0		< 1.0			< 1.0		
N-Nitrosodimethylamine	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Phenol	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
2-Chlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Bis-(2-Chloroethyl)Ether	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
1,3-Dichlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
1,4-Dichlorobenzene	N	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
1,2-Dichlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
2-Methylphenol	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Bis(2-Chloroisopropyl)Ether	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Hexachloroethane	N	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
N-Nitrosodi-n-propylamine	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
4-Methylphenol	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Isophorone	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
2-Nitrophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
2,4-Dimethylphenol	N	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Bis(2-Chloroethoxy)Methane	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:					17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:					422869	422870	422871	422872	422873	422874	422875	422876
Order No.:	Client Sample Ref.:					BH01	BH02	BH02	BH03	BH04	BH04	BH05	BH06
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					1.0	0.5	2.0	1.0	0.5	1.5	1.0	1.0
	Date Sampled:					09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:					COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD									
2,4-Dichlorophenol	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
1,2,4-Trichlorobenzene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Naphthalene	U	2790	mg/kg	0.50	5.6			< 0.50			< 0.50		
4-Chloroaniline	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Hexachlorobutadiene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
4-Chloro-3-Methylphenol	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2-Methylnaphthalene	U	2790	mg/kg	0.50	6.0			< 0.50			< 0.50		
4-Nitrophenol	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Hexachlorocyclopentadiene	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2,4,6-Trichlorophenol	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2,4,5-Trichlorophenol	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2-Chloronaphthalene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2-Nitroaniline	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Acenaphthylene	U	2790	mg/kg	0.50	< 0.50			0.73			< 0.50		
Dimethylphthalate	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2,6-Dinitrotoluene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Acenaphthene	U	2790	mg/kg	0.50	18			3.0			1.1		
3-Nitroaniline	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Dibenzofuran	U	2790	mg/kg	0.50	13			2.1			0.54		
4-Chlorophenylphenylether	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2,4-Dinitrotoluene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Fluorene	U	2790	mg/kg	0.50	14			2.3			0.77		
Diethyl Phthalate	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
4-Nitroaniline	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Azobenzene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
4-Bromophenylphenyl Ether	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Hexachlorobenzene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Pentachlorophenol	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Phenanthrene	U	2790	mg/kg	0.50	120			45			7.4		
Anthracene	U	2790	mg/kg	0.50	27			9.5			2.1		
Carbazole	U	2790	mg/kg	0.50	6.3			2.3			< 0.50		
Di-N-Butyl Phthalate	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Fluoranthene	U	2790	mg/kg	0.50	110			56			13		
Pyrene	U	2790	mg/kg	0.50	83			39			9.6		
Butylbenzyl Phthalate	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Benzo[a]anthracene	U	2790	mg/kg	0.50	34			18			5.6		
Chrysene	U	2790	mg/kg	0.50	32			17			5.3		
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		

Results - Soil

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422869	422870	422871	422872	422873	422874	422875	422876
Order No.:	Client Sample Ref.:				BH01	BH02	BH02	BH03	BH04	BH04	BH05	BH06
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				1.0	0.5	2.0	1.0	0.5	1.5	1.0	1.0
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD								
Di-N-Octyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Benzo[b]fluoranthene	U	2790	mg/kg	0.50	36		20			7.7		
Benzo[k]fluoranthene	U	2790	mg/kg	0.50	13		6.9			2.6		
Benzo[a]pyrene	U	2790	mg/kg	0.50	15		8.5			3.3		
Indeno(1,2,3-c,d)Pyrene	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Dibenz(a,h)Anthracene	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Benzo[g,h,i]perylene	U	2790	mg/kg	0.50	13		8.1			3.7		
Resorcinol	U	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
Phenol	U	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
Cresols	U	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
Xylenols	U	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
1-Naphthol	N	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
Total Phenols	U	2920	mg/kg	0.30	< 0.30		< 0.30	< 0.30		< 0.30		

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422877	422878	422879
Order No.:	Client Sample Ref.:				BH07	BH09	BH09
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.5	0.5	2.5
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A	-	-	-
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001			
Total Asbestos	N	2192	%	0.001			
Moisture	N	2030	%	0.020	18	14	12
pH	U	2010		N/A		8.6	
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40		< 0.40	
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010		0.013	
Cyanide (Free)	U	2300	mg/kg	0.50		< 0.50	
Cyanide (Total)	U	2300	mg/kg	0.50		< 0.50	
Arsenic	U	2450	mg/kg	1.0		11	
Beryllium	U	2450	mg/kg	1.0		< 1.0	
Cadmium	U	2450	mg/kg	0.10		0.95	
Chromium	U	2450	mg/kg	1.0		33	
Copper	U	2450	mg/kg	0.50		120	
Mercury	U	2450	mg/kg	0.10		0.18	
Nickel	U	2450	mg/kg	0.50		58	
Lead	U	2450	mg/kg	0.50		270	
Selenium	U	2450	mg/kg	0.20		< 0.20	
Vanadium	U	2450	mg/kg	5.0		38	
Zinc	U	2450	mg/kg	0.50		220	
Chromium (Hexavalent)	N	2490	mg/kg	0.50		< 0.50	
Fraction of Organic Carbon	U	2625		0.0010	0.050		0.037
Aliphatic TPH >C5-C6	N	2680	mg/kg	0.010	< 0.010		< 0.010
Aliphatic TPH >C6-C8	N	2680	mg/kg	0.010	< 0.010		< 0.010
Aliphatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10		< 0.10
Aliphatic TPH >C10-C12	N	2680	mg/kg	0.10	< 0.10		6.2
Aliphatic TPH >C12-C16	N	2680	mg/kg	0.10	< 0.10		3.7
Aliphatic TPH >C16-C21	N	2680	mg/kg	0.10	< 0.10		25
Aliphatic TPH >C21-C35	N	2680	mg/kg	0.10	< 0.10		56
Aliphatic TPH >C35-C44	N	2680	mg/kg	0.10	< 0.10		< 0.10
Total Aliphatic Hydrocarbons	N	2680	mg/kg	1.0	< 1.0		91
Aromatic TPH >C5-C7	N	2680	mg/kg	0.010	< 0.010		< 0.010
Aromatic TPH >C7-C8	N	2680	mg/kg	0.010	< 0.010		< 0.010
Aromatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10		< 0.10
Aromatic TPH >C10-C12	N	2680	mg/kg	0.10	< 0.10		1.2
Aromatic TPH >C12-C16	N	2680	mg/kg	0.10	< 0.10		27
Aromatic TPH >C16-C21	N	2680	mg/kg	0.10	3.6		170

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422877	422878	422879
Order No.:	Client Sample Ref.:				BH07	BH09	BH09
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.5	0.5	2.5
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Aromatic TPH >C21-C35	N	2680	mg/kg	0.10	< 0.10		1500
Aromatic TPH >C35-C44	N	2680	mg/kg	0.10	< 0.10		68
Total Aromatic Hydrocarbons	N	2680	mg/kg	1.0	3.6		1800
Total Petroleum Hydrocarbons	N	2680	mg/kg	2.0	3.6		1900
Methanal (Formaldehyde)	N		mg/kg	0.0050	0.040		0.11
Dichlorodifluoromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Chloromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Vinyl Chloride	U	2760	µg/kg	1.0	< 1.0		< 1.0
Bromomethane	U	2760	µg/kg	20	< 20		< 20
Chloroethane	U	2760	µg/kg	2.0	< 2.0		< 2.0
Trichlorofluoromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,1-Dichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Trans 1,2-Dichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,1-Dichloroethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
cis 1,2-Dichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Bromochloromethane	U	2760	µg/kg	5.0	< 5.0		< 5.0
Trichloromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,1,1-Trichloroethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Tetrachloromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,1-Dichloropropene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Benzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2-Dichloroethane	U	2760	µg/kg	2.0	< 2.0		< 2.0
Trichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2-Dichloropropane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Dibromomethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Bromodichloromethane	U	2760	µg/kg	5.0	< 5.0		< 5.0
cis-1,3-Dichloropropene	N	2760	µg/kg	10	< 10		< 10
Toluene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Trans-1,3-Dichloropropene	N	2760	µg/kg	10	< 10		< 10
1,1,2-Trichloroethane	U	2760	µg/kg	10	< 10		< 10
Tetrachloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,3-Dichloropropane	U	2760	µg/kg	2.0	< 2.0		< 2.0
Dibromochloromethane	U	2760	µg/kg	10	< 10		< 10
1,2-Dibromoethane	U	2760	µg/kg	5.0	< 5.0		< 5.0
Chlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,1,1,2-Tetrachloroethane	U	2760	µg/kg	2.0	< 2.0		< 2.0
Ethylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
m & p-Xylene	U	2760	µg/kg	1.0	< 1.0		< 1.0
o-Xylene	U	2760	µg/kg	1.0	< 1.0		< 1.0

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422877	422878	422879
Order No.:	Client Sample Ref.:				BH07	BH09	BH09
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.5	0.5	2.5
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Styrene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Tribromomethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Isopropylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Bromobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2,3-Trichloropropane	N	2760	µg/kg	50	< 50		< 50
N-Propylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
2-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,3,5-Trimethylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
4-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Tert-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2,4-Trimethylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Sec-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,3-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
4-Isopropyltoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,4-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
N-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50	< 50		< 50
1,2,4-Trichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Hexachlorobutadiene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0	< 2.0		< 2.0
Methyl Tert-Butyl Ether	U	2760	µg/kg	1.0	< 1.0		< 1.0
N-Nitrosodimethylamine	U	2790	mg/kg	0.50	< 0.50		< 0.50
Phenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Chlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
Bis-(2-Chloroethyl)Ether	U	2790	mg/kg	0.50	< 0.50		< 0.50
1,3-Dichlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
1,4-Dichlorobenzene	N	2790	mg/kg	0.50	< 0.50		< 0.50
1,2-Dichlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Methylphenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
Bis(2-Chloroisopropyl)Ether	U	2790	mg/kg	0.50	< 0.50		< 0.50
Hexachloroethane	N	2790	mg/kg	0.50	< 0.50		< 0.50
N-Nitrosodi-n-propylamine	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Methylphenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Isophorone	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Nitrophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50
2,4-Dimethylphenol	N	2790	mg/kg	0.50	< 0.50		< 0.50
Bis(2-Chloroethoxy)Methane	U	2790	mg/kg	0.50	< 0.50		< 0.50

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422877	422878	422879
Order No.:	Client Sample Ref.:				BH07	BH09	BH09
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.5	0.5	2.5
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
2,4-Dichlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
1,2,4-Trichlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Naphthalene	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Chloroaniline	N	2790	mg/kg	0.50	< 0.50		< 0.50
Hexachlorobutadiene	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Chloro-3-Methylphenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Methylnaphthalene	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Nitrophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50
Hexachlorocyclopentadiene	N	2790	mg/kg	0.50	< 0.50		< 0.50
2,4,6-Trichlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
2,4,5-Trichlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Chloronaphthalene	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Nitroaniline	U	2790	mg/kg	0.50	< 0.50		< 0.50
Acenaphthylene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Dimethylphthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50
2,6-Dinitrotoluene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Acenaphthene	U	2790	mg/kg	0.50	< 0.50		1.8
3-Nitroaniline	N	2790	mg/kg	0.50	< 0.50		< 0.50
Dibenzofuran	U	2790	mg/kg	0.50	< 0.50		0.89
4-Chlorophenylphenylether	U	2790	mg/kg	0.50	< 0.50		< 0.50
2,4-Dinitrotoluene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Fluorene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Diethyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Nitroaniline	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50
Azobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Bromophenylphenyl Ether	U	2790	mg/kg	0.50	< 0.50		< 0.50
Hexachlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Pentachlorophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50
Phenanthrene	U	2790	mg/kg	0.50	3.8		14
Anthracene	U	2790	mg/kg	0.50	1.0		4.5
Carbazole	U	2790	mg/kg	0.50	< 0.50		1.3
Di-N-Butyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50
Fluoranthene	U	2790	mg/kg	0.50	5.7		25
Pyrene	U	2790	mg/kg	0.50	< 0.50		19
Butylbenzyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50
Benzo[a]anthracene	U	2790	mg/kg	0.50	2.5		11
Chrysene	U	2790	mg/kg	0.50	2.5		10
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.50	< 0.50		< 0.50

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422877	422878	422879
Order No.:	Client Sample Ref.:				BH07	BH09	BH09
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.5	0.5	2.5
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Di-N-Octyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50
Benzo[b]fluoranthene	U	2790	mg/kg	0.50	3.4		14
Benzo[k]fluoranthene	U	2790	mg/kg	0.50	1.0		5.0
Benzo[a]pyrene	U	2790	mg/kg	0.50	1.5		5.9
Indeno(1,2,3-c,d)Pyrene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Dibenz(a,h)Anthracene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Benzo[g,h,i]perylene	U	2790	mg/kg	0.50	1.5		6.1
Resorcinol	U	2920	mg/kg	0.050	< 0.050		
Phenol	U	2920	mg/kg	0.050	< 0.050		
Cresols	U	2920	mg/kg	0.050	< 0.050		
Xylenols	U	2920	mg/kg	0.050	< 0.050		
1-Naphthol	N	2920	mg/kg	0.050	< 0.050		
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050		
Total Phenols	U	2920	mg/kg	0.30	< 0.30		

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.co.uk



2183

Final Report

Report No.:	17-05905-1		
Initial Date of Issue:	16-Mar-2017		
Client	Tergeo Consulting Ltd		
Client Address:	Unit 3 Lanwades Business Park Kentford Suffolk CB8 7PN		
Contact(s):	James Tansley Thomas		
Project	0293 Bury Travellers Site		
Quotation No.:		Date Received:	10-Mar-2017
Order No.:		Date Instructed:	10-Mar-2017
No. of Samples:	11		
Turnaround (Wkdays):	5	Results Due:	16-Mar-2017
Date Approved:	16-Mar-2017		
Approved By:			
Details:	Robert Monk, Technical Development Chemist		

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422869	422870	422871	422872	422873	422874	422875	422876
Order No.:	Client Sample Ref.:				BH01	BH02	BH02	BH03	BH04	BH04	BH05	BH06
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				1.0	0.5	2.0	1.0	0.5	1.5	1.0	1.0
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD								
ACM Type	U	2192		N/A	-	-	Fibres/Clumps	-	-	-	-	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile
Moisture	N	2030	%	0.020	14	18	15	12		13		16
pH	U	2010		N/A	8.6		9.3			8.7		8.6
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	< 0.40		< 0.40			< 0.40		< 0.40
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.020		0.14			< 0.010		0.036
Cyanide (Free)	U	2300	mg/kg	0.50	< 0.50		< 0.50			< 0.50		1.4
Cyanide (Total)	U	2300	mg/kg	0.50	2.2		0.50			0.80		7.8
Arsenic	U	2450	mg/kg	1.0	17		14			13		16
Beryllium	U	2450	mg/kg	1.0	< 1.0		1.7			< 1.0		1.0
Cadmium	U	2450	mg/kg	0.10	1.4		2.2			0.99		0.90
Chromium	U	2450	mg/kg	1.0	24		35			44		34
Copper	U	2450	mg/kg	0.50	95		130			120		120
Mercury	U	2450	mg/kg	0.10	0.29		0.24			0.26		0.27
Nickel	U	2450	mg/kg	0.50	34		44			47		44
Lead	U	2450	mg/kg	0.50	190		310			330		330
Selenium	U	2450	mg/kg	0.20	< 0.20		< 0.20			< 0.20		< 0.20
Vanadium	U	2450	mg/kg	5.0	25		31			36		30
Zinc	U	2450	mg/kg	0.50	160		320			250		270
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50		< 0.50			< 0.50		< 0.50
Fraction of Organic Carbon	U	2625		0.0010		0.038		0.019		0.032		0.041
Aliphatic TPH >C5-C6	N	2680	mg/kg	0.010	< 0.010		< 0.010			< 0.010		
Aliphatic TPH >C6-C8	N	2680	mg/kg	0.010	< 0.010		< 0.010			< 0.010		
Aliphatic TPH >C8-C10	N	2680	mg/kg	0.10	24		< 0.10			21		
Aliphatic TPH >C10-C12	N	2680	mg/kg	0.10	23		< 0.10			20		
Aliphatic TPH >C12-C16	N	2680	mg/kg	0.10	39		< 0.10			2.0		
Aliphatic TPH >C16-C21	N	2680	mg/kg	0.10	30		< 0.10			14		
Aliphatic TPH >C21-C35	N	2680	mg/kg	0.10	73		< 0.10			55		
Aliphatic TPH >C35-C44	N	2680	mg/kg	0.10	47		< 0.10			< 0.10		
Total Aliphatic Hydrocarbons	N	2680	mg/kg	1.0	230		< 1.0			110		
Aromatic TPH >C5-C7	N	2680	mg/kg	0.010	< 0.010		< 0.010			< 0.010		
Aromatic TPH >C7-C8	N	2680	mg/kg	0.010	< 0.010		< 0.010			< 0.010		
Aromatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10		< 0.10			< 0.10		
Aromatic TPH >C10-C12	N	2680	mg/kg	0.10	24		< 0.10			< 0.10		
Aromatic TPH >C12-C16	N	2680	mg/kg	0.10	290		10			8.4		
Aromatic TPH >C16-C21	N	2680	mg/kg	0.10	1100		73			130		
Aromatic TPH >C21-C35	N	2680	mg/kg	0.10	2700		180			1000		
Aromatic TPH >C35-C44	N	2680	mg/kg	0.10	110		13			< 0.10		

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:		17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:		422869	422870	422871	422872	422873	422874	422875	422876
Order No.:	Client Sample Ref.:		BH01	BH02	BH02	BH03	BH04	BH04	BH05	BH06
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		1.0	0.5	2.0	1.0	0.5	1.5	1.0	1.0
	Date Sampled:		09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD						
Total Aromatic Hydrocarbons	N	2680	mg/kg	1.0	4200		280		1200	
Total Petroleum Hydrocarbons	N	2680	mg/kg	2.0	4500		280		1300	
Methanal (Formaldehyde)	N		mg/kg	0.0050	0.064		0.035		0.021	
Dichlorodifluoromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Chloromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Vinyl Chloride	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Bromomethane	U	2760	µg/kg	20	< 20		< 20		< 20	
Chloroethane	U	2760	µg/kg	2.0	< 2.0		< 2.0		< 2.0	
Trichlorofluoromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
1,1-Dichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Trans 1,2-Dichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
1,1-Dichloroethane	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
cis 1,2-Dichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Bromochloromethane	U	2760	µg/kg	5.0	< 5.0		< 5.0		< 5.0	
Trichloromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
1,1,1-Trichloroethane	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Tetrachloromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
1,1-Dichloropropene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Benzene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
1,2-Dichloroethane	U	2760	µg/kg	2.0	< 2.0		< 2.0		< 2.0	
Trichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
1,2-Dichloropropane	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Dibromomethane	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Bromodichloromethane	U	2760	µg/kg	5.0	< 5.0		< 5.0		< 5.0	
cis-1,3-Dichloropropene	N	2760	µg/kg	10	< 10		< 10		< 10	
Toluene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Trans-1,3-Dichloropropene	N	2760	µg/kg	10	< 10		< 10		< 10	
1,1,2-Trichloroethane	U	2760	µg/kg	10	< 10		< 10		< 10	
Tetrachloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
1,3-Dichloropropane	U	2760	µg/kg	2.0	< 2.0		< 2.0		< 2.0	
Dibromochloromethane	U	2760	µg/kg	10	< 10		< 10		< 10	
1,2-Dibromoethane	U	2760	µg/kg	5.0	< 5.0		< 5.0		< 5.0	
Chlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
1,1,1,2-Tetrachloroethane	U	2760	µg/kg	2.0	< 2.0		< 2.0		< 2.0	
Ethylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
m & p-Xylene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
o-Xylene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Styrene	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	
Tribromomethane	U	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:					17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:					422869	422870	422871	422872	422873	422874	422875	422876
Order No.:	Client Sample Ref.:					BH01	BH02	BH02	BH03	BH04	BH04	BH05	BH06
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					1.0	0.5	2.0	1.0	0.5	1.5	1.0	1.0
	Date Sampled:					09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:					COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD									
Isopropylbenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Bromobenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,2,3-Trichloropropane	N	2760	µg/kg	50	< 50			< 50			< 50		
N-Propylbenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
2-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,3,5-Trimethylbenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
4-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Tert-Butylbenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,2,4-Trimethylbenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Sec-Butylbenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,3-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
4-Isopropyltoluene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,4-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
N-Butylbenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,2-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50	< 50			< 50			< 50		
1,2,4-Trichlorobenzene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
Hexachlorobutadiene	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0	< 2.0			< 2.0			< 2.0		
Methyl Tert-Butyl Ether	U	2760	µg/kg	1.0	< 1.0			< 1.0			< 1.0		
N-Nitrosodimethylamine	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Phenol	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2-Chlorophenol	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Bis-(2-Chloroethyl)Ether	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
1,3-Dichlorobenzene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
1,4-Dichlorobenzene	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
1,2-Dichlorobenzene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2-Methylphenol	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Bis(2-Chloroisopropyl)Ether	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Hexachloroethane	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
N-Nitrosodi-n-propylamine	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
4-Methylphenol	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Isophorone	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2-Nitrophenol	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2,4-Dimethylphenol	N	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
Bis(2-Chloroethoxy)Methane	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
2,4-Dichlorophenol	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		
1,2,4-Trichlorobenzene	U	2790	mg/kg	0.50	< 0.50			< 0.50			< 0.50		

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:		17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:		422869	422870	422871	422872	422873	422874	422875	422876
Order No.:	Client Sample Ref.:		BH01	BH02	BH02	BH03	BH04	BH04	BH05	BH06
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		1.0	0.5	2.0	1.0	0.5	1.5	1.0	1.0
	Date Sampled:		09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD						
Naphthalene	U	2790	mg/kg	0.50	5.6		< 0.50		< 0.50	
4-Chloroaniline	N	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Hexachlorobutadiene	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
4-Chloro-3-Methylphenol	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
2-Methylnaphthalene	U	2790	mg/kg	0.50	6.0		< 0.50		< 0.50	
4-Nitrophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Hexachlorocyclopentadiene	N	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
2,4,6-Trichlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
2,4,5-Trichlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
2-Chloronaphthalene	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
2-Nitroaniline	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Acenaphthylene	U	2790	mg/kg	0.50	< 0.50		0.73		< 0.50	
Dimethylphthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
2,6-Dinitrotoluene	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Acenaphthene	U	2790	mg/kg	0.50	18		3.0		1.1	
3-Nitroaniline	N	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Dibenzofuran	U	2790	mg/kg	0.50	13		2.1		0.54	
4-Chlorophenylphenylether	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
2,4-Dinitrotoluene	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Fluorene	U	2790	mg/kg	0.50	14		2.3		0.77	
Diethyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
4-Nitroaniline	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Azobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
4-Bromophenylphenyl Ether	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Hexachlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Pentachlorophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Phenanthrene	U	2790	mg/kg	0.50	120		45		7.4	
Anthracene	U	2790	mg/kg	0.50	27		9.5		2.1	
Carbazole	U	2790	mg/kg	0.50	6.3		2.3		< 0.50	
Di-N-Butyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Fluoranthene	U	2790	mg/kg	0.50	110		56		13	
Pyrene	U	2790	mg/kg	0.50	83		39		9.6	
Butylbenzyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Benzo[a]anthracene	U	2790	mg/kg	0.50	34		18		5.6	
Chrysene	U	2790	mg/kg	0.50	32		17		5.3	
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Di-N-Octyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50		< 0.50	
Benzo[b]fluoranthene	U	2790	mg/kg	0.50	36		20		7.7	

Results - Soil

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422869	422870	422871	422872	422873	422874	422875	422876
Order No.:	Client Sample Ref.:				BH01	BH02	BH02	BH03	BH04	BH04	BH05	BH06
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				1.0	0.5	2.0	1.0	0.5	1.5	1.0	1.0
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD								
Benzo[k]fluoranthene	U	2790	mg/kg	0.50	13		6.9			2.6		
Benzo[a]pyrene	U	2790	mg/kg	0.50	15		8.5			3.3		
Indeno(1,2,3-c,d)Pyrene	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Dibenz(a,h)Anthracene	U	2790	mg/kg	0.50	< 0.50		< 0.50			< 0.50		
Benzo[g,h,i]perylene	U	2790	mg/kg	0.50	13		8.1			3.7		
Resorcinol	U	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
Phenol	U	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
Cresols	U	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
Xylenols	U	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
1-Naphthol	N	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050		< 0.050	< 0.050		< 0.050		
Total Phenols	U	2920	mg/kg	0.30	< 0.30		< 0.30	< 0.30		< 0.30		

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422877	422878	422879
Order No.:	Client Sample Ref.:				BH07	BH09	BH09
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.5	0.5	2.5
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A	-	-	-
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	18	14	12
pH	U	2010		N/A		8.6	
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40		< 0.40	
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010		0.013	
Cyanide (Free)	U	2300	mg/kg	0.50		< 0.50	
Cyanide (Total)	U	2300	mg/kg	0.50		< 0.50	
Arsenic	U	2450	mg/kg	1.0		11	
Beryllium	U	2450	mg/kg	1.0		< 1.0	
Cadmium	U	2450	mg/kg	0.10		0.95	
Chromium	U	2450	mg/kg	1.0		33	
Copper	U	2450	mg/kg	0.50		120	
Mercury	U	2450	mg/kg	0.10		0.18	
Nickel	U	2450	mg/kg	0.50		58	
Lead	U	2450	mg/kg	0.50		270	
Selenium	U	2450	mg/kg	0.20		< 0.20	
Vanadium	U	2450	mg/kg	5.0		38	
Zinc	U	2450	mg/kg	0.50		220	
Chromium (Hexavalent)	N	2490	mg/kg	0.50		< 0.50	
Fraction of Organic Carbon	U	2625		0.0010	0.050		0.037
Aliphatic TPH >C5-C6	N	2680	mg/kg	0.010	< 0.010		< 0.010
Aliphatic TPH >C6-C8	N	2680	mg/kg	0.010	< 0.010		< 0.010
Aliphatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10		< 0.10
Aliphatic TPH >C10-C12	N	2680	mg/kg	0.10	< 0.10		6.2
Aliphatic TPH >C12-C16	N	2680	mg/kg	0.10	< 0.10		3.7
Aliphatic TPH >C16-C21	N	2680	mg/kg	0.10	< 0.10		25
Aliphatic TPH >C21-C35	N	2680	mg/kg	0.10	< 0.10		56
Aliphatic TPH >C35-C44	N	2680	mg/kg	0.10	< 0.10		< 0.10
Total Aliphatic Hydrocarbons	N	2680	mg/kg	1.0	< 1.0		91
Aromatic TPH >C5-C7	N	2680	mg/kg	0.010	< 0.010		< 0.010
Aromatic TPH >C7-C8	N	2680	mg/kg	0.010	< 0.010		< 0.010
Aromatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10		< 0.10
Aromatic TPH >C10-C12	N	2680	mg/kg	0.10	< 0.10		1.2
Aromatic TPH >C12-C16	N	2680	mg/kg	0.10	< 0.10		27
Aromatic TPH >C16-C21	N	2680	mg/kg	0.10	3.6		170
Aromatic TPH >C21-C35	N	2680	mg/kg	0.10	< 0.10		1500
Aromatic TPH >C35-C44	N	2680	mg/kg	0.10	< 0.10		68

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422877	422878	422879
Order No.:	Client Sample Ref.:				BH07	BH09	BH09
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.5	0.5	2.5
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Total Aromatic Hydrocarbons	N	2680	mg/kg	1.0	3.6		1800
Total Petroleum Hydrocarbons	N	2680	mg/kg	2.0	3.6		1900
Methanal (Formaldehyde)	N		mg/kg	0.0050	0.040		0.11
Dichlorodifluoromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Chloromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Vinyl Chloride	U	2760	µg/kg	1.0	< 1.0		< 1.0
Bromomethane	U	2760	µg/kg	20	< 20		< 20
Chloroethane	U	2760	µg/kg	2.0	< 2.0		< 2.0
Trichlorofluoromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,1-Dichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Trans 1,2-Dichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,1-Dichloroethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
cis 1,2-Dichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Bromochloromethane	U	2760	µg/kg	5.0	< 5.0		< 5.0
Trichloromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,1,1-Trichloroethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Tetrachloromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,1-Dichloropropene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Benzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2-Dichloroethane	U	2760	µg/kg	2.0	< 2.0		< 2.0
Trichloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2-Dichloropropane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Dibromomethane	U	2760	µg/kg	1.0	< 1.0		< 1.0
Bromodichloromethane	U	2760	µg/kg	5.0	< 5.0		< 5.0
cis-1,3-Dichloropropene	N	2760	µg/kg	10	< 10		< 10
Toluene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Trans-1,3-Dichloropropene	N	2760	µg/kg	10	< 10		< 10
1,1,2-Trichloroethane	U	2760	µg/kg	10	< 10		< 10
Tetrachloroethene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,3-Dichloropropane	U	2760	µg/kg	2.0	< 2.0		< 2.0
Dibromochloromethane	U	2760	µg/kg	10	< 10		< 10
1,2-Dibromoethane	U	2760	µg/kg	5.0	< 5.0		< 5.0
Chlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,1,1,2-Tetrachloroethane	U	2760	µg/kg	2.0	< 2.0		< 2.0
Ethylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
m & p-Xylene	U	2760	µg/kg	1.0	< 1.0		< 1.0
o-Xylene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Styrene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Tribromomethane	U	2760	µg/kg	1.0	< 1.0		< 1.0

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422877	422878	422879
Order No.:	Client Sample Ref.:				BH07	BH09	BH09
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.5	0.5	2.5
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Isopropylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Bromobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2,3-Trichloropropane	N	2760	µg/kg	50	< 50		< 50
N-Propylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
2-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,3,5-Trimethylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
4-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Tert-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2,4-Trimethylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Sec-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,3-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
4-Isopropyltoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,4-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
N-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50	< 50		< 50
1,2,4-Trichlorobenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0
Hexachlorobutadiene	U	2760	µg/kg	1.0	< 1.0		< 1.0
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0	< 2.0		< 2.0
Methyl Tert-Butyl Ether	U	2760	µg/kg	1.0	< 1.0		< 1.0
N-Nitrosodimethylamine	U	2790	mg/kg	0.50	< 0.50		< 0.50
Phenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Chlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
Bis-(2-Chloroethyl)Ether	U	2790	mg/kg	0.50	< 0.50		< 0.50
1,3-Dichlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
1,4-Dichlorobenzene	N	2790	mg/kg	0.50	< 0.50		< 0.50
1,2-Dichlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Methylphenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
Bis(2-Chloroisopropyl)Ether	U	2790	mg/kg	0.50	< 0.50		< 0.50
Hexachloroethane	N	2790	mg/kg	0.50	< 0.50		< 0.50
N-Nitrosodi-n-propylamine	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Methylphenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Isophorone	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Nitrophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50
2,4-Dimethylphenol	N	2790	mg/kg	0.50	< 0.50		< 0.50
Bis(2-Chloroethoxy)Methane	U	2790	mg/kg	0.50	< 0.50		< 0.50
2,4-Dichlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
1,2,4-Trichlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422877	422878	422879
Order No.:	Client Sample Ref.:				BH07	BH09	BH09
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.5	0.5	2.5
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Naphthalene	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Chloroaniline	N	2790	mg/kg	0.50	< 0.50		< 0.50
Hexachlorobutadiene	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Chloro-3-Methylphenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Methylnaphthalene	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Nitrophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50
Hexachlorocyclopentadiene	N	2790	mg/kg	0.50	< 0.50		< 0.50
2,4,6-Trichlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
2,4,5-Trichlorophenol	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Chloronaphthalene	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Nitroaniline	U	2790	mg/kg	0.50	< 0.50		< 0.50
Acenaphthylene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Dimethylphthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50
2,6-Dinitrotoluene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Acenaphthene	U	2790	mg/kg	0.50	< 0.50		1.8
3-Nitroaniline	N	2790	mg/kg	0.50	< 0.50		< 0.50
Dibenzofuran	U	2790	mg/kg	0.50	< 0.50		0.89
4-Chlorophenylphenylether	U	2790	mg/kg	0.50	< 0.50		< 0.50
2,4-Dinitrotoluene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Fluorene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Diethyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Nitroaniline	U	2790	mg/kg	0.50	< 0.50		< 0.50
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50
Azobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
4-Bromophenylphenyl Ether	U	2790	mg/kg	0.50	< 0.50		< 0.50
Hexachlorobenzene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Pentachlorophenol	N	2790	mg/kg	0.50	< 0.50		< 0.50
Phenanthrene	U	2790	mg/kg	0.50	3.8		14
Anthracene	U	2790	mg/kg	0.50	1.0		4.5
Carbazole	U	2790	mg/kg	0.50	< 0.50		1.3
Di-N-Butyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50
Fluoranthene	U	2790	mg/kg	0.50	5.7		25
Pyrene	U	2790	mg/kg	0.50	< 0.50		19
Butylbenzyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50
Benzo[a]anthracene	U	2790	mg/kg	0.50	2.5		11
Chrysene	U	2790	mg/kg	0.50	2.5		10
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.50	< 0.50		< 0.50
Di-N-Octyl Phthalate	U	2790	mg/kg	0.50	< 0.50		< 0.50
Benzo[b]fluoranthene	U	2790	mg/kg	0.50	3.4		14

Project: 0293 Bury Travellers Site

Client: Tergeo Consulting Ltd	Chemtest Job No.:				17-05905	17-05905	17-05905
Quotation No.:	Chemtest Sample ID.:				422877	422878	422879
Order No.:	Client Sample Ref.:				BH07	BH09	BH09
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.5	0.5	2.5
	Date Sampled:				09-Mar-2017	09-Mar-2017	09-Mar-2017
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Benzo[k]fluoranthene	U	2790	mg/kg	0.50	1.0		5.0
Benzo[a]pyrene	U	2790	mg/kg	0.50	1.5		5.9
Indeno(1,2,3-c,d)Pyrene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Dibenz(a,h)Anthracene	U	2790	mg/kg	0.50	< 0.50		< 0.50
Benzo[g,h,i]perylene	U	2790	mg/kg	0.50	1.5		6.1
Resorcinol	U	2920	mg/kg	0.050	< 0.050		
Phenol	U	2920	mg/kg	0.050	< 0.050		
Cresols	U	2920	mg/kg	0.050	< 0.050		
Xylenols	U	2920	mg/kg	0.050	< 0.050		
1-Naphthol	N	2920	mg/kg	0.050	< 0.050		
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050		
Total Phenols	U	2920	mg/kg	0.30	< 0.30		

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.co.uk

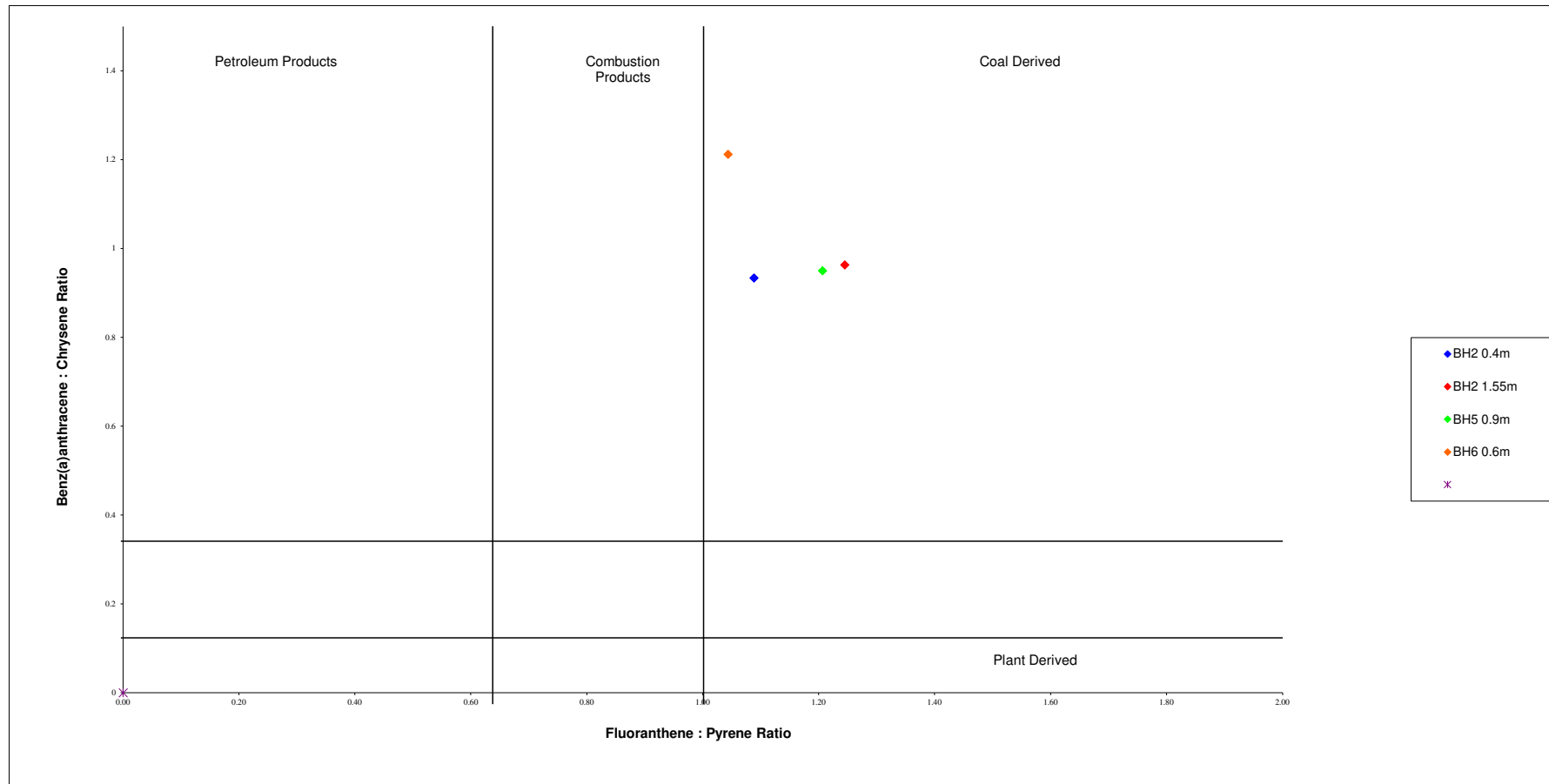
Source Signature Double Ratio Plot

Project Number:	11542
Laboratory Reference Number:	21-04301-1

Sample Type:	Made ground
Laboratory:	Envirolab

Sample No.	BH2 0.4m	BH2 1.55m	BH5 0.9m	BH6 0.6m	
Benzo(a)anthracene	59	0.26	11.4	183	
Chrysene	63.2	0.27	12	151	
Fluoranthene	101	0.61	29.2	240	
Pyrene	92.8	0.49	24.2	230	

All concentrations are in mg/kg



APPENDIX J

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH

Generic assessment criteria for human health: residential scenario with home-grown produce

Background

RSK's generic assessment criteria (GAC) were initially prepared following the publication by the Environment Agency (EA) of soil guideline value (SGV) and toxicological (TOX) reports, and associated publications in 2009⁽¹⁾. RSK GAC were updated following the publication of GAC by LQM/CIEH in 2009⁽²⁾. RSK GAC are periodically revised when updated information on toxicological, land use or receptor parameters is published.

Updates to the RSK GAC

In 2014, the publication of Category 4 Screening Levels (C4SL)^(3,4), as part of the Defra-funded research project SP1010, included modifications to certain exposure assumptions documented within EA Science Report SC050221/SR3 (herein after referred to as SR3)⁽⁵⁾ used in the generation of SGVs.

C4SL were initially published for six substances (cadmium, arsenic, benzene, benzo(a)pyrene, chromium VI and lead) for a sandy loam soil type with 6% soil organic matter, based on a low level of toxicological concern (LLTC; see Section 2.3 of research project report SP1010⁽³⁾). Further C4SL were published in 2021 for vinyl chloride, tetrachloroethene (PCE) and trichloroethene (TCE). Where a C4SL has been published, the RSK GAC duplicates the C4SL using all input parameters within the SP1010 final project report⁽³⁾ and associated chemical specific reports⁽⁶⁾, and adopts them as GAC for these substances. Due to the use of decimal places rather than significant figures applied to the Contaminated Land Exposure Assessment (CLEA) tool outputs, the GAC presented may be marginally differently to the C4SL values, however any differences between the values are minimal and would not equate to an unacceptable risk.

For all other substances the C4SL exposure modifications, with the exception of the “top two” produce type approach taken in the C4SL, have been applied to the current RSK GAC. These include alterations to daily inhalation rates for residential and commercial scenarios, reducing soil adherence factors in children (age classes 1 to 12 only) for residential land use, reducing exposure frequency for dermal contact outdoors for residential land use, and updated produce type consumption rates (90th percentile) based on recent data from the National Diet and Nutrition Survey.

The RSK GAC have also been revised with updated toxicology published by LQM/CIEH in 2015⁽⁷⁾ or by the USEPA⁽¹⁴⁾, where a C4SL has not been published.

RSK GAC derivation for metals and organic compounds

Model selection

Soil assessment criteria (SAC) were calculated using the CLEA tool v1.071, supporting EA guidance^(5,8,9) and revised exposure scenarios published for the C4SL⁽³⁾. The SAC are also termed GAC.

Conceptual model

In accordance with SR3⁽⁵⁾, the residential with home-grown produce scenario considers risks to a female child between the ages of 0 and 6 years old as the highest risk scenario. In accordance with Box 3.1 of SR3⁽⁵⁾, the pathways considered for production of the SAC in the residential with home-grown produce scenario are

- direct soil and dust ingestion
- consumption of home-grown produce
- consumption of soil attached to home-grown produce
- dermal contact with soil and indoor dust
- inhalation of indoor and outdoor dust and vapours.

Figure 1 is a conceptual model illustrating these linkages.

In line with guidance in the EA SGV report for cadmium⁽¹⁾, the RSK GAC for cadmium has been derived based on estimates representative of lifetime exposure. Although young children are generally more likely to have higher exposures to soil contaminants, the renal toxicity of cadmium, and the derivation of the TDI_{oral} and TDI_{inh} , are based on considerations of the kidney burden accumulated over 50 years or so. It is therefore reasonable to consider exposure not just in childhood but averaged over a longer period.

With respect to volatilisation, the CLEA model assumes a simple linear partitioning of a chemical in the soil between the sorbed, dissolved and vapour phase⁽⁹⁾. The upper boundaries of this partitioning are represented by the maximum aqueous solubility and pure saturated vapour concentration of the chemical. The CLEA model estimates saturated soil concentrations where these limits are reached⁽⁹⁾. The CLEA software uses a traffic light system to identify when individual and/or combined assessment criteria exceed the lower of either the aqueous- or vapour-based soil saturation limits. Model output cells are flagged red where the saturated soil concentration has been exceeded and the contribution of the indoor and outdoor vapour pathway to total exposure is greater than 10%. In this case, further consideration of the following is required⁽⁹⁾:

- Free phase contamination may be present.
- Exposure from the vapour pathways will be over-predicted by the model, as in reality the vapour phase concentration will not increase at concentrations above saturation limits
- Where the vapour pathway contribution is greater than 90%, it is unlikely the relevant health criteria value (HCV) will be exceeded at soil concentrations at least a factor of ten higher than the relevant HCV.

Where the vapour pathway is the predominant pathway (contributes greater than 90% of exposure) or the only exposure route considered and the cell is highlighted red (SAC exceeds saturation limit), the risk based on the assumed conceptual model is likely to be negligible as the vapour risk is assumed to be tolerable at maximum possible soil concentrations. In such circumstances, the vapour pathway exposure should be considered based on the presence of free phase or non-aqueous phase liquid sources and the measured concentrations of volatile organic compounds (VOC) in the vapour phase. Screening could be considered based on setting the SAC as the modelled soil saturation limits. However, as stated within the CLEA handbook⁽⁹⁾, this is likely to not be practical in many cases because of the very low saturation limits and, in any case, is highly conservative.

It should also be noted that for mixtures of compounds, free phase may be present where soil (or groundwater) concentrations are well below saturation limits for individual compounds.

Where the vapour pathway is only one of the exposure pathways considered, an additional approach can then be utilised as detailed within Section 4.12 of the CLEA model handbook⁽⁹⁾, which explains how to calculate an effective assessment criterion manually.

SR3⁽⁵⁾ states that, as a general rule of thumb, it is recognised that estimating vapour phase concentrations from dissolved and sorbed phase contamination by petroleum hydrocarbons are at least a factor of ten higher than those likely to be measured on-site. RSK has therefore applied an empirical subsurface to indoor air correction factor of 10 into the CLEA model chemical database for all petroleum hydrocarbon fractions (including BTEX, trimethylbenzenes and the polycyclic aromatic hydrocarbons (PAH) naphthalene, acenaphthene and acenaphthylene) to reduce this conservatism.

Input selection

The most up-to-date published chemical and toxicological data was obtained from EA Report SC050021/SR7⁽¹⁰⁾, the EA TOX⁽¹⁾ reports, the C4SL SP1010 project report and associated appendices^(3,6), the 2015 LQM/CIEH report⁽⁷⁾ or the USEPA IRIS database⁽¹⁴⁾. Where a LLTC^(3,6) has been published for a substance, RSK has used these input parameters to derive the RSK GAC. Toxicological and specific chemical parameters for 1,2,4-trimethylbenzene, barium, methyl tertiary-butyl ether (MTBE), 1,1,2-trichloroethane, 1,1-dichloroethene, 1,2-dichloropropane, 2-chloronaphthalene, chloroethane, chloromethane, cis 1,2-dichloroethene, dichloromethane, hexachloroethane and trans 1,2-dichloroethene were obtained from the CL:AIRE Soil Generic Assessment Criteria report⁽¹¹⁾.

For TPH, aromatic hydrocarbons C₅–C₈ were not modelled, as this range comprises benzene (>EC5-EC7) and toluene (>EC7-EC8), which are modelled separately.

Physical parameters

For the residential with home-grown produce scenario, the CLEA default building is a small, two-storey terrace house with a concrete ground-bearing slab. The house is assumed to have a 100m² private garden consisting of lawn and flowerbeds, incorporating a 20m² plot for growing fruit and vegetables consumed by the residents. SR3⁽⁵⁾ notes this residential building type to be the most conservative in terms of potential for vapour intrusion. The building parameters used in the production of the RSK GACs are the default CLEA v1.06 inputs presented in Table 3.3 of SR3⁽³⁾, with a dust loading factor detailed in Section 9.3 of SR3⁽⁵⁾. The parameters for a sandy loam soil type were used in line with Table 4.4 of SR3⁽⁵⁾. This includes a value of 6% for the percentage of soil organic matter (SOM) within the soil. In RSK's experience, this is rather high for many sites. To avoid undertaking site-specific risk assessments for SOM, RSK has produced an additional set of GAC for SOM of 1% and 2.5% for all substances using the CLEA tool.

Summary of modifications to the default CLEA SR3⁽⁵⁾ input parameters for residential with home-grown produce land-use scenario

In summary, the RSK GAC were produced using the default input parameters for soil properties, the air dispersion model, building properties and the vapour model detailed in SR3⁽⁵⁾. Modifications to the default SR3⁽⁵⁾ exposure scenarios based on the C4SL exposure scenarios⁽³⁾ are presented in Tables 2 and 3 below.

The final selected GAC are presented by pathway in Table 4 and the combined GAC in Table 5.

Figure 1: Conceptual model for residential scenario with home-grown produce

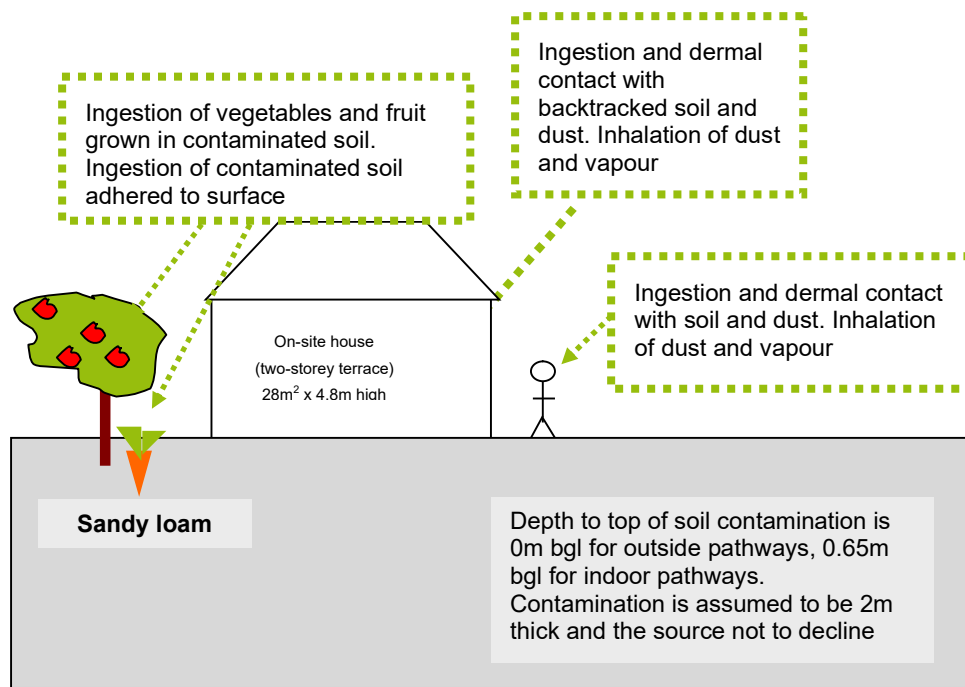


Table 1: Exposure assessment parameters for residential scenario with home-grown produce – inputs for CLEA model

Parameter	Value	Justification
Land use	Residential with homegrown produce	Chosen land use
Receptor	Female child age 1 to 6	Key generic assumption given in Box 3.1, SR3 ⁽⁵⁾
Building	Small terraced house	Key generic assumption given in Box 3.1, SR3. Small, two-storey terraced house chosen, as it is the most conservative residential building type in terms of protection from vapor intrusion (Section 3.4.6, SR3) ⁽⁵⁾
Soil type	Sandy Loam	Most common UK soil type (Section 4.3.1, from Table 3.1, SR3) ⁽⁵⁾
Start AC (age class)	1	Range of age classes corresponding to key generic assumption that the critical receptor is a young female child aged 0–6. From Box 3.1, SR3 ⁽⁵⁾
End AC (age class)	6	
SOM (%)	6	Representative of sandy loamy soil according to EA guidance note dated January 2009 entitled 'Changes We Have Made to the CLEA Framework Documents' ⁽¹³⁾
	1	To provide SAC for sites where SOM <6% as often observed by RSK
	2.5	
pH	7	Model default

Table 2: Residential with home-grown produce – modified home-grown produce data

Name	Consumption rate 90 th percentile (g FW kg ⁻¹ BW day ⁻¹) by age class						Dry weight conversion factor (g DW g ⁻¹ FW)	Home-grown fraction (average)	Home-grown fraction (high end)	Soil loading factor (g g ⁻¹ DW)	Preparation correction factor
	1	2	3	4	5	6					
Green vegetables	7.12	5.87	5.87	5.87	4.53	4.53	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	10.7	2.83	2.83	2.83	2.14	2.14	0.103	0.06	0.4	1.00E-03	1.00E+00
Tuber vegetables	16	6.6	6.6	6.6	4.95	4.95	0.21	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	1.83	3.39	3.39	3.39	2.24	2.24	0.058	0.06	0.4	1.00E-03	6.00E-01
Shrub fruit	2.23	0.46	0.46	0.46	0.19	0.19	0.166	0.09	0.6	1.00E-03	6.00E-01
Tree fruit	3.82	10.3	10.3	10.3	5.16	5.16	0.157	0.04	0.27	1.00E-03	6.00E-01
Justification	Table 3.4, SP1010 ⁽³⁾						Table 6.3, SR3 ⁽⁵⁾	Table 4.19, SR3 ⁽⁵⁾		Table 6.3, SR3 ⁽⁵⁾	

Table 3: Residential with home-grown produce – modified use and receptor data

Parameter	Unit	Age class					
		1	2	3	4	5	6
EF (soil and dust ingestion)	day yr ⁻¹	180	365	365	365	365	365
EF (consumption of home-grown produce)	day yr ⁻¹	180	365	365	365	365	365
EF (skin contact, indoor)	day yr ⁻¹	180	365	365	365	365	365
EF (skin contact, outdoor)	day yr ⁻¹	170	170	170	170	170	170
EF (inhalation of dust and vapour, indoor)	day yr ⁻¹	365	365	365	365	365	365
EF (inhalation of dust and vapour, outdoor)	day yr ⁻¹	365	365	365	365	365	365
Justification		Table 3.5, SP1010 ⁽³⁾ ; Table 3.1, SR3 ⁽⁵⁾					
Soil to skin adherence factor (outdoor)	mg cm ⁻² day ⁻¹	0.1	0.1	0.1	0.1	0.1	0.1
Justification		Table 3.5, SP1010 ⁽³⁾					
Inhalation rate	m ³ day ⁻¹	5.4	8.0	8.9/f	10.1	10.1	10.1
Justification		Mean value USEPA, 2011 ⁽¹²⁾ ; Table 3.2, SP1010 ⁽³⁾					
Notes: For cadmium , the exposure assessment for a residential land use is based on estimates representative of lifetime exposure AC1-18. This is because the TDI _{oral} and TDI _{inh} are based on considerations of the kidney burden accumulated over 50 years. It is therefore reasonable to consider exposure not just in childhood but averaged over a longer period. See the Environment Agency Science Report SC05002/ TOX 3 ⁽¹⁾ , Science Report SC050021/Cadmium SGV ⁽¹⁾ and the project report SP1010 ⁽³⁾ for more information.							

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GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 4

Human Health Generic Assessment Criteria by Pathway for Residential With Home-Grown Produce Scenario

Compound	Notes	SAC Appropriate to Pathway SOM 1% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 2.5% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 6% (mg/kg)			Soil Saturation Limit (mg/kg)
		Oral	Inhalation	Combined		Oral	Inhalation	Combined		Oral	Inhalation	Combined	
Metals													
Arsenic	(a,b)	3.71E+01	5.26E+02	NR	NR	3.71E+01	5.26E+02	NR	NR	3.71E+01	5.26E+02	NR	NR
Barium	(b)	1.34E+03	NR	NR	NR	1.34E+03	NR	NR	NR	1.34E+03	NR	NR	NR
Beryllium		1.13E+02	1.72E+00	NR	NR	1.13E+02	1.72E+00	NR	NR	1.13E+02	1.72E+00	NR	NR
Boron		3.00E+02	5.20E+06	NR	NR	3.00E+02	5.20E+06	NR	NR	3.00E+02	5.20E+06	NR	NR
Cadmium	(a)	2.30E+01	4.88E+02	2.21E+01	NR	2.30E+01	4.88E+02	2.21E+01	NR	2.30E+01	4.88E+02	2.21E+01	NR
Chromium (III) - trivalent	(c)	1.84E+04	9.07E+02	NR	NR	1.84E+04	9.07E+02	NR	NR	1.84E+04	9.07E+02	NR	NR
Chromium (VI) - hexavalent	(a,d)	5.85E+01	2.06E+01	NR	NR	5.85E+01	2.06E+01	NR	NR	5.85E+01	2.06E+01	NR	NR
Copper		2.72E+03	1.41E+04	2.47E+03	NR	2.72E+03	1.41E+04	2.47E+03	NR	2.72E+03	1.41E+04	2.47E+03	NR
Lead	(a)	2.01E+02	NR	NR	NR	2.01E+02	NR	NR	NR	2.01E+02	NR	NR	NR
Elemental Mercury (Hg ⁰)	(d)	NR	2.35E-01	NR	4.31E+00	NR	5.60E-01	NR	1.07E+01	NR	1.22E+00	NR	2.58E+01
Inorganic Mercury (Hg ²⁺)		3.95E+01	3.63E+03	3.91E+01	NR	3.95E+01	3.63E+03	3.91E+01	NR	3.95E+01	3.63E+03	3.91E+01	NR
Methyl Mercury (Hg ⁴⁺)		1.26E+01	1.87E+01	7.52E+00	7.33E+01	1.26E+01	3.62E+01	9.34E+00	1.42E+02	1.26E+01	7.68E+01	1.08E+01	3.04E+02
Nickel	(d)	1.27E+02	1.81E+02	NR	NR	1.27E+02	1.81E+02	NR	NR	1.27E+02	1.81E+02	NR	NR
Selenium	(b)	2.58E+02	NR	NR	NR	2.58E+02	NR	NR	NR	2.58E+02	NR	NR	NR
Vanadium		4.13E+02	1.46E+03	NR	NR	4.13E+02	1.46E+03	NR	NR	4.13E+02	1.46E+03	NR	NR
Zinc	(b)	3.86E+03	3.63E+07	NR	NR	3.86E+03	3.63E+07	NR	NR	3.86E+03	3.63E+07	NR	NR
Cyanide (free)		1.37E+00	1.37E+04	1.37E+00	NR	1.37E+00	1.37E+04	1.37E+00	NR	1.37E+00	1.37E+04	1.37E+00	NR
Volatile Organic Compounds													
Benzene	(a)	2.62E-01	9.01E-01	2.03E-01	1.22E+03	5.39E-01	1.68E+00	4.08E-01	2.26E+03	1.16E+00	3.48E+00	8.72E-01	4.71E+03
Toluene		1.53E+02	9.08E+02	1.31E+02	8.69E+02	3.49E+02	2.00E+03	2.97E+02	1.92E+03	7.95E+02	4.55E+03	6.77E+02	4.36E+03
Ethylbenzene		1.10E+02	8.34E+01	4.74E+01	5.18E+02	2.61E+02	1.96E+02	1.12E+02	1.22E+03	6.00E+02	4.58E+02	2.60E+02	2.84E+03
Xylene - m		2.10E+02	8.25E+01	5.92E+01	6.25E+02	5.01E+02	1.95E+02	1.40E+02	1.47E+03	1.15E+03	4.56E+02	3.27E+02	3.46E+03
Xylene - o		1.92E+02	8.87E+01	6.07E+01	4.78E+02	4.56E+02	2.08E+02	1.43E+02	1.12E+03	1.05E+03	4.86E+02	3.32E+02	2.62E+03
Xylene - p		1.98E+02	7.93E+01	5.66E+01	5.76E+02	4.70E+02	1.86E+02	1.33E+02	1.35E+03	1.08E+03	4.36E+02	3.10E+02	3.17E+03
Total xylene		1.92E+02	7.93E+01	5.66E+01	6.25E+02	4.56E+02	1.86E+02	1.33E+02	1.47E+03	1.05E+03	4.36E+02	3.10E+02	3.46E+03
Methyl tertiary-Butyl ether (MTBE)		1.54E+02	1.04E+02	6.22E+01	2.04E+04	2.97E+02	1.69E+02	1.08E+02	3.31E+04	6.03E+02	3.21E+02	2.10E+02	6.27E+04
1,1,1,2-Tetrachloroethane		5.39E+00	1.54E+00	1.20E+00	2.60E+03	1.27E+01	3.56E+00	2.78E+00	6.02E+03	2.92E+01	8.29E+00	6.46E+00	1.40E+04
1,1,2,2-Tetrachloroethane		2.81E+00	3.92E+00	1.64E+00	2.67E+03	6.10E+00	8.04E+00	3.47E+00	5.46E+03	1.36E+01	1.76E+01	7.67E+00	1.20E+04
1,1,1-Trichloroethane		3.33E+02	9.01E+00	8.77E+00	1.43E+03	7.26E+02	1.84E+01	1.80E+01	2.92E+03	1.62E+03	4.04E+01	3.94E+01	6.39E+03
1,1,2 Trichloroethane		1.95E+00	1.25E+00	7.62E-01	4.03E+03	4.21E+00	2.55E+00	1.59E+00	8.21E+03	9.35E+00	5.59E+00	3.50E+00	1.80E+04
1,1-Dichloroethene		1.93E+01	3.29E-01	3.23E-01	2.23E+03	3.85E+01	5.82E-01	5.74E-01	3.94E+03	8.15E+01	1.17E+00	1.16E+00	7.94E+03
1,2-Dichloroethane		3.17E-02	9.20E-03	7.13E-03	3.41E+03	5.73E-02	1.33E-02	1.08E-02	4.91E+03	1.09E-01	2.28E-02	1.88E-02	8.43E+03
1,2,4-Trimethylbenzene		NR	1.76E+00	NR	4.74E+02	NR	4.26E+00	NR	1.16E+03	NR	9.72E+00	NR	2.76E+03
1,3,5-Trimethylbenzene	(e)	NR	NR	NR	2.30E+02	NR	NR	NR	5.52E+02	NR	NR	NR	1.30E+03
1,2-Dichloropropane		4.28E+00	3.40E-02	3.37E-02	1.19E+03	8.44E+00	6.00E-02	5.96E-02	2.11E+03	1.77E+01	1.21E-01	1.20E-01	4.24E+03
Carbon Tetrachloride (tetrachloromethane)		3.10E+00	2.58E-02	2.57E-02	1.52E+03	7.11E+00	5.65E-02	5.62E-02	3.32E+03	1.62E+01	1.28E-01	1.27E-01	7.54E+03
Chloroethane		NR	1.17E+01	NR	2.61E+03	NR	1.59E+01	NR	3.54E+03	NR	2.57E+01	NR	5.71E+03
Chloromethane		NR	1.17E-02	NR	1.91E+03	NR	1.38E-02	NR	2.24E+03	NR	1.85E-02	NR	2.99E+03
Cis 1,2 Dichloroethene		1.56E-01	NR	NR	3.94E+03	2.66E-01	NR	NR	6.61E+03	5.18E-01	NR	NR	1.29E+04
Dichloromethane		7.04E-01	3.05E+00	6.24E-01	7.27E+03	1.27E+00	4.06E+00	1.08E+00	9.68E+03	2.33E+00	6.42E+00	1.92E+00	1.53E+04
Tetrachloroethene (PCE)		1.33E+01	3.19E-01	3.11E-01	4.24E+02	3.11E+01	7.15E-01	6.99E-01	9.51E+02	7.12E+01	1.64E+00	1.60E+00	2.18E+03
Trans 1,2 Dichloroethene		6.45E+00	2.76E-01	NR	3.42E+03	1.29E+01	4.99E-01	NR	6.17E+03	2.74E+01	1.02E+00	NR	1.26E+04
Trichloroethene (TCE)		9.30E-03	3.61E-02	NR	1.54E+03	1.95E-02	7.57E-02	NR	3.22E+03	4.34E-02	1.68E-01	NR	7.14E+03
Vinyl Chloride (chloroethene)		1.13E-02	1.47E-02	6.38E-03	1.36E+03	2.09E-02	1.90E-02	9.97E-03	1.76E+03	3.88E-02	2.91E-02	1.66E-02	2.69E+03
Semi-Volatile Organic Compounds													
2-Chloronaphthalene		2.76E+02	5.39E+00	5.29E+00	1.14E+02	6.59E+02	1.33E+01	1.30E+01	2.80E+02	1.45E+03	3.17E+01	3.10E+01	6.69E+02

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 4

Human Health Generic Assessment Criteria by Pathway for Residential With Home-Grown Produce Scenario

Compound	Notes	SAC Appropriate to Pathway SOM 1% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 2.5% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 6% (mg/kg)			Soil Saturation Limit (mg/kg)
		Oral	Inhalation	Combined		Oral	Inhalation	Combined		Oral	Inhalation	Combined	
Acenaphthene		2.27E+02	4.86E+04	2.26E+02	5.70E+01	5.41E+02	1.18E+05	5.38E+02	1.41E+02	1.18E+03	2.68E+05	1.17E+03	3.36E+02
Acenaphthylene		1.85E+02	4.59E+04	1.84E+02	8.61E+01	4.42E+02	1.11E+05	4.40E+02	2.12E+02	9.78E+02	2.53E+05	9.74E+02	5.06E+02
Anthracene		2.43E+03	1.53E+05	2.39E+03	1.17E+00	5.53E+03	3.77E+05	5.45E+03	2.91E+00	1.10E+04	8.76E+05	1.09E+04	6.96E+00
Benzo(a)anthracene		1.01E+01	2.47E+01	7.18E+00	1.71E+00	1.42E+01	4.37E+01	1.07E+01	4.28E+00	1.69E+01	6.26E+01	1.33E+01	1.03E+01
Benzo(a)pyrene	(a)	4.96E+00	3.51E+01	NR	9.11E-01	4.96E+00	3.77E+01	NR	2.28E+00	4.96E+00	3.89E+01	NR	5.46E+00
Benzo(b)fluoranthene		2.96E+00	1.93E+01	2.56E+00	1.22E+00	3.89E+00	2.13E+01	3.29E+00	3.04E+00	4.43E+00	2.22E+01	3.69E+00	7.29E+00
Benzo(g,h,i)perylene		3.77E+02	1.87E+03	3.14E+02	1.54E-02	4.09E+02	1.94E+03	3.38E+02	3.85E-02	4.23E+02	1.97E+03	3.48E+02	9.23E-02
Benzo(k)fluoranthene		8.92E+01	5.41E+02	7.66E+01	6.87E-01	1.10E+02	5.76E+02	9.22E+01	1.72E+00	1.21E+02	5.91E+02	1.00E+02	4.12E+00
Chrysene		1.66E+01	1.19E+02	1.46E+01	4.40E-01	2.54E+01	1.49E+02	2.17E+01	1.10E+00	3.19E+01	1.66E+02	2.67E+01	2.64E+00
Dibenzo(a,h)anthracene		2.90E-01	1.45E+00	2.41E-01	3.93E-03	3.43E-01	1.64E+00	2.84E-01	9.82E-03	3.69E-01	1.74E+00	3.04E-01	2.36E-02
Fluoranthene		2.87E+02	3.83E+04	2.85E+02	1.89E+01	5.63E+02	8.87E+04	5.60E+02	4.73E+01	9.00E+02	1.83E+05	8.96E+02	1.13E+02
Fluorene		1.77E+02	6.20E+03	1.72E+02	3.09E+01	4.19E+02	1.53E+04	4.07E+02	7.65E+01	8.98E+02	3.62E+04	8.77E+02	1.83E+02
Hexachloroethane		2.68E-01	NR	NR	8.17E+00	6.57E-01	NR	NR	2.01E+01	1.55E+00	NR	NR	4.81E+01
Indeno(1,2,3-cd)pyrene		3.09E+01	2.12E+02	2.70E+01	6.13E-02	4.22E+01	2.38E+02	3.59E+01	1.53E-01	4.92E+01	2.50E+02	4.11E+01	3.68E-01
Naphthalene		2.78E+01	2.33E+01	1.27E+01	7.64E+01	6.66E+01	5.58E+01	3.04E+01	1.83E+02	1.53E+02	1.31E+02	7.06E+01	4.32E+02
Phenanthrene		9.85E+01	7.17E+03	9.72E+01	3.60E+01	2.24E+02	1.76E+04	2.22E+02	8.96E+01	4.48E+02	4.07E+04	4.43E+02	2.14E+02
Pyrene		6.25E+02	8.79E+04	6.20E+02	2.20E+00	1.25E+03	2.04E+05	1.24E+03	5.49E+00	2.05E+03	4.23E+05	2.04E+03	1.32E+01
Phenol		1.60E+02	4.58E+02	1.20E+02	2.42E+04	2.96E+02	6.95E+02	2.09E+02	3.81E+04	5.86E+02	1.19E+03	3.93E+02	7.03E+04

Total Petroleum Hydrocarbons

Aliphatic hydrocarbons EC ₅ -EC ₆		4.99E+03	4.24E+01	4.23E+01	3.04E+02	1.13E+04	7.79E+01	7.78E+01	5.58E+02	2.50E+04	1.61E+02	1.60E+02	1.15E+03
Aliphatic hydrocarbons >EC ₅ -EC ₆		1.49E+04	1.04E+02	1.03E+02	1.44E+02	3.43E+04	2.31E+02	2.31E+02	3.22E+02	7.11E+04	5.29E+02	5.28E+02	7.36E+02
Aliphatic hydrocarbons >EC ₆ -EC ₁₀		1.61E+03	2.68E+01	2.67E+01	7.77E+01	2.91E+03	6.55E+01	6.51E+01	1.90E+02	4.26E+03	1.56E+02	1.54E+02	4.51E+02
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂		4.57E+03	1.33E+02	1.32E+02	4.75E+01	5.51E+03	3.31E+02	3.26E+02	1.18E+02	5.98E+03	7.93E+02	7.65E+02	2.83E+02
Aliphatic hydrocarbons >EC ₁₂ -EC ₁₆		6.27E+03	1.11E+03	1.06E+03	2.37E+01	6.34E+03	2.78E+03	2.41E+03	5.91E+01	6.36E+03	6.67E+03	4.34E+03	1.42E+02
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	(b)	6.46E+04	NR	NR	8.48E+00	9.17E+04	NR	NR	2.12E+01	1.10E+05	NR	NR	5.09E+01
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	(b)	6.46E+04	NR	NR	8.48E+00	9.17E+04	NR	NR	2.12E+01	1.10E+05	NR	NR	5.09E+01
Aromatic hydrocarbons >EC ₈ -EC ₁₀		5.76E+01	4.74E+01	3.45E+01	6.13E+02	1.38E+02	1.16E+02	8.38E+01	1.50E+03	3.07E+02	2.77E+02	1.94E+02	3.58E+02
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂		8.29E+01	2.58E+02	7.52E+01	3.64E+02	1.96E+02	6.39E+02	1.79E+02	8.99E+02	4.25E+02	1.52E+03	3.91E+02	2.15E+03
Aromatic hydrocarbons >EC ₁₂ -EC ₁₆		1.47E+02	2.85E+03	1.45E+02	1.69E+02	3.36E+02	7.07E+03	3.32E+02	4.19E+02	6.81E+02	1.68E+04	6.74E+02	1.00E+03
Aromatic hydrocarbons >EC ₁₆ -EC ₂₁	(b)	2.63E+02	NR	NR	5.37E+01	5.45E+02	NR	NR	1.34E+02	9.34E+02	NR	NR	3.21E+02
Aromatic hydrocarbons >EC ₂₁ -EC ₃₅	(b)	1.09E+03	NR	NR	4.83E+00	1.47E+03	NR	NR	1.21E+01	1.70E+03	NR	NR	2.90E+01
Aromatic hydrocarbons >EC ₃₅ -EC ₄₄	(b)	1.09E+03	NR	NR	4.83E+00	1.47E+03	NR	NR	1.21E+01	1.70E+03	NR	NR	2.90E+01

Notes:

EC - equivalent carbon. SAC - soil assessment criteria.

The CLEA model output is colour coded depending upon whether the soil saturation limit has been exceeded.

	Calculated SAC exceeds soil saturation limit and may significantly affect the interpretation of any exceedances as the contribution of the indoor and outdoor vapour pathway to total exposure is >10%.
	Calculated SAC exceeds soil saturation limit but the exceedance will not affect the SAC significantly as the contribution of the indoor and outdoor vapour pathway to total exposure is <10%.
	Calculated SAC does not exceed the soil saturation limit.

The SAC for organic compounds are dependant upon soil organic matter (SOM) (%) content. To obtain SOM from total organic carbon (TOC) (%) divide by 0.58. 1% SOM is 0.58% TOC. DL Rowell Soil Science: Methods and Applications, Longmans, 1994.

SAC for TPH fractions, PAHs naphthalene, acenaphthene and acenaphthylene, BTEX and trimethylbenzene compounds were produced using an attenuation factor for the indoor air inhalation pathway of 10 to reduce conservatism associated with the vapour inhalation pathway (Section 10.1.1, SR3)

(a) SAC for arsenic, benzene, benzo(a)pyrene, cadmium, chromium VI and lead are derived using the C4SL toxicology data.

(b) SAC for boron and selenium should not include the inhalation pathway as no expert group HCV has been derived; aliphatic and aromatic hydrocarbons >EC₁₆ should not include inhalation pathway due to their non-volatile nature and inhalation exposure being minimal (oral, dermal and inhalation exposure is compared to the oral HCV); arsenic should only be based on oral contribution (rather than combined) owing to the relative small contribution from inhalation in accordance with the SGV report. The Oral SAC should be adopted for zinc and benzo(a)pyrene.

(c) SAC for CrIII should be based on the lower of the oral and inhalation SAC (see LQM/CIEH 2015 Section 6.8)

(d) SAC for elemental mercury, chromium VI and nickel should be based on the inhalation pathway only.

(e) SAC for 1,3,5-trimethylbenzene is not recorded owing to the lack of toxicological data, SAC for 1,2,4 trimethylbenzene may be used.

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 5
Human Health Generic Assessment Criteria for Residential with home-grown produce

Compound	SAC for Soil SOM 1% (mg/kg)	SAC for Soil SOM 2.5% (mg/kg)	SAC for Soil SOM 6% (mg/kg)
Metals			
Arsenic	37	37	37
Barium	1,300	1,300	1,300
Beryllium	1.7	1.7	1.7
Boron	300	300	300
Cadmium	22	22	22
Chromium (III) - trivalent	910	910	910
Chromium (VI) - hexavalent	21	21	21
Copper	2,500	2,500	2,500
Lead	200	200	200
Elemental Mercury (Hg ⁰)	0.2	0.6	1.2
Inorganic Mercury (Hg ²⁺)	39	39	39
Methyl Mercury (Hg ⁴⁺)	10	10	10
Nickel	130	130	130
Selenium	258	258	258
Vanadium	410	410	410
Zinc	3,900	3,900	3,900
Cyanide (free)	1.4	1.4	1.4
Volatile Organic Compounds			
Benzene	0.20	0.41	0.87
Toluene	130	300	680
Ethylbenzene	50	110	260
Xylene - m	59	140	327
Xylene - o	61	143	332
Xylene - p	57	133	310
Total xylene	57	133	310
Methyl tertiary-Butyl ether (MTBE)	60	110	210
1,1,1,2-Tetrachloroethane	1.20	2.78	6.46
1,1,2,2-Tetrachloroethane	1.6	3.5	7.7
1,1,1-Trichloroethane	9	18	39
1,1,2 Trichloroethane	0.8	1.6	3.5
1,1-Dichloroethene	0.32	0.57	1.16
1,2-Dichloroethane	0.007	0.011	0.019
1,2,4-Trimethylbenzene	1.8	4.3	9.7
1,3,5-Trimethylbenzene	NR	NR	NR
1,2-Dichloropropane	0.034	0.060	0.120
Carbon Tetrachloride (tetrachloromethane)	0.026	0.056	0.127
Chloroethane	11.7	15.9	25.7
Chloromethane	0.012	0.014	0.019
Cis 1,2 Dichloroethene	0.16	0.27	0.52
Dichloromethane	0.62	1.08	1.92
Tetrachloroethene (PCE)	0.31	0.70	1.60
Trans 1,2 Dichloroethene	0.28	0.50	1.02
Trichloroethene (TCE)	0.009	0.020	0.043
Vinyl Chloride (chloroethene)	0.006	0.010	0.017
Semi-Volatile Organic Compounds			
2-Chloronaphthalene	5	13	31
Acenaphthene	230	540	1,170
Acenaphthylene	180	440	970
Anthracene	2,400	5,500	10,900
Benzo(a)anthracene	7	11	13
Benzo(a)pyrene	5	5	5
Benzo(b)fluoranthene	2.6	3.3	3.7
Benzo(g,h,i)perylene	310	340	350
Benzo(k)fluoranthene	77	92	100
Chrysene	15	22	27
Dibenzo(a,h)anthracene	0.24	0.28	0.30
Fluoranthene	290	560	900
Fluorene	170	410	880
Hexachloroethane	0.27	0.66	1.55
Indeno(1,2,3-cd)pyrene	13	30	71
Naphthalene	13	30	71
Phenanthrene	100	220	440
Pyrene	620	1,240	2,040
Phenol	120	210	390
Total Petroleum Hydrocarbons			
Aliphatic hydrocarbons EC ₅ -EC ₆	42	78	160
Aliphatic hydrocarbons >EC ₆ -EC ₈	100	230	530
Aliphatic hydrocarbons >EC ₈ -EC ₁₀	27	65	154
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂	130 (48)	330 (118)	760 (283)
Aliphatic hydrocarbons >EC ₁₂ -EC ₁₆	1,100 (24)	2,400 (59)	4,300 (142)
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	65,000 (8)	92,000 (21)	110,000
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	65,000 (8)	92,000 (21)	110,000
Aromatic hydrocarbons >EC ₈ -EC ₁₀	30	80	190
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂	80	180	390
Aromatic hydrocarbons >EC ₁₂ -EC ₁₆	140	330	670
Aromatic hydrocarbons >EC ₁₆ -EC ₂₁	260	540	930
Aromatic hydrocarbons >EC ₂₁ -EC ₃₅	1,100	1,500	1,700
Aromatic hydrocarbons >EC ₃₅ -EC ₄₄	1,100	1,500	1,700
Minerals			
Asbestos	Stage 1 test – No asbestos detected with ID; Stage 2 test - <0.001% dry weight (exceedance of either equates to an exceedance of the GAC) ¹		
Notes:			
* Generic assessment criteria not calculated owing to low volatility of substance and therefore no pathway, or an absence of toxicological data.			
NR - SAC for 1,3,5-trimethylbenzene is not recorded owing to the lack of toxicological data, SAC for 1,2,4 trimethylbenzene may be used			
EC - equivalent carbon. SAC - soil assessment criteria.			
¹ LOD for weight of asbestos per unit weight of soil calculated on a dry weight basis using PLM, handpicking and gravimetry.			
The SAC for organic compounds are dependent on Soil Organic Matter (SOM) (%) content. To obtain SOM from total organic carbon (TOC) (%) divide by 0.58.			
1% SOM is 0.58% TOC. DL Rowell Soil Science: Methods and Applications, Longmans, 1994.			
SAC for TPH fractions, PAHs naphthalene, acenaphthene and acenaphthylene, BTEX and trimethylbenzene compounds were produced using an attenuation factor for the indoor air inhalation pathway of 10 to reduce conservatism associated with the vapour inhalation pathway, section 10.1.1, SR3.			
(VALUE IN BRACKETS)			
RSK has adopted an approach for petroleum hydrocarbons in accordance with LQM/CIEH whereby the concentration modelled for each petroleum hydrocarbon fraction has been tabulated as the SAC with the corresponding solubility or vapour saturation limits given in brackets.			

Generic assessment criteria for human health: residential scenario without home-grown produce

Background

RSK's generic assessment criteria (GAC) were initially prepared following the publication by the Environment Agency (EA) of soil guideline value (SGV) and toxicological (TOX) reports, and associated publications in 2009⁽¹⁾. RSK GAC were updated following the publication of GAC by LQM/CIEH in 2009⁽²⁾. RSK GAC are periodically revised when updated information on toxicological, land use or receptor parameters is published.

Updates to the RSK GAC

In 2014, the publication of Category 4 Screening Levels (C4SL)^(3,4), as part of the Defra-funded research project SP1010, included modifications to certain exposure assumptions documented within EA Science Report SC050221/SR3 (herein after referred to as SR3)⁽⁵⁾ used in the generation of SGVs.

C4SL were initially published for six substances (cadmium, arsenic, benzene, benzo(a)pyrene, chromium VI and lead) for a sandy loam soil type with 6% soil organic matter, based on a low level of toxicological concern (LLTC; see Section 2.3 of research project report SP1010⁽³⁾). Further C4SL were published in 2021 for vinyl chloride, tetrachloroethene (PCE) and trichloroethene (TCE). Where a C4SL has been published, the RSK GAC duplicates the C4SL using all input parameters within the SP1010 final project report⁽³⁾ and associated chemical specific reports⁽⁶⁾, and adopts them as GAC for these substances. Due to the use of decimal places rather than significant figures applied to the Contaminated Land Exposure Assessment (CLEA) tool outputs, the GAC presented may be marginally differently to the C4SL values, however any differences between the values are minimal and would not equate to an unacceptable risk.

For all other substances the C4SL exposure modifications relevant for residential without home-grown produce end use have been applied to the current RSK GAC. These include alterations to daily inhalation rates for residential and commercial scenarios, reducing soil adherence factors in children (age classes 1 to 12 only) and reducing exposure frequency for dermal contact outdoors.

The RSK GAC have also been revised with updated toxicology published by LQM/CIEH in 2015⁽⁷⁾ or by the USEPA⁽¹⁴⁾, where a C4SL has not been published.

RSK GAC derivation for metals and organic compounds

Model selection

Soil assessment criteria (SAC) were calculated using the CLEA tool v1.071, supporting EA guidance^(5,8,9) and revised exposure scenarios published for the C4SL⁽³⁾. The SAC are also termed GAC.

Conceptual model

In accordance with SR3⁽⁵⁾, the residential without home-grown produce scenario considers risks to a female child between the ages of 0 and 6 years old as the highest risk scenario. In

accordance with Box 3.1 of SR3⁽⁵⁾, the pathways considered for production of the SAC in the residential without home-grown produce scenario are

- direct soil and dust ingestion in areas of soft landscaping
- dermal contact with soil and indoor dust
- inhalation of indoor and outdoor dust and vapours.

Figure 1 is a conceptual model illustrating these linkages.

In line with guidance in the EA SGV report for cadmium⁽¹⁾, the RSK GAC for cadmium has been derived based on estimates representative of lifetime exposure. Although young children are generally more likely to have higher exposures to soil contaminants, the renal toxicity of cadmium, and the derivation of the TDI_{oral} and TDI_{inh} , are based on considerations of the kidney burden accumulated over 50 years or so. It is therefore reasonable to consider exposure not just in childhood but averaged over a longer period.

With respect to volatilisation, the CLEA model assumes a simple linear partitioning of a chemical in the soil between the sorbed, dissolved and vapour phase⁽⁹⁾. The upper boundaries of this partitioning are represented by the maximum aqueous solubility and pure saturated vapour concentration of the chemical. The CLEA model estimates saturated soil concentrations where these limits are reached⁽⁹⁾. The CLEA software uses a traffic light system to identify when individual and/or combined assessment criteria exceed the lower of either the aqueous- or vapour-based soil saturation limits. Model output cells are flagged red where the saturated soil concentration has been exceeded and the contribution of the indoor and outdoor vapour pathway to total exposure is greater than 10%. In this case, further consideration of the following is required⁽⁹⁾:

- Free phase contamination may be present.
- Exposure from the vapour pathways will be over-predicted by the model, as in reality the vapour phase concentration will not increase at concentrations above saturation limits
- Where the vapour pathway contribution is greater than 90%, it is unlikely the relevant health criteria value (HCV) will be exceeded at soil concentrations at least a factor of ten higher than the relevant HCV.

Where the vapour pathway is the predominant pathway (contributes greater than 90% of exposure) or the only exposure route considered and the cell is highlighted red (SAC exceeds saturation limit), the risk based on the assumed conceptual model is likely to be negligible as the vapour risk is assumed to be tolerable at maximum possible soil concentrations. In such circumstances, the vapour pathway exposure should be considered based on the presence of free phase or non-aqueous phase liquid sources and the measured concentrations of volatile organic compounds (VOC) in the vapour phase. Screening could be considered based on setting the SAC as the modelled soil saturation limits. However, as stated within the CLEA handbook⁽⁹⁾, this is likely to not be practical in many cases because of the very low saturation limits and, in any case, is highly conservative.

It should also be noted that for mixtures of compounds, free phase may be present where soil (or groundwater) concentrations are well below saturation limits for individual compounds.

Where the vapour pathway is only one of the exposure pathways considered, an additional approach can then be utilised as detailed within Section 4.12 of the CLEA model handbook⁽⁹⁾, which explains how to calculate an effective assessment criterion manually.

SR3⁽⁵⁾ states that, as a general rule of thumb, it is recognised that estimating vapour phase concentrations from dissolved and sorbed phase contamination by petroleum hydrocarbons are at least a factor of ten higher than those likely to be measured on-site. RSK has therefore applied an empirical subsurface to indoor air correction factor of 10 into the CLEA model chemical database for all petroleum hydrocarbon fractions (including BTEX, trimethylbenzenes and the polycyclic aromatic hydrocarbons (PAH) naphthalene, acenaphthene and acenaphthylene) to reduce this conservatism.

Input selection

The most up-to-date published chemical and toxicological data was obtained from EA Report SC050021/SR7⁽¹⁰⁾, the EA TOX⁽¹⁾ reports, the C4SL SP1010 project report and associated chemical specific reports^(3,6), the 2015 LQM/CIEH report⁽⁷⁾ or the USEPA IRIS database⁽¹⁴⁾. Where a LLTC^(3,6) has been published for a substance, RSK has used these input parameters to derive the RSK GAC. Toxicological and specific chemical parameters for 1,2,4-trimethylbenzene, barium and methyl tertiary-butyl ether (MTBE) were obtained from the CL:AIRE Soil Generic Assessment Criteria report⁽¹¹⁾.

For TPH, aromatic hydrocarbons C₅–C₈ were not modelled, as this range comprises benzene (>EC5-EC7) and toluene (>EC7-EC8), which are modelled separately.

Physical parameters

For the residential without home-grown produce scenario, the CLEA default building is a small, two-storey terrace house with a concrete ground-bearing slab. SR3⁽⁵⁾ notes this residential building type to be the most conservative in terms of potential for vapour intrusion. The building parameters used in the production of the RSK GACs are the default CLEA v1.06 inputs presented in Table 3.3 of SR3⁽³⁾, with a dust loading factor detailed in Section 9.3 of SR3⁽⁵⁾. The parameters for a sandy loam soil type were used in line with Table 4.4 of SR3⁽⁵⁾. This includes a value of 6% for the percentage of soil organic matter (SOM) within the soil. In RSK's experience, this is rather high for many sites. To avoid undertaking site-specific risk assessments for this SOM, RSK has produced an additional set of GAC for SOM of 1% and 2.5% for all substances using the CLEA tool.

Summary of modifications to the default CLEA SR3⁽⁵⁾ input parameters for residential without home-grown produce

In summary, the RSK GAC were produced using the default input parameters for soil properties, the air dispersion model, building properties and the vapour model detailed in SR3⁽⁵⁾. Modifications to the default SR3⁽⁵⁾ exposure scenarios based on the C4SL exposure scenarios⁽³⁾ are presented in Table 2 below.

The final selected GAC are presented by pathway in Table 3 and the combined GAC in Table 4.

Figure 1: Conceptual model for CLEA residential scenario without home-grown produce

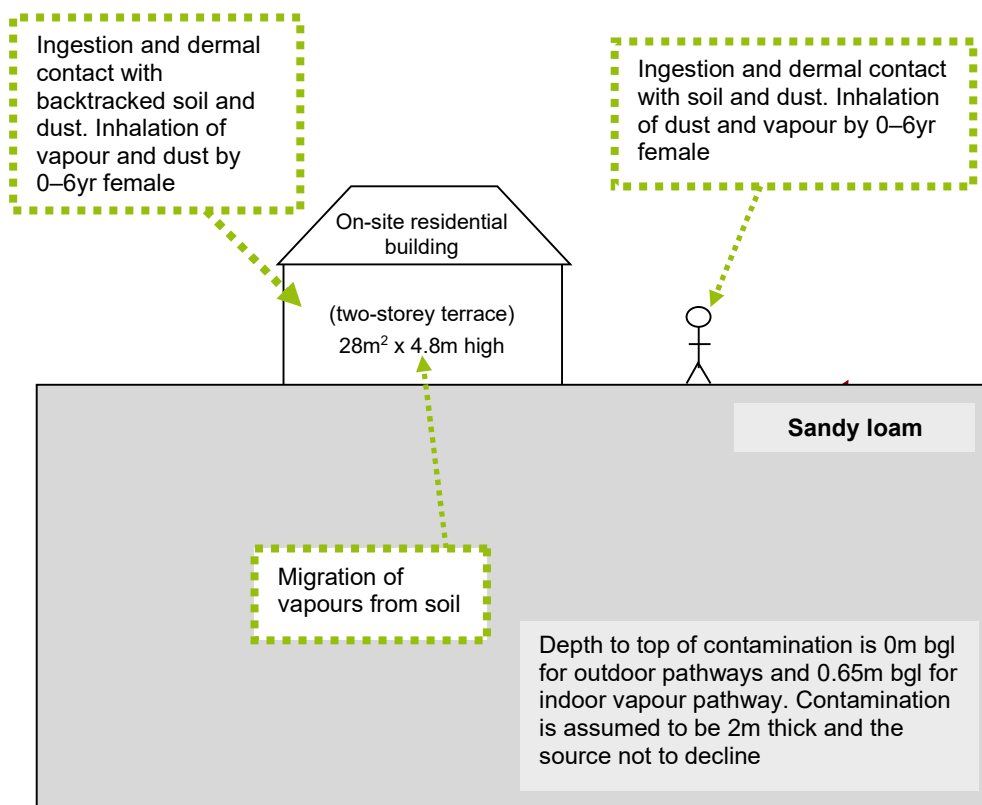


Table 1: Exposure assessment parameters for residential scenario without home-grown produce – inputs for CLEA model

Parameter	Value	Justification
Land use	Residential without home-grown produce	Chosen land use
Receptor	Female child	Key generic assumption given in Box 3.1, SR3 ⁽⁵⁾
Building	Small terraced house	Key generic assumption given in Box 3.1, SR3 ⁽⁵⁾ . Small, two-storey terraced house chosen, as it is the most conservative residential building type in terms of protection from vapor intrusion (Section 3.4.6, SR3) ⁽⁵⁾
Soil type	Sandy loam	Most common UK soil type (Section 4.3.1, from Table 3.1, SR3) ⁽⁵⁾
Start age class (AC)	1	Range of age classes corresponding to key generic assumption that the critical receptor is a young female child aged 0–6. From Box 3.1, SR3 ⁽⁵⁾
End AC	6	
SOM (%)	6	Representative of sandy loamy soil according to EA guidance note dated January 2009 entitled 'Changes We Have Made to the CLEA Framework Documents' ⁽¹³⁾
	1	To provide SAC for sites where SOM <6% as often observed by RSK
	2.5	
pH	7	Model default

Table 2: Residential without home-grown produce – modified receptor data

Parameter	Unit	Age class					
		1	2	3	4	5	6
Soil to skin adherence factor – (outdoor)	mg soil/cm ² skin	0.1	0.1	0.1	0.1	0.1	0.1
Justification		Table 3.5, SP1010 ⁽³⁾					
Inhalation rate	m ³ day ⁻¹	5.4	8.0	8.9	10.1	10.1	10.1
Justification		Mean value USEPA, 2011 ⁽¹²⁾ ; Table 3.2, SP1010 ⁽³⁾					
Notes: For cadmium , the exposure assessment for a residential land use is based on estimates representative of lifetime exposure AC1-18. This is because the TD _{lora} and TD _{inh} are based on considerations of the kidney burden accumulated over 50 years. It is therefore reasonable to consider exposure not just in childhood but averaged over a longer period. See the Environment Agency Science Report SC05002/ TOX 3 ⁽¹⁾ , Science Report SC050021/Cadmium SGV ⁽¹⁾ and the project report SP1010 ⁽³⁾ for more information.							

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GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITHOUT HOME-GROWN PRODUCE



Table 3

Human Health Generic Assessment Criteria by Pathway for Residential Scenario Without Home-Grown Produce

Compound	Notes	SAC Appropriate to Pathway SOM 1% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 2.5% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 6% (mg/kg)			Soil Saturation Limit (mg/kg)
		Oral	Inhalation	Combined		Oral	Inhalation	Combined		Oral	Inhalation	Combined	
Metals													
Arsenic	(a,b)	3.99E+01	5.26E+02	NR	NR	3.99E+01	5.26E+02	NR	NR	3.99E+01	5.26E+02	NR	NR
Barium	(b)	1.35E+03	NR	NR	NR	1.35E+03	NR	NR	NR	1.35E+03	NR	NR	NR
Beryllium		1.56E+02	1.72E+00	NR	NR	1.56E+02	1.72E+00	NR	NR	1.56E+02	1.72E+00	NR	NR
Boron		1.08E+04	5.20E+06	NR	NR	1.08E+04	5.20E+06	NR	NR	1.08E+04	5.20E+06	NR	NR
Cadmium	(a)	1.95E+02	4.88E+02	1.49E+02	NR	1.95E+02	4.88E+02	1.49E+02	NR	1.95E+02	4.88E+02	1.49E+02	NR
Chromium (III) - trivalent	(c)	1.98E+04	9.07E+02	NR	NR	1.98E+04	9.07E+02	NR	NR	1.98E+04	9.07E+02	NR	NR
Chromium (VI) - hexavalent	(a,d)	5.91E+01	2.06E+01	NR	NR	5.91E+01	2.06E+01	NR	NR	5.91E+01	2.06E+01	NR	NR
Copper		1.08E+04	1.41E+04	7.13E+03	NR	1.08E+04	1.41E+04	7.13E+03	NR	1.08E+04	1.41E+04	7.13E+03	NR
Lead	(a)	3.14E+02	NR	NR	NR	3.14E+02	NR	NR	NR	3.14E+02	NR	NR	NR
Elemental Mercury (Hg ⁰)	(d)	NR	2.41E-01	NR	4.31E+00	NR	5.74E-01	NR	1.07E+01	NR	1.25E+00	NR	2.58E+01
Inorganic Mercury (Hg ²⁺)		5.71E+01	3.63E+03	5.62E+01	NR	5.71E+01	3.63E+03	5.62E+01	NR	5.71E+01	3.63E+03	5.62E+01	NR
Methyl Mercury (Hg ⁴⁺)		1.80E+01	1.87E+01	9.16E+00	7.33E+01	1.80E+01	3.62E+01	1.20E+01	1.42E+02	1.80E+01	7.68E+01	1.46E+01	3.04E+02
Nickel	(d)	1.88E+02	1.81E+02	NR	NR	1.88E+02	1.81E+02	NR	NR	1.88E+02	1.81E+02	NR	NR
Selenium	(b)	4.31E+02	NR	NR	NR	4.31E+02	NR	NR	NR	4.31E+02	NR	NR	NR
Vanadium		1.17E+03	1.46E+03	NR	NR	1.17E+03	1.46E+03	NR	NR	1.17E+03	1.46E+03	NR	NR
Zinc	(b)	4.05E+04	3.63E+07	NR	NR	4.05E+04	3.63E+07	NR	NR	4.05E+04	3.63E+07	NR	NR
Cyanide (free)		4.03E+01	1.37E+04	4.02E+01	NR	4.03E+01	1.37E+04	4.02E+01	NR	4.03E+01	1.37E+04	4.02E+01	NR
Volatile Organic Compounds													
Benzene	(a)	7.36E+01	9.01E-01	8.90E-01	1.22E+03	7.36E+01	1.68E+00	1.64E+00	2.26E+03	7.36E+01	3.48E+00	3.33E+00	4.71E+03
Toluene		2.87E+04	9.08E+02	8.80E+02	8.69E+02	2.87E+04	2.00E+03	1.87E+03	1.92E+03	2.87E+04	4.55E+03	3.93E+03	4.36E+03
Ethylbenzene		1.29E+04	8.34E+01	8.29E+01	5.18E+02	1.29E+04	1.96E+02	1.93E+02	1.22E+03	1.29E+04	4.58E+02	4.42E+02	2.84E+03
Xylene - m		2.32E+04	8.25E+01	8.22E+01	6.25E+02	2.32E+04	1.95E+02	1.93E+02	1.47E+03	2.32E+04	4.56E+02	4.47E+02	3.46E+03
Xylene - o		2.32E+04	8.87E+01	8.83E+01	4.78E+02	2.32E+04	2.08E+02	2.06E+02	1.12E+03	2.32E+04	4.86E+02	4.76E+02	2.62E+03
Xylene - p		2.32E+04	7.93E+01	7.90E+01	5.76E+02	2.32E+04	1.86E+02	1.85E+02	1.35E+03	2.32E+04	4.36E+02	4.28E+02	3.17E+03
Total xylene		2.32E+04	7.93E+01	7.90E+01	6.25E+02	2.32E+04	1.86E+02	1.85E+02	1.47E+03	2.32E+04	4.36E+02	4.28E+02	3.46E+03
Methyl tertiary-Butyl ether (MTBE)		3.87E+04	1.04E+02	1.04E+02	2.04E+04	3.87E+04	1.69E+02	1.69E+02	3.31E+04	3.87E+04	3.21E+02	3.19E+02	6.27E+04
Trichloroethene (TCE)		9.73E-03	3.61E-02	NR	1.54E+03	2.04E-02	7.57E-02	NR	3.22E+03	4.52E-02	1.68E-01	NR	7.14E+03
Tetrachloroethene (PCE)		1.80E+03	3.19E-01	3.19E-01	4.24E+02	1.80E+03	7.15E-01	7.15E-01	9.51E+02	1.80E+03	1.64E+00	1.64E+00	2.18E+03
1,1,1-Trichloroethane		7.74E+04	9.01E+00	9.01E+00	1.43E+03	7.74E+04	1.84E+01	1.84E+01	2.92E+03	7.74E+04	4.04E+01	4.04E+01	6.39E+03
1,1,1,2 Tetrachloroethane		7.34E+02	1.54E+00	1.53E+00	2.60E+03	7.34E+02	3.56E+00	3.55E+00	6.02E+03	7.34E+02	8.29E+00	8.20E+00	1.40E+04
1,1,2,2-Tetrachloroethane		7.34E+02	3.92E+00	3.90E+00	2.67E+03	7.34E+02	8.04E+00	7.95E+00	5.46E+03	7.34E+02	1.76E+01	1.72E+01	1.20E+04
Carbon Tetrachloride		5.15E+02	2.58E-02	2.58E-02	1.52E+03	5.15E+02	5.65E-02	5.64E-02	3.32E+03	5.15E+02	1.28E-01	1.28E-01	7.54E+03
1,2-Dichloroethane		1.55E+01	9.20E-03	9.20E-03	3.41E+03	1.55E+01	1.33E-02	1.33E-02	4.91E+03	1.55E+01	2.28E-02	2.27E-02	8.43E+03
Vinyl Chloride (chloroethene)		4.85E+00	1.47E-02	1.47E-02	1.36E+03	4.85E+00	1.90E-02	1.90E-02	1.76E+03	4.85E+00	2.91E-02	2.89E-02	2.69E+03
1,2,4-Trimethylbenzene		NR	5.58E+00	NR	4.74E+02	NR	1.29E+01	NR	1.16E+03	NR	2.69E+01	NR	2.76E+03
1,3,5-Trimethylbenzene	(e)	NR	NR	NR	2.30E+02	NR	NR	NR	5.52E+02	NR	NR	NR	1.30E+03
Semi-Volatile Organic Compounds													
Acenaphthene		7.64E+03	4.86E+04	6.60E+03	5.70E+01	7.64E+03	1.18E+05	7.17E+03	1.41E+02	7.64E+03	2.68E+05	7.43E+03	3.36E+02
Acenaphthylene		7.65E+03	4.59E+04	6.55E+03	8.61E+01	7.65E+03	1.11E+05	7.15E+03	2.12E+02	7.65E+03	2.53E+05	7.42E+03	5.06E+02
Anthracene		3.82E+04	1.53E+05	3.06E+04	1.17E+00	3.82E+04	3.77E+05	3.47E+04	2.91E+00	3.82E+04	8.76E+05	3.66E+04	6.96E+00
Benzo(a)anthracene		1.98E+01	2.47E+01	1.10E+01	1.71E+00	1.98E+01	4.37E+01	1.36E+01	4.28E+00	1.98E+01	6.26E+01	1.50E+01	1.03E+01
Benzo(a)pyrene	(a)	5.34E+00	3.51E+01	NR	9.11E-01	5.34E+00	3.77E+01	NR	2.28E+00	5.34E+00	3.89E+01	NR	5.46E+00
Benzo(b)fluoranthene		4.97E+00	1.93E+01	3.95E+00	1.22E+00	4.97E+00	2.13E+01	4.03E+00	3.04E+00	4.97E+00	2.22E+01	4.06E+00	7.29E+00
Benzo(g,h,i)perylene		4.38E+02	1.87E+03	3.55E+02	1.54E-02	4.38E+02	1.94E+03	3.58E+02	3.85E-02	4.38E+02	1.97E+03	3.59E+02	9.23E-02
Benzo(k)fluoranthene		1.31E+02	5.41E+02	1.06E+02	6.87E-01	1.31E+02	5.76E+02	1.07E+02	1.72E+00	1.31E+02	5.91E+02	1.07E+02	4.12E+00
Chrvsene		3.95E+01	1.19E+02	2.97E+01	4.40E-01	3.95E+01	1.49E+02	3.12E+01	1.10E+00	3.95E+01	1.66E+02	3.19E+01	2.64E+00

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITHOUT HOME-GROWN PRODUCE



Table 3

Human Health Generic Assessment Criteria by Pathway for Residential Scenario Without Home-Grown Produce

Compound	Notes	SAC Appropriate to Pathway SOM 1% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 2.5% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 6% (mg/kg)			Soil Saturation Limit (mg/kg)
		Oral	Inhalation	Combined		Oral	Inhalation	Combined		Oral	Inhalation	Combined	
Dibenzo(a,h)anthracene		3.95E-01	1.45E+00	3.10E-01	3.93E-03	3.95E-01	1.64E+00	3.18E-01	9.82E-03	3.95E-01	1.74E+00	3.22E-01	2.36E-02
Fluoranthene		1.59E+03	3.83E+04	1.53E+03	1.89E+01	1.59E+03	8.87E+04	1.56E+03	4.73E+01	1.59E+03	1.83E+05	1.58E+03	1.13E+02
Fluorene		5.09E+03	6.20E+03	2.80E+03	3.09E+01	5.09E+03	1.53E+04	3.82E+03	7.65E+01	5.09E+03	3.62E+04	4.47E+03	1.83E+02
Indeno(1,2,3-cd)pyrene		5.65E+01	2.12E+02	4.46E+01	6.13E-02	5.65E+01	2.38E+02	4.56E+01	1.53E-01	5.65E+01	2.50E+02	4.60E+01	3.68E-01
Naphthalene		2.50E+03	2.33E+01	2.31E+01	7.64E+01	2.50E+03	5.58E+01	5.46E+01	1.83E+02	2.50E+03	1.31E+02	1.25E+02	4.32E+02
Phenanthrene		1.58E+03	7.17E+03	1.30E+03	3.60E+01	1.58E+03	1.76E+04	1.45E+03	8.96E+01	1.58E+03	4.07E+04	1.52E+03	2.14E+02
Pyrene		3.82E+03	8.79E+04	3.66E+03	2.20E+00	3.82E+03	2.04E+05	3.75E+03	5.49E+00	3.82E+03	4.23E+05	3.79E+03	1.32E+01
Phenol		6.48E+04	4.58E+02	4.55E+02	2.42E+04	6.48E+04	6.95E+02	6.88E+02	3.81E+04	6.48E+04	1.19E+03	1.17E+03	7.03E+04
Total Petroleum Hydrocarbons													
Aliphatic hydrocarbons EC ₅ -EC ₆		3.23E+05	4.24E+01	4.24E+01	3.04E+02	3.23E+05	7.79E+01	7.79E+01	5.58E+02	3.23E+05	1.61E+02	1.61E+02	1.15E+03
Aliphatic hydrocarbons >EC ₆ -EC ₈		3.23E+05	1.04E+02	1.04E+02	1.44E+02	3.23E+05	2.31E+02	2.31E+02	3.22E+02	3.23E+05	5.29E+02	5.29E+02	7.36E+02
Aliphatic hydrocarbons >EC ₈ -EC ₁₀		6.45E+03	2.68E+01	2.68E+01	7.77E+01	6.45E+03	6.55E+01	6.53E+01	1.90E+02	6.45E+03	1.56E+02	1.55E+02	4.51E+02
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂		6.45E+03	1.33E+02	1.32E+02	4.75E+01	6.45E+03	3.31E+02	3.27E+02	1.18E+02	6.45E+03	7.93E+02	7.67E+02	2.83E+02
Aliphatic hydrocarbons >EC ₁₂ -EC ₁₆		6.45E+03	1.11E+03	1.06E+03	2.37E+01	6.45E+03	2.78E+03	2.42E+03	5.91E+01	6.45E+03	6.67E+03	4.37E+03	1.42E+02
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	(b)	6.50E+04	NR	NR	8.48E+00	9.25E+04	NR	NR	2.12E+01	1.11E+05	NR	NR	5.09E+01
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	(b)	6.50E+04	NR	NR	8.48E+00	9.25E+04	NR	NR	2.12E+01	1.11E+05	NR	NR	5.09E+01
Aromatic hydrocarbons >EC ₈ -EC ₁₀		2.58E+03	4.74E+01	4.72E+01	6.13E+02	2.58E+03	1.16E+02	1.15E+02	1.50E+03	2.58E+03	2.77E+02	2.69E+02	3.58E+03
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂		2.58E+03	2.58E+02	2.52E+02	3.64E+02	2.58E+03	6.39E+02	5.94E+02	8.99E+02	2.58E+03	1.52E+03	1.24E+03	2.15E+03
Aromatic hydrocarbons >EC ₁₂ -EC ₁₆		2.58E+03	2.85E+03	1.80E+03	1.69E+02	2.58E+03	7.07E+03	2.30E+03	4.19E+02	2.58E+03	1.68E+04	2.48E+03	1.00E+03
Aromatic hydrocarbons >EC ₁₆ -EC ₂₁	(b)	1.86E+03	NR	NR	5.37E+01	1.90E+03	NR	NR	1.34E+02	1.92E+03	NR	NR	3.21E+02
Aromatic hydrocarbons >EC ₂₁ -EC ₃₅	(b)	1.93E+03	NR	NR	4.83E+00	1.93E+03	NR	NR	1.21E+01	1.93E+03	NR	NR	2.90E+01
Aromatic hydrocarbons >EC ₃₅ -EC ₄₄	(b)	1.93E+03	NR	NR	4.83E+00	1.93E+03	NR	NR	1.21E+01	1.93E+03	NR	NR	2.90E+01

Notes:

EC - equivalent carbon. GRAC - groundwater assessment criteria. SAC - soil assessment criteria.

The CLEA model output is colour coded depending upon whether the soil saturation limit has been exceeded.

	Calculated SAC exceeds soil saturation limit and may significantly affect the interpretation of any exceedances as the contribution of the indoor and outdoor vapour pathway to total exposure is >10%.
	Calculated SAC exceeds soil saturation limit but the exceedance will not affect the SAC significantly as the contribution of the indoor and outdoor vapour pathway to total exposure is <10%.
	Calculated SAC does not exceed the soil saturation limit.

The SAC for organic compounds are dependant upon soil organic matter (SOM) (%) content. To obtain SOM from total organic carbon (TOC) (%) divide by 0.58. 1% SOM is 0.58% TOC. DL Rowell Soil Science: Methods and Applications, Longmans, 1994.

SAC for TPH fractions, PAHs naphthalene, acenaphthene and acenaphthylene, BTEX and trimethylbenzene compounds were produced using an attenuation factor for the indoor air inhalation pathway of 10 to reduce conservatism associated with the vapour inhalation pathway (Section 10.1.1, SR3)

(a) SAC for arsenic, benzene, benzo(a)pyrene, cadmium, chromium VI and lead are derived using the C4SL toxicology data.

(b) SAC for boron and selenium should not include the inhalation pathway as no expert group HCV has been derived; aliphatic and aromatic hydrocarbons >EC16 should not include inhalation pathway due to their non-volatile nature and inhalation exposure being minimal (oral, dermal and inhalation exposure is compared to the oral HCV); arsenic should only be based on oral contribution (rather than combined) owing to the relative small contribution from inhalation in accordance with the SGV report. The Oral SAC should be adopted for zinc and benzo(a)pyrene.

(c) SAC for CrIII should be based on the lower of the oral and inhalation SAC (see LQM/CIEH 2015 Section 6.8)

(d) SAC for elemental mercury, chromium VI and nickel should be based on the inhalation pathway only.

(e) SAC for 1,3,5-trimethylbenzene is not recorded owing to the lack of toxicological data, SAC for 1,2,4 trimethylbenzene may be used.

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITHOUT HOME-GROWN PRODUCE



Table 4
Human health generic assessment criteria for residential without home-grown produce

Compound	SAC for Soil SOM 1% (mg/kg)	SAC for Soil SOM 2.5% (mg/kg)	SAC for Soil SOM 6% (mg/kg)
Metals			
Arsenic	40	40	40
Barium	1,300	1,300	1,300
Beryllium	1.7	1.7	1.7
Boron	11,000	11,000	11,000
Cadmium	149	149	149
Chromium (III) - trivalent	910	910	910
Chromium (VI) - hexavalent	21	21	21
Copper	7,100	7,100	7,100
Lead	310	310	310
Elemental Mercury (Hg ⁰)	0.2	0.6	1.2
Inorganic Mercury (Hg ²⁺)	56	56	56
Methyl Mercury (Hg ⁴⁺)	9	12	15
Nickel	180	180	180
Selenium	430	430	430
Vanadium	1,200	1,200	1,200
Zinc	40,000	40,000	40,000
Cyanide (free)	40	40	40
Volatile Organic Compounds			
Benzene	0.9	1.6	3.3
Toluene	900 (869)	1,900	3,900
Ethylbenzene	80	190	440
Xylene - m	80	190	450
Xylene - o	90	210	480
Xylene - p	80	180	430
Total xylene	80	180	430
Methyl tertiary-Butyl ether (MTBE)	100	170	320
Trichloroethene (TCE)	0.010	0.020	0.045
Tetrachloroethene (PCE)	0.32	0.71	1.64
1,1,1-Trichloroethane	9.0	18.4	40.4
1,1,1,2 Tetrachloroethane	1.5	3.5	8.2
1,1,2,2-Tetrachloroethane	3.9	8.0	17.2
Carbon Tetrachloride	0.026	0.056	0.128
1,2-Dichloroethane	0.009	0.013	0.023
Vinyl Chloride (chloroethene)	0.015	0.019	0.029
1,2,4-Trimethylbenzene	5.6	12.9	26.9
1,3,5-Trimethylbenzene	NR	NR	NR
Semi-Volatile Organic Compounds			
Acenaphthene	6,600 (57)	7,200	7,400
Acenaphthylene	6,600 (86)	7,200	7,400
Anthracene	31,000 (1.17)	35,000	37,000
Benzo(a)anthracene	11.0	13.6	15.0
Benzo(a)pyrene	5.3	5.3	5.3
Benzo(b)fluoranthene	4.0	4.0	4.1
Benzo(g,h,i)perylene	355	358	359
Benzo(k)fluoranthene	106	107	107
Chrysene	30	31	32
Dibenzo(a,h)anthracene	0.31	0.32	0.32
Fluoranthene	1,500	1,600	1,600
Fluorene	2,800 (31)	3,800 (77)	4,500 (183)
Indeno(1,2,3-cd)pyrene	45	46	46
Naphthalene	23	55	125
Phenanthrene	1,300 (36)	1,450	1,520
Pyrene	3,700	3,800	3,800
Phenol	440*	688	1,170
Total Petroleum Hydrocarbons			
Aliphatic hydrocarbons EC ₅ -EC ₆	42	78	161
Aliphatic hydrocarbons >EC ₆ -EC ₈	100	230	530
Aliphatic hydrocarbons >EC ₈ -EC ₁₀	27	65	155
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂	130 (48)	330 (118)	770 (283)
Aliphatic hydrocarbons >EC ₁₂ -EC ₁₆	1,100 (24)	2,400 (59)	4,400 (142)
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	65,000 (8)	92,000 (21)	111,000
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	65,000 (8)	92,000 (21)	111,000
Aromatic hydrocarbons >EC ₈ -EC ₁₀	47	115	269
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂	300	600	1,200
Aromatic hydrocarbons >EC ₁₂ -EC ₁₆	1,800 (169)	2,300 (419)	2,500
Aromatic hydrocarbons >EC ₁₆ -EC ₂₁	1,900	1,900	1,900
Aromatic hydrocarbons >EC ₂₁ -EC ₃₅	1,900	1,900	1,900
Aromatic hydrocarbons >EC ₃₅ -EC ₄₄	1,900	1,900	1,900
Minerals			
Asbestos	Stage 1 test – No asbestos detected with ID; Stage 2 test - <0.001% dry weight (exceedance of either equates to an exceedance of the GAC) ¹		
Notes:			
^ - Generic assessment criteria not calculated owing to low volatility of substance and therefore no pathway, or an absence of toxicological data.			
NR - SAC for 1,3,5-trimethylbenzene is not recorded owing to the lack of toxicological data, SAC for 1,2,4 trimethylbenzene may be used			
EC - equivalent carbon. SAC - soil assessment criteria.			
¹ LOD for weight of asbestos per unit weight of soil calculated on a dry weight basis using PLM, handpicking and gravimetry.			
The SAC for organic compounds are dependent on Soil Organic Matter (SOM) (%) content. To obtain SOM from total organic carbon (TOC) (%) divide by 0.58.			
1% SOM is 0.58% TOC. DL Rowell Soil Science: Methods and Applications, Longmans, 1994.			
SAC for TPH fractions, PAHs naphthalene, acenaphthene and acenaphthylene, BTEX and trimethylbenzene compounds were produced using an attenuation factor for the indoor air inhalation pathway of 10 to reduce conservatism associated with the vapour inhalation pathway, section 10.1.1, SR3.			
(VALUE IN BRACKETS)			
RSK has adopted an approach for petroleum hydrocarbons in accordance with LQM/CIEH whereby the concentration modelled for each petroleum hydrocarbon fraction has been tabulated as the SAC with the corresponding solubility or vapour saturation limits given in brackets.			

APPENDIX K

UNITED UTILITIES RISK ASSESSMENT FOR WATER PIPES WITH ASSESSMENT

A range of pipe materials is available and careful selection, design and installation is required to ensure that water supply pipes are satisfactorily installed and meet the requirements of the Water Supply (Water Fittings) Regulations 1999 in England and Wales, the Byelaws 2000 in Scotland and the Northern Ireland Water Regulations. The regulations include a requirement to use only suitable materials when laying water pipes and laying water pipes without protection is not permitted at contaminated sites. The water supply company has a statutory duty to enforce the regulations.

Contaminants in the ground can pose a risk to human health by permeating potable water supply pipes. To fulfil their statutory obligation, UK water supply companies require robust evidence from developers to demonstrate either that the ground in which new plastic supply pipes will be laid is free from specific contaminants, or that the proposed remedial strategy will mitigate any existing risk. If these requirements cannot be demonstrated to the satisfaction of the relevant water company, it becomes necessary to specify an alternative pipe material on the whole development or in specific zones.

In 2010, UK Water Industry Research (UKWIR) published *Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites* (Report Ref. No. 10/WM/03/21). This report reviewed previously published industry guidelines and threshold concentrations adopted by individual water supply companies.

The focus of the UKWIR research project was to develop clear and concise procedures, which provide consistency in the pipe selection decision process. It was intended to provide guidance that can be used to ensure compliance with current regulations and to prevent water supply pipe failing prematurely due to the presence of contamination.

The report concluded that in most circumstances only organic contaminants pose a potential risk to plastic pipe materials and Table 3.1 of the report provides threshold concentrations for polyethylene (PE) and polyvinyl chloride (PVC) pipes for the organic contaminants of concern. The report also makes recommendations for the procedures to be adopted in the design of site investigations and sampling strategies, and the assessment of data, to ensure that the ground through which water supply pipes will be laid is adequately characterised.

Risks to water supply pipes have therefore been assessed against the threshold concentrations for PE and PVC pipe specified in Table 3.1 of Report 10/WM/03/21, which have been adopted as the GAC for this linkage and are reproduced in Table A3 below.

Since water supply pipes are typically laid at a minimum depth of 0.75 m below finished ground levels, sample results from depths between 0.5 m and 1.5 m below finished level are generally considered suitable for assessing risks to water supply. Samples outside these depths can be used, providing the stratum is the same as that in which water supply pipes are likely to be located. The report specifies that sampling should characterise the ground conditions to a minimum of 0.5 m below the proposed depth of the pipe.

It should be noted that the assessment provided in this report is a guide and the method of assessment and recommendations should be checked with the relevant water supply company.

Table Q1: Generic assessment criteria for water supply pipes

		Pipe material	
		GAC (mg/kg)	
	Parameter group	PE	PVC
1	Extended VOC suite by purge and trap or head space and GC-MS with TIC (Not including compounds within group 1a)	0.5	0.125
1a	BTEX + MTBE	0.1	0.03
2	SVOCs TIC by purge and trap or head space and GC-MS with TIC (aliphatic and aromatic C ₅ –C ₁₀) (Not including compounds within group 2e and 2f)	2	1.4
2e	Phenols	2	0.4
2f	Cresols and chlorinated phenols	2	0.04
3	Mineral oil C ₁₁ –C ₂₀	10	Suitable
4	Mineral oil C ₂₁ –C ₄₀	500	Suitable
5	Corrosive (conductivity, redox and pH)	Suitable	Suitable
Specific suite identified as relevant following site investigation			
2a	Ethers	0.5	1
2b	Nitrobenzene	0.5	0.4
2c	Ketones	0.5	0.02
2d	Aldehydes	0.5	0.02
6	Amines	Not suitable	Suitable
Notes: where indicated as 'suitable', the material is considered resistant to permeation or degradation and no threshold concentration has been specified by UKWIR.			

APPENDIX L

GQRA DATA SCREENING TABLES - SOILS

Project name

Every Street, Bury

Project code

11542

Client name

Bury Council

Address

FernHill Caravan Park
Every Street,
Bury
BL9 5BL

NGR

Land use

Residential without home-grown produce

SOM

1%

GAC version

2021_00

Notes

RSK

									Lab sample ID	18/04765/1	18/04765/2	18/04765/3	18/04765/4	18/04765/5	18/04765/6	18/04765/7	18/04765/8	18/04765/9	18/04765/10
									Client sample ID	HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08	HP09	HP10
									Depth to top	0	0	0	0.15	0.1	0	0.05	0.1	0.2	0
									Depth to bottom	0.2	0.3	0.2	0.4	0.25	0.2	0.25	0.25	0.3	0.1
									Date sampled	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects											
Metals and Inorganics																			
Arsenic	mg/kg	40		12	5	19	19	0	8	11	8	8	11	5	10	9	10	12	
Cadmium	mg/kg	149		2	0.7	19	19	0	1.2	1.6	1.6	1.4	1.9	1.9	1.1	0.9	1.5	1.1	
Chromium	mg/kg	910	21	65	21	19	19	0	33	33	35	31	37	65	28	46	35	38	
Chromium (hexavalent)	mg/kg	21			<1	19	0	19	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Copper	mg/kg	7100		275	77	19	19	0	136	147	104	109	209	114	149	139	132	275	
Lead	mg/kg	310		377	77	19	19	0	222	311	362	251	377	375	175	133	351	257	
Mercury	mg/kg	56	0.2	0.63	<0.17	19	16	3	<0.17	0.45	0.34	0.37	0.38	0.25	<0.17	0.54	0.48	0.35	
Nickel	mg/kg	180		47	23	19	19	0	33	43	40	38	45	45	36	30	39	27	
Selenium	mg/kg	430		2	<1	19	1	18	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Zinc	mg/kg	40000		684	97	19	19	0	248	349	684	215	369	320	178	166	254	240	
Asbestos																			
Asbestos in soil		Detect				19	2	17	NAD	Chrysotile	NAD	NAD	NAD	Chrysotile	NAD	NAD	NAD	NAD	
Asbestos Matrix (microscope)		Detect				19	2	17	-	Board	-	-	-	Loose Fibres	-	-	-	-	
Asbestos in soil % composition (hand picking and weighing)	% w/w	0.001			<0.001	2	0	2	<0.001				<0.001						
Petroleum Hydrocarbons																			
Ali >C5-C6	mg/kg	42			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Ali >C6-C8	mg/kg	100			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Ali >C8-C10	mg/kg	27			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Ali >C8-C10	mg/kg	27				0	0	0											
Ali >C10-C12	mg/kg	130	48	2.4	<0.1	10	7	3	<0.1	0.9		0.5		0.4		2.4		0.6	
Ali >C10-C12	mg/kg	130	48			0	0	0											
Ali >C12-C16	mg/kg	1100	24	22.1	<0.1	10	7	3	<0.1	3.9		5.6		5.5		22.1		4.6	
Ali >C12-C16	mg/kg	1100	24			0	0	0											
Ali >C16-C21	mg/kg			36	<0.1	10	7	3	<0.1	15.3		13.1		16.4		30.4		8.8	
Ali >C16-C21	mg/kg					0	0	0											
Ali >C21-C35	mg/kg			218	<0.1	10	8	2	57.7	166		218		182		92.1		43	
Ali >C16-C35 calculated	mg/kg	65000	8	231.1	<0.1	10	8	2	57.7	181.3		231.1		198.4		122.5		51.8	
Ali >C21-C35	mg/kg					0	0	0											
Ali >C16-C35 calculated	mg/kg	65000	8			0	0	0											
Total Aliphatics	mg/kg			238	<0.1	10	8	2	57.7	186		238		205		147		57	
Total Aliphatics	mg/kg					0	0	0											
Aro >C5-C7	mg/kg				<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Aro >C7-C8	mg/kg				<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Aro >C8-C9	mg/kg	390			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Aro >C9-C10	mg/kg	47			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Aro >C8-C10	mg/kg	47				0	0	0											
Aro >C10-C12	mg/kg	300		2.5	<0.1	10	9	1	0.4	0.6		1.7		<0.1		2.1		0.6	
Aro >C10-C12	mg/kg	300				0	0	0											
Aro >C12-C16	mg/kg	1800	169	73.6	1.9	10	10	0	6.8	9.2		26.4		2.6		73.6		6.5	
Aro >C12-C16	mg/kg	1800	169			0	0	0											
Aro >C16-C21	mg/kg	1900		467	5.9	10	10	0	38	68.9		118		29.5		467		27.8	

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Project name	Every Street, Bury										
Project code	11542										
Client name	Bury Council										
Address	FernHill Caravan Park Every Street, Bury BL9 5BL										
NGR											
Land use	Residential without home-grown produce										
SOM	1%										
GAC version	2021_00										
										Lab sample ID	
										Client sample ID	
										Depth to top	
										Depth to bottom	
										Date sampled	
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-dete			
Metals and Inorganics											
Arsenic	mg/kg	40		12	5	19	19	0			
Cadmium	mg/kg	149		2	0.7	19	19	0			
Chromium	mg/kg	910	21	65	21	19	19	0			
Chromium (hexavalent)	mg/kg	21			<1	19	0	19			
Copper	mg/kg	7100		275	77	19	19	0			
Lead	mg/kg	310		377	77	19	19	0			
Mercury	mg/kg	56	0.2	0.63	<0.17	19	16	3			
Nickel	mg/kg	180		47	23	19	19	0			
Selenium	mg/kg	430		2	<1	19	1	18			
Zinc	mg/kg	40000		684	97	19	19	0			
Asbestos											
Asbestos in soil		Detect				19	2	17			
Asbestos Matrix (microscope)		Detect				19	2	17			
Asbestos in soil % composition (hand picking and weighing)	% w/w	0.001			<0.001	2	0	2			
Petroleum Hydrocarbons											
Ali >C5-C6	mg/kg	42			<0.01	10	0	10			
Ali >C6-C8	mg/kg	100			<0.01	10	0	10			
Ali >C8-C10	mg/kg	27			<0.01	10	0	10			
Ali >C8-C10	mg/kg	27				0	0	0			
Ali >C10-C12	mg/kg	130	48	2.4	<0.1	10	7	3			
Ali >C10-C12	mg/kg	130	48			0	0	0			
Ali >C12-C16	mg/kg	1100	24	22.1	<0.1	10	7	3			
Ali >C12-C16	mg/kg	1100	24			0	0	0			
Ali >C16-C21	mg/kg			36	<0.1	10	7	3			
Ali >C16-C21	mg/kg					0	0	0			
Ali >C21-C35	mg/kg			218	<0.1	10	8	2			
Ali >C16-C35 calculated	mg/kg	65000	8	231.1	<0.1	10	8	2			
Ali >C21-C35	mg/kg					0	0	0			
Ali >C16-C35 calculated	mg/kg	65000	8			0	0	0			
Total Aliphatics	mg/kg			238	<0.1	10	8	2			
Total Aliphatics	mg/kg					0	0	0			
Aro >C5-C7	mg/kg				<0.01	10	0	10			
Aro >C7-C8	mg/kg				<0.01	10	0	10			
Aro >C8-C9	mg/kg	390			<0.01	10	0	10			
Aro >C9-C10	mg/kg	47			<0.01	10	0	10			
Aro >C8-C10	mg/kg	47				0	0	0			
Aro >C10-C12	mg/kg	300		2.5	<0.1	10	9	1			
Aro >C10-C12	mg/kg	300				0	0	0			
Aro >C12-C16	mg/kg	1800	169	73.6	1.9	10	10	0			
Aro >C12-C16	mg/kg	1800	169			0	0	0			
Aro >C16-C21	mg/kg	1900		467	5.9	10	10	0			

Lab sample ID									18/04765/1	18/04765/2	18/04765/3	18/04765/4	18/04765/5	18/04765/6	18/04765/7	18/04765/8	18/04765/9	18/04765/10
Client sample ID									HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08	HP09	HP10
Depth to top									0	0	0	0.15	0.1	0	0.05	0.1	0.2	0
Depth to bottom									0.2	0.3	0.2	0.4	0.25	0.2	0.25	0.25	0.3	0.1
Date sampled									13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects										
Aro >C16-C21	mg/kg	1900				0	0	0										
Aro >C21-C35	mg/kg	1900		672	8.7	10	10	0	135	193		188		150		672		57.2
Aro >C21-C35	mg/kg	1900				0	0	0										
Total Aromatics	mg/kg			1210	19.6	10	10	0	180	272		334		182		1210		92.3
Total Aromatics	mg/kg					0	0	0										
TPH (Ali & Aro)	mg/kg					0	0	0										
TPH (Ali & Aro)	mg/kg			1360	19.6	10	10	0	238	458		572		387		1360		149
BTEX - Benzene	mg/kg	0.9			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
BTEX - Toluene	mg/kg	900	869		<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
BTEX - Ethyl Benzene	mg/kg	80			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
BTEX - o Xylene	mg/kg	90			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
BTEX - m & p Xylene	mg/kg	80			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
TPH total (>C6-C40)	mg/kg			3350	46	9	9	0			2120		3070		2110		2340	
TPH ID (for FID characterisations)						9					Possible PAHs + mixture of c		Possible PAHs + mixture of c	Possible PAHs + mixture of c		Possible PAHs + mixture of c	Possible PAHs + mixture of c	
Fuel oxygenates																		
MTBE	mg/kg	100			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
Polycyclic aromatic hydrocarbons																		
Acenaphthene	mg/kg	6600	57	6.05	0.23	19	19	0	0.89	1.79	0.42	5.11	0.58	0.33	0.56	0.34	1.16	1.41
Acenaphthylene	mg/kg	6600	86	0.3	0.05	19	18	1	0.08	0.14	0.16	0.16	0.1	0.22	<0.10	0.05	0.26	0.18
Anthracene	mg/kg	31000	1.17	8.14	0.37	19	19	0	1.41	3.24	1.2	6.14	0.71	3.66	0.78	0.55	2.54	1.64
Benzo(a)anthracene	mg/kg	11		18.2	1.24	19	19	0	4.79	10.7	4.89	13.1	1.67	4.68	2.16	1.24	9.08	4.47
Benzo(a)pyrene	mg/kg	5.3		14.7	0.93	19	19	0	4.11	6.8	3.33	11.4	1.33	3.51	2.04	0.93	6.08	3.06
Benzo(b)fluoranthene	mg/kg	4		18.4	1.08	19	19	0	4.51	7.29	3.53	14.3	1.49	3.49	2.64	1.08	6.48	3.57
Benzo(ghi)perylene	mg/kg	355		7.75	0.5	19	19	0	2.22	3.4	1.83	6.2	0.79	1.89	1.3	0.5	2.56	1.38
Benzo(k)fluoranthene	mg/kg	106		7.64	0.35	19	19	0	1.63	2.82	1.27	5.78	0.47	1.22	1.35	0.35	2.38	1.22
Chrysene	mg/kg	30		22.6	1.26	19	19	0	4.63	9.26	4.11	17.2	1.66	4.24	2.74	1.26	7.92	4.13
Dibenzo(ah)anthracene	mg/kg	0.31		2.04	0.11	19	18	1	0.47	0.91	0.46	1.76	0.16	0.4	<0.40	0.11	0.69	0.32
Fluoranthene	mg/kg	1500		43.3	2.75	19	19	0	11.9	23.6	9.77	34.4	3.34	8.48	5.39	2.83	17.9	9.9
Fluorene	mg/kg	2800	31	4.13	0.16	19	19	0	0.63	1.32	0.33	3.47	0.38	0.21	0.3	0.28	0.92	0.99
Indeno(123-cd)pyrene	mg/kg	45		8.84	0.59	19	19	0	2.76	4.65	2.43	7.21	1.03	2.54	1.36	0.59	3.63	1.62
Naphthalene	mg/kg	23		1.96	0.05	19	17	2	0.19	0.45	0.11	0.59	1.96	0.11	<0.30	0.1	0.38	0.91
Phenanthrene	mg/kg	1300	36	34.7	1.68	19	19	0	6.15	13.1	4.51	29.7	2.83	3.18	3.23	2.4	9.68	9.16
Pyrene	mg/kg	3700		36.2	2.49	19	19	0	10.6	20.2	8.54	28.9	3.11	7.36	4.95	2.5	16	9.78
Total PAH-16MS	mg/kg			227	14.8	19	19	0	57	110	46.9	185	21.6	45.5	28.8	15.1	87.7	53.7
Other analytes																		
% Natural Moisture Content (NMC)	% w/w			14.1	4.2	9	9	0			4.2		6.1		12.1		4.5	
% Stones >10mm	% w/w			24.4	<0.1	19	15	4	14.3	<0.1	6.1	16.1	11.9	<0.1	5	6.7	5.5	6.5
pH	pH			8.02	6.62	19	19	0	7.32	7.95	7.88	7.35	6.95	8.02	7.27	6.8	7.55	6.8
Sulphate (acid soluble)	mg/kg					0	0	0										
Sulphate (water sol 2:1)	g/l					0	0	0										
Total Organic Carbon	% w/w			6.48	2.58	19	19	0	3.52	5.09	3.97	3.9	6.48	4.91	4.12	3.3	4.6	3.61
Converted to SOM (x / 0.58)	% w/w			11.17241	4.448276	19	19	0	6.06896552	8.77586207	6.84482759	6.72413793	11.1724138	8.46551724	7.10344828	5.68965517	7.93103448	6.22413793

Lab sample ID									18/04765/11	18/04765/12	18/04765/13	18/04765/14	18/04765/15	18/04765/16	18/04765/17	18/04765/18	18/04765/19	
Client sample ID									HP10	HP11	HP12	HP13	HP14	HP15	HP16	HP16	HP17	
Depth to top									0.2	0	0.2	0	0	0	0	0.15	0	
Depth to bottom									0.3	0.15	0.4	0.2	0.1	0.2	0.12	0.2	0.2	
Date sampled									13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-dete										
Aro >C16-C21	mg/kg	1900				0	0	0										
Aro >C21-C35	mg/kg	1900		672	8.7	10	10	0	511	34.1					149		8.7	
Aro >C21-C35	mg/kg	1900				0	0	0										
Total Aromatics	mg/kg			1210	19.6	10	10	0	840	50.1					254		19.6	
Total Aromatics	mg/kg					0	0	0										
TPH (Ali & Aro)	mg/kg					0	0	0										
TPH (Ali & Aro)	mg/kg			1360	19.6	10	10	0	1020	50.1					310		19.6	
BTEX - Benzene	mg/kg	0.9			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
BTEX - Toluene	mg/kg	900	869		<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
BTEX - Ethyl Benzene	mg/kg	80			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
BTEX - o Xylene	mg/kg	90			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
BTEX - m & p Xylene	mg/kg	80			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
TPH total (>C6-C40)	mg/kg			3350	46	9	9	0			1510	1890	2100	46		3350		
TPH ID (for FID characterisations)						9			Other unknown hydrocarbons Possible PAHs Possible PAHs Possible PAHs Possible PAHs + mixture of c Possible PAHs + mixture of other unknown									
Fuel oxygenates																		
MTBE	mg/kg	100			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
Polycyclic aromatic hydrocarbons																		
Acenaphthene	mg/kg	6600	57	6.05	0.23	19	19	0	2.76	0.23	1.09	3.02	4.61	1.04	3.89	6.05	0.26	
Acenaphthylene	mg/kg	6600	86	0.3	0.05	19	18	1	0.3	0.09	0.13	0.12	0.19	0.11	0.11	0.22	0.06	
Anthracene	mg/kg	31000	1.17	8.14	0.37	19	19	0	6.43	0.49	2.33	3.88	7.94	1.54	4.95	8.14	0.37	
Benzo(a)anthracene	mg/kg	11		18.2	1.24	19	19	0	15.1	2.24	6.92	7.82	18.2	4.47	9.23	16.4	1.24	
Benzo(a)pyrene	mg/kg	5.3		14.7	0.93	19	19	0	11.9	2.11	4.61	7.12	14.7	3.61	8.54	13.8	1.11	
Benzo(b)fluoranthene	mg/kg	4		18.4	1.08	19	19	0	14.8	2.43	5	8.79	18.4	4.09	10.8	17.3	1.41	
Benzo(ghi)perylene	mg/kg	355		7.75	0.5	19	19	0	5.7	1.14	2.16	4.04	7.75	1.77	4.46	7.61	0.56	
Benzo(k)fluoranthene	mg/kg	106		7.64	0.35	19	19	0	6.3	0.75	1.83	3.56	7.64	1.33	4.16	7.09	0.46	
Chrysene	mg/kg	30		22.6	1.26	19	19	0	17.7	2.26	6.03	10.3	21.8	4.2	11.7	22.6	1.33	
Dibenzo(ah)anthracene	mg/kg	0.31		2.04	0.11	19	18	1	2.03	0.27	0.54	0.99	1.94	0.36	1.29	2.04	0.13	
Fluoranthene	mg/kg	1500		43.3	2.75	19	19	0	33.4	3.74	14.8	20.4	43.3	10.5	25.3	38.6	2.75	
Fluorene	mg/kg	2800	31	4.13	0.16	19	19	0	1.78	0.16	0.83	2.09	3.32	0.76	2.95	4.13	0.16	
Indeno(123-cd)pyrene	mg/kg	45		8.84	0.59	19	19	0	7.34	1.36	3.01	4.52	8.84	2.11	5.14	8.55	0.69	
Naphthalene	mg/kg	23		1.96	0.05	19	17	2	<0.30		0.05	0.19	0.42	1.03	0.26	0.85	0.71	0.06
Phenanthrene	mg/kg	1300	36	34.7	1.68	19	19	0	18.6	1.96	8.2	17	30.9	6.84	23.6	34.7	1.68	
Pyrene	mg/kg	3700		36.2	2.49	19	19	0	28	3.47	13.7	17.1	36.2	9.22	21	35	2.49	
Total PAH-16MS	mg/kg			227	14.8	19	19	0	172	22.8	71.4	111	227	52.2	138	223	14.8	
Other analytes																		
% Natural Moisture Content (NMC)	% w/w			14.1	4.2	9	9	0			7.8	8.9	14.1	9.3		6.4		
% Stones >10mm	% w/w			24.4	<0.1	19	15	4	21	<0.1	24.4	20.1	4.4	16.7	9.9	21.2	<0.1	
pH	pH			8.02	6.62	19	19	0	7.07	6.62	7.43	7.06	6.94	7	6.82	7.11	6.64	
Sulphate (acid soluble)	mg/kg					0	0	0										
Sulphate (water sol 2:1)	g/l					0	0	0										
Total Organic Carbon	% w/w			6.48	2.58	19	19	0	4.04	3.24	4.54	4.85	6.02	2.84	4.46	4.1	2.58	
Converted to SOM (x / 0.58)	% w/w			11.17241	4.448276	19	19	0	6.96551724	5.5862069	7.82758621	8.36206897	10.3793103	4.89655172	7.68965517	7.06896552	4.44827586	

Project code: 11542
Every Street, Bury

Dataset: Bund

Land use: Residential without home-grown produce
SOM: 1%

									Lab sample ID	
									Client sample ID	
									Depth to top	
									Depth to bottom	
									Date sampled	
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-dete		
Aro >C16-C21	mg/kg	1900				0	0	0		
Aro >C21-C35	mg/kg	1900		672	8.7	10	10	0		
Aro >C21-C35	mg/kg	1900				0	0	0		
Total Aromatics	mg/kg			1210	19.6	10	10	0		
Total Aromatics	mg/kg					0	0	0		
TPH (Ali & Aro)	mg/kg					0	0	0		
TPH (Ali & Aro)	mg/kg			1360	19.6	10	10	0		
BTEX - Benzene	mg/kg	0.9			<0.01	10	0	10		
BTEX - Toluene	mg/kg	900	869		<0.01	10	0	10		
BTEX - Ethyl Benzene	mg/kg	80			<0.01	10	0	10		
BTEX - o Xylene	mg/kg	90			<0.01	10	0	10		
BTEX - m & p Xylene	mg/kg	80			<0.01	10	0	10		
TPH total (>C6-C40)	mg/kg			3350	46	9	9	0		
TPH ID (for FID characterisations)						9				hydrocarbons
Fuel oxygenates										
MTBE	mg/kg	100			<0.01	10	0	10		
Polycyclic aromatic hydrocarbons										
Acenaphthene	mg/kg	6600	57	6.05	0.23	19	19	0		
Acenaphthylene	mg/kg	6600	86	0.3	0.05	19	18	1		
Anthracene	mg/kg	31000	1.17	8.14	0.37	19	19	0		
Benzo(a)anthracene	mg/kg	11		18.2	1.24	19	19	0		
Benzo(a)pyrene	mg/kg	5.3		14.7	0.93	19	19	0		
Benzo(b)fluoranthene	mg/kg	4		18.4	1.08	19	19	0		
Benzo(ghi)perylene	mg/kg	355		7.75	0.5	19	19	0		
Benzo(k)fluoranthene	mg/kg	106		7.64	0.35	19	19	0		
Chrysene	mg/kg	30		22.6	1.26	19	19	0		
Dibenzo(ah)anthracene	mg/kg	0.31		2.04	0.11	19	18	1		
Fluoranthene	mg/kg	1500		43.3	2.75	19	19	0		
Fluorene	mg/kg	2800	31	4.13	0.16	19	19	0		
Indeno(123-cd)pyrene	mg/kg	45		8.84	0.59	19	19	0		
Naphthalene	mg/kg	23		1.96	0.05	19	17	2		
Phenanthrene	mg/kg	1300	36	34.7	1.68	19	19	0		
Pyrene	mg/kg	3700		36.2	2.49	19	19	0		
Total PAH-16MS	mg/kg			227	14.8	19	19	0		
Other analytes										
% Natural Moisture Content (NMC)	% w/w			14.1	4.2	9	9	0		
% Stones >10mm	% w/w			24.4	<0.1	19	15	4		
pH	pH			8.02	6.62	19	19	0		
Sulphate (acid soluble)	mg/kg					0	0	0		
Sulphate (water sol 2:1)	g/l					0	0	0		
Total Organic Carbon	% w/w			6.48	2.58	19	19	0		
Converted to SOM (x / 0.58)	% w/w			11.17241	4.448276	19	19	0		

Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects	# exceeding	# exceeding	Max sample (ID and depth)
									GAC	T1	
Metals and Inorganics											
Chromium	mg/kg	910	21	65	21	19	19	0		19	HP06 - 0-0.2
Lead	mg/kg	310		377	77	19	19	0	5		HP05 - 0.1-0.25
Mercury	mg/kg	56	0.2	0.63	<0.17	19	16	3		16	HP17 - 0-0.2
Asbestos											
Asbestos in soil		Detect				19	2	17	2		
Asbestos Matrix (micr		Detect				19	2	17	2		
Petroleum Hydrocarbons											
Ali >C16-C	mg/kg	65000	8	231.1	<0.1	10	8	2		8	HP04 - 0.15-0.4
Polycyclic aromatic hydrocarbons											
Anthracen	mg/kg	31000	1.17	8.14	0.37	19	19	0		14	HP16 - 0.15-0.2
Benzo(a)ar	mg/kg	11		18.2	1.24	19	19	0	4		HP14 - 0-0.1
Benzo(a)py	mg/kg	5.3		14.7	0.93	19	19	0	8		HP14 - 0-0.1
Benzo(b)fl	mg/kg	4		18.4	1.08	19	19	0	11		HP14 - 0-0.1
Dibenzo(al	mg/kg	0.31		2.04	0.11	19	18	1	15		HP16 - 0.15-0.2

Project name	Every Street, Bury	Notes	
Project code	11542		
Client name	Bury Council		
Address	FernHill Caravan Park Every Street, Bury BL9 5BL		
NGR			
Land use	Residential without home-grown produce		
SOM	1%		
GAC version	2021_00		

										Lab sample ID	21/04301/2	21/04301/10	21/04301/6	21/04301/13					
										Client sample ID	BH02	BH04	BH05	BH06					
										Depth to top	0.4	0.8	0.9	0.6					
										Depth to bottom	1.3	1	1.2	1.3					
										Date sampled	16/04/21	16/04/21	16/04/21	16/04/21					
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects											
Metals and Inorganics																			
Arsenic	mg/kg	40		22	4	4	4	0	22	4	8	15							
Cadmium	mg/kg	149		2	1.3	4	4	0	2	1.4	1.3	1.6							
Chromium	mg/kg	910	21	30	17	4	4	0	30	23	24	17							
Chromium (hexavalent)	mg/kg	21		<1		2	0	2	<1		<1								
Copper	mg/kg	7100		130	25	4	4	0	130	25	44	74							
Lead	mg/kg	310		267	18	4	4	0	267	18	66	124							
Mercury	mg/kg	56	0.2	0.76	<0.17	4	1	3	0.76	<0.17	<0.17	<0.17							
Nickel	mg/kg	180		38	26	4	4	0	38	31	26	29							
Selenium	mg/kg	430		<1		4	0	4	<1	<1	<1	<1							
Zinc	mg/kg	40000		330	68	4	4	0	330	68	93	81							
Asbestos																			
Asbestos in soil		Detect				3	1	2	Chrysotile	NAD		NAD							
Asbestos Matrix (microscope)		Detect				3	1	2	Loose Fibres	-		-							
Asbestos in soil % composition (hand picking and weighing)	% w/w	0.001		0.001	0.001	1	1	0	0.001										
Petroleum Hydrocarbons																			
Ali >C5-C6	mg/kg	42			<0.01	4	0	4	<0.01	<0.01	<0.01	<0.01							
Ali >C6-C8	mg/kg	100			<0.01	4	0	4	<0.01	<0.01	<0.01	<0.01							
Ali >C8-C10	mg/kg	27				0	0	0											
Ali >C8-C10	mg/kg	27			<1	4	0	4	<10	<1	<1	<50							
Ali >C10-C12	mg/kg	130	48			0	0	0											
Ali >C10-C12	mg/kg	130	48	1	<1	4	1	3	<10	<1		1	<50						
Ali >C12-C16	mg/kg	1100	24			0	0	0											
Ali >C12-C16	mg/kg	1100	24	6	1	4	2	2	<10		1	6	<50						
Ali >C16-C21	mg/kg					0	0	0											
Ali >C16-C21	mg/kg			9	2	4	2	2	<10		2	9	<50						
Ali >C21-C35	mg/kg					0	0	0											
Ali >C16-C35 calculated	mg/kg	65000	8			0	0	0											
Ali >C21-C35	mg/kg			2510	5	4	4	0	24	5	30	2510							
Ali >C16-C35 calculated	mg/kg	65000	8	2510	7	4	4	0	24	7	39	2510							
Total Aliphatics	mg/kg					0	0	0											
Total Aliphatics	mg/kg			46	8	4	2	2	<100		8	46	<2500						
Aro >C5-C7	mg/kg				<0.01	4	0	4	<0.01	<0.01	<0.01	<0.01							
Aro >C7-C8	mg/kg				<0.01	4	0	4	<0.01	<0.01	<0.01	<0.01							
Aro >C8-C9	mg/kg	390				0	0	0											
Aro >C9-C10	mg/kg	47				0	0	0											
Aro >C8-C10	mg/kg	47		62	<1	4	3	1	11	<1		2	62						
Aro >C10-C12	mg/kg	300				0	0	0											
Aro >C10-C12	mg/kg	300		19	<1	4	2	2	19	<1		14	<50						
Aro >C12-C16	mg/kg	1800	169			0	0	0											
Aro >C12-C16	mg/kg	1800	169	228	2	4	3	1	228		2	101	<50						
Aro >C16-C21	mg/kg	1900				0	0	0											

										Lab sample ID	21/04301/2	21/04301/10	21/04301/6	21/04301/13						
										Client sample ID	BH02	BH04	BH05	BH06						
										Depth to top	0.4	0.8	0.9	0.6						
										Depth to bottom	1.3	1	1.2	1.3						
										Date sampled	16/04/21	16/04/21	16/04/21	16/04/21						
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects												
Aro >C16-C21	mg/kg	1900		988		2	4	4	0	988	2	263	84							
Aro >C21-C35	mg/kg	1900					0	0	0											
Aro >C21-C35	mg/kg	1900		3780		7	4	4	0	1870	7	551	3780							
Total Aromatics	mg/kg						0	0	0											
Total Aromatics	mg/kg			3920		11	4	4	0	3120	11	931	3920							
TPH (Ali & Aro)	mg/kg			6430		19	4	4	0	3140	19	977	6430							
TPH (Ali & Aro)	mg/kg						0	0	0											
BTEX - Benzene	mg/kg	0.9			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
BTEX - Toluene	mg/kg	900	869		<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
BTEX - Ethyl Benzene	mg/kg	80			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
BTEX - o Xylene	mg/kg	90			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
BTEX - m & p Xylene	mg/kg	80			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
TPH total (>C6-C40)	mg/kg						0	0	0											
TPH ID (for FID characterisations)							0													
Fuel oxygenates																				
MTBE	mg/kg	100			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
Polycyclic aromatic hydrocarbons																				
Acenaphthene	mg/kg	6600	57	78.1	<0.01		4	3	1	14.8	<0.01	7.24	78.1							
Acenaphthylene	mg/kg	6600	86	0.53	<0.01		4	2	2	0.16	<0.01	<0.10	0.53							
Anthracene	mg/kg	31000	1.17	71	<0.02		4	3	1	19.7	<0.02	7.42	71							
Benzo(a)anthracene	mg/kg	11		183	<0.04		4	3	1	59	<0.04	11.4	183							
Benzo(a)pyrene	mg/kg	5.3		68.5	<0.04		4	3	1	41.5	<0.04	9.96	68.5							
Benzo(b)fluoranthene	mg/kg	4		73.8	<0.05		4	3	1	48.2	<0.05	10.9	73.8							
Benzo(ghi)perylene	mg/kg	355		24.1	<0.05		4	3	1	19.8	<0.05	3.98	24.1							
Benzo(k)fluoranthene	mg/kg	106		32.5	<0.07		4	3	1	18.9	<0.07	4.15	32.5							
Chrysene	mg/kg	30		151	<0.06		4	3	1	63.2	<0.06	12	151							
Dibenzo(ah)anthracene	mg/kg	0.31		7.82	<0.04		4	3	1	5.29	<0.04	0.99	7.82							
Fluoranthene	mg/kg	1500		240	<0.08		4	3	1	101	<0.08	29.2	240							
Fluorene	mg/kg	2800	31	48.7	<0.01		4	3	1	9.79	<0.01	6.13	48.7							
Indeno(123-cd)pyrene	mg/kg	45		31.7	<0.03		4	3	1	23.3	<0.03	4.7	31.7							
Naphthalene	mg/kg	23		17.7	<0.03		4	3	1	4.71	<0.03	6.43	17.7							
Phenanthrene	mg/kg	1300	36	345	<0.03		4	3	1	77	<0.03	31.6	345							
Pyrene	mg/kg	3700		230	<0.07		4	3	1	92.8	<0.07	24.2	230							
Total PAH-16MS	mg/kg			1600	<0.08		4	3	1	599	<0.08	170	1600							
Other analytes																				
% Natural Moisture Content (NMC)	% w/w						0	0	0											
% Stones >10mm	% w/w			14.2	<0.1		4	3	1	<0.1	0.9	1.2	14.2							
pH	pH			8.1	6.92		4	4	0	8.1	7.09	7.98	6.92							
Sulphate (acid soluble)	mg/kg			770	<200		4	3	1	770	<200	320	300							
Sulphate (water sol 2:1)	g/l			0.09	<0.01		4	3	1	0.09	0.04	0.04	<0.01							
Total Organic Carbon	% w/w			11.5	11.5		1	1	0	11.5										
Converted to SOM (x / 0.58)	% w/w			19.82759	19.82759		1	1	0	19.8275862										

Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects	# exceeding # exceeding		Max sample (ID and depth)
									GAC	T1	
Metals and Inorganics											
Chromium	mg/kg	910	21	30	17	4	4	0		3	BH02 - 0.4-1.3
Mercury	mg/kg	56	0.2	0.76	<0.17	4	1	3		1	BH02 - 0.4-1.3
Asbestos											
Asbestos in soil		Detect				3	1	2	1		
Asbestos Matrix (micr		Detect				3	1	2	1		
Asbestos in % w/w		0.001		0.001	0.001	1	1	0	1		BH02 - 0.4-1.3
Petroleum Hydrocarbons											
Ali >C10-C	mg/kg	130	48	1	<1	4	1	3		1	BH05 - 0.9-1.2
Ali >C12-C	mg/kg	1100	24	6	1	4	2	2		1	BH05 - 0.9-1.2
Ali >C16-C	mg/kg	65000	8	2510	7	4	4	0		3	BH06 - 0.6-1.3
Aro >C8-C	mg/kg	47		62	<1	4	3	1	1		BH06 - 0.6-1.3
Aro >C12-C	mg/kg	1800	169	228	2	4	3	1		1	BH02 - 0.4-1.3
Aro >C21-C	mg/kg	1900		3780	7	4	4	0	1		BH06 - 0.6-1.3
Polycyclic aromatic hydrocarbons											
Acenaphth	mg/kg	6600	57	78.1	<0.01	4	3	1		1	BH06 - 0.6-1.3
Anthracen	mg/kg	31000	1.17	71	<0.02	4	3	1		3	BH06 - 0.6-1.3
Benzo(a)ar	mg/kg	11		183	<0.04	4	3	1	3		BH06 - 0.6-1.3
Benzo(a)py	mg/kg	5.3		68.5	<0.04	4	3	1	3		BH06 - 0.6-1.3
Benzo(b)flu	mg/kg	4		73.8	<0.05	4	3	1	3		BH06 - 0.6-1.3
Chrysene	mg/kg	30		151	<0.06	4	3	1	2		BH06 - 0.6-1.3
Dibenzo(a)	mg/kg	0.31		7.82	<0.04	4	3	1	3		BH06 - 0.6-1.3
Fluorene	mg/kg	2800	31	48.7	<0.01	4	3	1		1	BH06 - 0.6-1.3
Phenanthr	mg/kg	1300	36	345	<0.03	4	3	1		2	BH06 - 0.6-1.3

Project name	Every Street, Bury	Notes	
Project code	11542		
Client name	Bury Council		
Address	FernHill Caravan Park Every Street, Bury BL9 5BL		
NGR			
Land use	Residential with home-grown produce		
SOM	1%		
GAC version	2021_00		

									Lab sample ID	21/04301/2	21/04301/10	21/04301/6	21/04301/13					
									Client sample ID	BH02	BH04	BH05	BH06					
									Depth to top	0.4	0.8	0.9	0.6					
									Depth to bottom	1.3	1	1.2	1.3					
									Date sampled	16/04/21	16/04/21	16/04/21	16/04/21					
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects										
Metals and Inorganics																		
Arsenic	mg/kg	37		22	4	4	4	0	22	4	8	15						
Cadmium	mg/kg	22		2	1.3	4	4	0	2	1.4	1.3	1.6						
Chromium	mg/kg	910	21	30	17	4	4	0	30	23	24	17						
Chromium (hexavalent)	mg/kg	21			<1	2	0	2	<1		<1							
Copper	mg/kg	2500		130	25	4	4	0	130	25	44	74						
Lead	mg/kg	200		267	18	4	4	0	267	18	66	124						
Mercury	mg/kg	39	0.2	0.76	<0.17	4	1	3	0.76	<0.17	<0.17	<0.17						
Nickel	mg/kg	130		38	26	4	4	0	38	31	26	29						
Selenium	mg/kg	258			<1	4	0	4	<1	<1	<1	<1						
Zinc	mg/kg	3900		330	68	4	4	0	330	68	93	81						
Asbestos																		
Asbestos in soil		Detect				3	1	2	Chrysotile	NAD		NAD						
Asbestos Matrix (microscope)		Detect				3	1	2	Loose Fibres	-		-						
Asbestos in soil % composition (hand picking and weighing)	% w/w	0.001		0.001	0.001	1	1	0	0.001									
Petroleum Hydrocarbons																		
Ali >C5-C6	mg/kg	42			<0.01	4	0	4	<0.01	<0.01	<0.01	<0.01						
Ali >C6-C8	mg/kg	100			<0.01	4	0	4	<0.01	<0.01	<0.01	<0.01						
Ali >C8-C10	mg/kg	27				0	0	0										
Ali >C8-C10	mg/kg	27			<1	4	0	4	<10	<1	<1	<50						
Ali >C10-C12	mg/kg	130	48			0	0	0										
Ali >C10-C12	mg/kg	130	48	1	<1	4	1	3	<10	<1	1	<50						
Ali >C12-C16	mg/kg	1100	24			0	0	0										
Ali >C12-C16	mg/kg	1100	24	6	1	4	2	2	<10	1	6	<50						
Ali >C16-C21	mg/kg					0	0	0										
Ali >C16-C21	mg/kg			9	2	4	2	2	<10	2	9	<50						
Ali >C21-C35	mg/kg					0	0	0										
Ali >C16-C35 calculated	mg/kg	65000	8			0	0	0										
Ali >C21-C35	mg/kg			2510	5	4	4	0	24	5	30	2510						
Ali >C16-C35 calculated	mg/kg	65000	8	2510	7	4	4	0	24	7	39	2510						
Total Aliphatics	mg/kg					0	0	0										
Total Aliphatics	mg/kg			46	8	4	2	2	<100	8	46	<2500						
Aro >C5-C7	mg/kg				<0.01	4	0	4	<0.01	<0.01	<0.01	<0.01						
Aro >C7-C8	mg/kg				<0.01	4	0	4	<0.01	<0.01	<0.01	<0.01						
Aro >C8-C9	mg/kg	11				0	0	0										
Aro >C9-C10	mg/kg	30				0	0	0										
Aro >C8-C10	mg/kg	30		62	<1	4	3	1	11	<1	2	62						
Aro >C10-C12	mg/kg	80				0	0	0										
Aro >C10-C12	mg/kg	80		19	<1	4	2	2	19	<1	14	<50						
Aro >C12-C16	mg/kg	140				0	0	0										
Aro >C12-C16	mg/kg	140		228	2	4	3	1	228	2	101	<50						
Aro >C16-C21	mg/kg	260				0	0	0										

										Lab sample ID	21/04301/2	21/04301/10	21/04301/6	21/04301/13						
										Client sample ID	BH02	BH04	BH05	BH06						
										Depth to top	0.4	0.8	0.9	0.6						
										Depth to bottom	1.3	1	1.2	1.3						
										Date sampled	16/04/21	16/04/21	16/04/21	16/04/21						
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects												
Aro >C16-C21	mg/kg	260		988		2	4	4	0	988		2	263	84						
Aro >C21-C35	mg/kg	1100					0	0	0											
Aro >C21-C35	mg/kg	1100		3780		7	4	4	0	1870		7	551	3780						
Total Aromatics	mg/kg						0	0	0											
Total Aromatics	mg/kg			3920		11	4	4	0	3120		11	931	3920						
TPH (Ali & Aro)	mg/kg			6430		19	4	4	0	3140		19	977	6430						
TPH (Ali & Aro)	mg/kg						0	0	0											
BTEX - Benzene	mg/kg	0.2			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
BTEX - Toluene	mg/kg	130			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
BTEX - Ethyl Benzene	mg/kg	50			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
BTEX - o Xylene	mg/kg	61			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
BTEX - m & p Xylene	mg/kg	57			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
TPH total (>C6-C40)	mg/kg						0	0	0											
TPH ID (for FID characterisations)							0													
Fuel oxygenates																				
MTBE	mg/kg	60			<0.01		4	0	4	<0.01	<0.01	<0.01	<0.01							
Polycyclic aromatic hydrocarbons																				
Acenaphthene	mg/kg	230		78.1	<0.01		4	3	1	14.8	<0.01		7.24	78.1						
Acenaphthylene	mg/kg	180		0.53	<0.01		4	2	2	0.16	<0.01	<0.10		0.53						
Anthracene	mg/kg	2400		71	<0.02		4	3	1	19.7	<0.02		7.42	71						
Benzo(a)anthracene	mg/kg	7		183	<0.04		4	3	1	59	<0.04		11.4	183						
Benzo(a)pyrene	mg/kg	5		68.5	<0.04		4	3	1	41.5	<0.04		9.96	68.5						
Benzo(b)fluoranthene	mg/kg	2.6		73.8	<0.05		4	3	1	48.2	<0.05		10.9	73.8						
Benzo(ghi)perylene	mg/kg	310		24.1	<0.05		4	3	1	19.8	<0.05		3.98	24.1						
Benzo(k)fluoranthene	mg/kg	77		32.5	<0.07		4	3	1	18.9	<0.07		4.15	32.5						
Chrysene	mg/kg	15		151	<0.06		4	3	1	63.2	<0.06		12	151						
Dibenzo(ah)anthracene	mg/kg	0.24		7.82	<0.04		4	3	1	5.29	<0.04		0.99	7.82						
Fluoranthene	mg/kg	290		240	<0.08		4	3	1	101	<0.08		29.2	240						
Fluorene	mg/kg	170		48.7	<0.01		4	3	1	9.79	<0.01		6.13	48.7						
Indeno(123-cd)pyrene	mg/kg	27		31.7	<0.03		4	3	1	23.3	<0.03		4.7	31.7						
Naphthalene	mg/kg	13		17.7	<0.03		4	3	1	4.71	<0.03		6.43	17.7						
Phenanthrene	mg/kg	100		345	<0.03		4	3	1	77	<0.03		31.6	345						
Pyrene	mg/kg	620		230	<0.07		4	3	1	92.8	<0.07		24.2	230						
Total PAH-16MS	mg/kg			1600	<0.08		4	3	1	599	<0.08		170	1600						
Other analytes																				
% Natural Moisture Content (NMC)	% w/w						0	0	0											
% Stones >10mm	% w/w			14.2	<0.1		4	3	1	<0.1		0.9	1.2	14.2						
pH	pH			8.1	6.92		4	4	0	8.1		7.09	7.98	6.92						
Sulphate (acid soluble)	mg/kg			770	<200		4	3	1	770	<200		320	300						
Sulphate (water sol 2:1)	g/l			0.09	<0.01		4	3	1	0.09		0.04	0.04	<0.01						
Total Organic Carbon	% w/w			11.5	11.5		1	1	0	11.5										
Converted to SOM (x / 0.58)	% w/w			19.82759	19.82759		1	1	0	19.8275862										

Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects	# exceeding		Max sample (ID and depth)
									GAC	T1	
Metals and Inorganics											
Chromium	mg/kg	910	21	30	17	4	4	0		3	BH02 - 0.4-1.3
Lead	mg/kg	200		267	18	4	4	0	1		BH02 - 0.4-1.3
Mercury	mg/kg	39	0.2	0.76	<0.17	4	1	3		1	BH02 - 0.4-1.3
Asbestos											
Asbestos in soil		Detect				3	1	2	1		
Asbestos Matrix (microfibre)		Detect				3	1	2	1		
Asbestos in soil	% w/w	0.001		0.001	0.001	1	1	0	1		BH02 - 0.4-1.3
Petroleum Hydrocarbons											
Ali >C10-C11	mg/kg	130	48	1	<1	4	1	3		1	BH05 - 0.9-1.2
Ali >C12-C13	mg/kg	1100	24	6	1	4	2	2		1	BH05 - 0.9-1.2
Ali >C16-C17	mg/kg	65000	8	2510	7	4	4	0		3	BH06 - 0.6-1.3
Aro >C8-C9	mg/kg	30		62	<1	4	3	1	1		BH06 - 0.6-1.3
Aro >C12-C13	mg/kg	140		228	2	4	3	1	1		BH02 - 0.4-1.3
Aro >C16-C17	mg/kg	260		988	2	4	4	0	2		BH02 - 0.4-1.3
Aro >C21-C22	mg/kg	1100		3780	7	4	4	0	2		BH06 - 0.6-1.3
Polycyclic aromatic hydrocarbons											
Benzo(a)anthracene	mg/kg	7		183	<0.04	4	3	1	3		BH06 - 0.6-1.3
Benzo(a)pyrene	mg/kg	5		68.5	<0.04	4	3	1	3		BH06 - 0.6-1.3
Benzo(b)fluoranthene	mg/kg	2.6		73.8	<0.05	4	3	1	3		BH06 - 0.6-1.3
Chrysene	mg/kg	15		151	<0.06	4	3	1	2		BH06 - 0.6-1.3
Dibenzo(a,h)anthracene	mg/kg	0.24		7.82	<0.04	4	3	1	3		BH06 - 0.6-1.3
Indeno(1,2,3-cd)pyrene	mg/kg	27		31.7	<0.03	4	3	1	1		BH06 - 0.6-1.3
Naphthalene	mg/kg	13		17.7	<0.03	4	3	1	1		BH06 - 0.6-1.3
Phenanthrene	mg/kg	100		345	<0.03	4	3	1	1		BH06 - 0.6-1.3

Project name	Every Street, Bury	Notes	
Project code	11542		
Client name	Bury Council		
Address	FernHill Caravan Park Every Street, Bury BL9 5BL		
NGR			
Land use	Residential with home-grown produce		
SOM	1%		
GAC version	2021_00		

									Lab sample ID	18/04765/1	18/04765/2	18/04765/3	18/04765/4	18/04765/5	18/04765/6	18/04765/7	18/04765/8	18/04765/9	18/04765/10
									Client sample ID	HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08	HP09	HP10
									Depth to top	0	0	0	0.15	0.1	0	0.05	0.1	0.2	0
									Depth to bottom	0.2	0.3	0.2	0.4	0.25	0.2	0.25	0.25	0.3	0.1
									Date sampled	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects											
Metals and Inorganics																			
Arsenic	mg/kg	37		12	5	19	19	0	8	11	8	8	11	5	10	9	10	12	
Cadmium	mg/kg	22		2	0.7	19	19	0	1.2	1.6	1.6	1.4	1.9	1.9	1.1	0.9	1.5	1.1	
Chromium	mg/kg	910	21	65	21	19	19	0	33	33	35	31	37	65	28	46	35	38	
Chromium (hexavalent)	mg/kg	21		<1		19	0	19	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Copper	mg/kg	2500		275	77	19	19	0	136	147	104	109	209	114	149	139	132	275	
Lead	mg/kg	200		377	77	19	19	0	222	311	362	251	377	375	175	133	351	257	
Mercury	mg/kg	39	0.2	0.63	<0.17	19	16	3	<0.17	0.45	0.34	0.37	0.38	0.25	<0.17	0.54	0.48	0.35	
Nickel	mg/kg	130		47	23	19	19	0	33	43	40	38	45	45	36	30	39	27	
Selenium	mg/kg	258		2	<1	19	1	18	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Zinc	mg/kg	3900		684	97	19	19	0	248	349	684	215	369	320	178	166	254	240	
Asbestos																			
Asbestos in soil		Detect				19	2	17	NAD	Chrysotile	NAD	NAD	NAD	Chrysotile	NAD	NAD	NAD	NAD	
Asbestos Matrix (microscope)		Detect				19	2	17	-	Board	-	-	-	Loose Fibres	-	-	-	-	
Asbestos in soil % composition (hand picking and weighing)	% w/w	0.001			<0.001	2	0	2	<0.001					<0.001					
Petroleum Hydrocarbons																			
Ali >C5-C6	mg/kg	42			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Ali >C6-C8	mg/kg	100			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Ali >C8-C10	mg/kg	27			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Ali >C8-C10	mg/kg	27				0	0	0											
Ali >C10-C12	mg/kg	130	48	2.4	<0.1	10	7	3	<0.1	0.9		0.5		0.4		2.4		0.6	
Ali >C10-C12	mg/kg	130	48			0	0	0											
Ali >C12-C16	mg/kg	1100	24	22.1	<0.1	10	7	3	<0.1	3.9		5.6		5.5		22.1		4.6	
Ali >C12-C16	mg/kg	1100	24			0	0	0											
Ali >C16-C21	mg/kg			36	<0.1	10	7	3	<0.1	15.3		13.1		16.4		30.4		8.8	
Ali >C16-C21	mg/kg					0	0	0											
Ali >C21-C35	mg/kg			218	<0.1	10	8	2	57.7	166		218		182		92.1		43	
Ali >C16-C35 calculated	mg/kg	65000	8	231.1	<0.1	10	8	2	57.7	181.3		231.1		198.4		122.5		51.8	
Ali >C21-C35	mg/kg					0	0	0											
Ali >C16-C35 calculated	mg/kg	65000	8			0	0	0											
Total Aliphatics	mg/kg			238	<0.1	10	8	2	57.7	186		238		205		147		57	
Total Aliphatics	mg/kg					0	0	0											
Aro >C5-C7	mg/kg				<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Aro >C7-C8	mg/kg				<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Aro >C8-C9	mg/kg	11			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Aro >C9-C10	mg/kg	30			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	
Aro >C8-C10	mg/kg	30				0	0	0											
Aro >C10-C12	mg/kg	80		2.5	<0.1	10	9	1	0.4	0.6		1.7		<0.1		2.1		0.6	
Aro >C10-C12	mg/kg	80				0	0	0											
Aro >C12-C16	mg/kg	140		73.6	1.9	10	10	0	6.8	9.2		26.4		2.6		73.6		6.5	
Aro >C12-C16	mg/kg	140				0	0	0											
Aro >C16-C21	mg/kg	260		467	5.9	10	10	0	38	68.9		118		29.5		467		27.8	

01/08/2021 2 of 7 RSK Soils GQRA Tool version: 18

Project name	Every Street, Bury									
Project code	11542									
Client name	Bury Council									
Address	FernHill Caravan Park Every Street, Bury BL9 5BL									
NGR										
Land use	Residential with home-grown produce									
SOM	1%									
GAC version	2021_00									
							Lab sample ID			
							Client sample ID			
							Depth to top			
							Depth to bottom			
							Date sampled			
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-dete		
Metals and Inorganics										
Arsenic	mg/kg	37		12	5	19	19	0		
Cadmium	mg/kg	22		2	0.7	19	19	0		
Chromium	mg/kg	910	21	65	21	19	19	0		
Chromium (hexavalent)	mg/kg	21			<1	19	0	19		
Copper	mg/kg	2500		275	77	19	19	0		
Lead	mg/kg	200		377	77	19	19	0		
Mercury	mg/kg	39	0.2	0.63	<0.17	19	16	3		
Nickel	mg/kg	130		47	23	19	19	0		
Selenium	mg/kg	258		2	<1	19	1	18		
Zinc	mg/kg	3900		684	97	19	19	0		
Asbestos										
Asbestos in soil		Detect				19	2	17		
Asbestos Matrix (microscope)		Detect				19	2	17		
Asbestos in soil % composition (hand picking and weighing)	% w/w	0.001			<0.001	2	0	2		
Petroleum Hydrocarbons										
Ali >C5-C6	mg/kg	42			<0.01	10	0	10		
Ali >C6-C8	mg/kg	100			<0.01	10	0	10		
Ali >C8-C10	mg/kg	27			<0.01	10	0	10		
Ali >C8-C10	mg/kg	27				0	0	0		
Ali >C10-C12	mg/kg	130	48	2.4	<0.1	10	7	3		
Ali >C10-C12	mg/kg	130	48			0	0	0		
Ali >C12-C16	mg/kg	1100	24	22.1	<0.1	10	7	3		
Ali >C12-C16	mg/kg	1100	24			0	0	0		
Ali >C16-C21	mg/kg			36	<0.1	10	7	3		
Ali >C16-C21	mg/kg					0	0	0		
Ali >C21-C35	mg/kg			218	<0.1	10	8	2		
Ali >C16-C35 calculated	mg/kg	65000	8	231.1	<0.1	10	8	2		
Ali >C21-C35	mg/kg					0	0	0		
Ali >C16-C35 calculated	mg/kg	65000	8			0	0	0		
Total Aliphatics	mg/kg			238	<0.1	10	8	2		
Total Aliphatics	mg/kg					0	0	0		
Aro >C5-C7	mg/kg				<0.01	10	0	10		
Aro >C7-C8	mg/kg				<0.01	10	0	10		
Aro >C8-C9	mg/kg	11			<0.01	10	0	10		
Aro >C9-C10	mg/kg	30			<0.01	10	0	10		
Aro >C8-C10	mg/kg	30				0	0	0		
Aro >C10-C12	mg/kg	80		2.5	<0.1	10	9	1		
Aro >C10-C12	mg/kg	80				0	0	0		
Aro >C12-C16	mg/kg	140		73.6	1.9	10	10	0		
Aro >C12-C16	mg/kg	140				0	0	0		
Aro >C16-C21	mg/kg	260		467	5.9	10	10	0		

Lab sample ID									18/04765/1	18/04765/2	18/04765/3	18/04765/4	18/04765/5	18/04765/6	18/04765/7	18/04765/8	18/04765/9	18/04765/10
Client sample ID									HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08	HP09	HP10
Depth to top									0	0	0	0.15	0.1	0	0.05	0.1	0.2	0
Depth to bottom									0.2	0.3	0.2	0.4	0.25	0.2	0.25	0.25	0.3	0.1
Date sampled									13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects										
Aro >C16-C21	mg/kg	260				0	0	0										
Aro >C21-C35	mg/kg	1100		672	8.7	10	10	0	135	193		188		150		672		57.2
Aro >C21-C35	mg/kg	1100				0	0	0										
Total Aromatics	mg/kg			1210	19.6	10	10	0	180	272		334		182		1210		92.3
Total Aromatics	mg/kg					0	0	0										
TPH (Ali & Aro)	mg/kg					0	0	0										
TPH (Ali & Aro)	mg/kg			1360	19.6	10	10	0	238	458		572		387		1360		149
BTEX - Benzene	mg/kg	0.2			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
BTEX - Toluene	mg/kg	130			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
BTEX - Ethyl Benzene	mg/kg	50			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
BTEX - o Xylene	mg/kg	61			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
BTEX - m & p Xylene	mg/kg	57			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
TPH total (>C6-C40)	mg/kg			3350	46	9	9	0			2120		3070		2110		2340	
TPH ID (for FID characterisations)						9					Possible PAHs + mixture of c		Possible PAHs + mixture of c	Possible PAHs + mixture of c		Possible PAHs + mixture of c	Possible PAHs + mixture of c	
Fuel oxygenates																		
MTBE	mg/kg	60			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01
Polycyclic aromatic hydrocarbons																		
Acenaphthene	mg/kg	230		6.05	0.23	19	19	0	0.89	1.79	0.42	5.11	0.58	0.33	0.56	0.34	1.16	1.41
Acenaphthylene	mg/kg	180		0.3	0.05	19	18	1	0.08	0.14	0.16	0.16	0.1	0.22	<0.10	0.05	0.26	0.18
Anthracene	mg/kg	2400		8.14	0.37	19	19	0	1.41	3.24	1.2	6.14	0.71	3.66	0.78	0.55	2.54	1.64
Benzo(a)anthracene	mg/kg	7		18.2	1.24	19	19	0	4.79	10.7	4.89	13.1	1.67	4.68	2.16	1.24	9.08	4.47
Benzo(a)pyrene	mg/kg	5		14.7	0.93	19	19	0	4.11	6.8	3.33	11.4	1.33	3.51	2.04	0.93	6.08	3.06
Benzo(b)fluoranthene	mg/kg	2.6		18.4	1.08	19	19	0	4.51	7.29	3.53	14.3	1.49	3.49	2.64	1.08	6.48	3.57
Benzo(ghi)perylene	mg/kg	310		7.75	0.5	19	19	0	2.22	3.4	1.83	6.2	0.79	1.89	1.3	0.5	2.56	1.38
Benzo(k)fluoranthene	mg/kg	77		7.64	0.35	19	19	0	1.63	2.82	1.27	5.78	0.47	1.22	1.35	0.35	2.38	1.22
Chrysene	mg/kg	15		22.6	1.26	19	19	0	4.63	9.26	4.11	17.2	1.66	4.24	2.74	1.26	7.92	4.13
Dibenzo(ah)anthracene	mg/kg	0.24		2.04	0.11	19	18	1	0.47	0.91	0.46	1.76	0.16	0.4	<0.40	0.11	0.69	0.32
Fluoranthene	mg/kg	290		43.3	2.75	19	19	0	11.9	23.6	9.77	34.4	3.34	8.48	5.39	2.83	17.9	9.9
Fluorene	mg/kg	170		4.13	0.16	19	19	0	0.63	1.32	0.33	3.47	0.38	0.21	0.3	0.28	0.92	0.99
Indeno(123-cd)pyrene	mg/kg	27		8.84	0.59	19	19	0	2.76	4.65	2.43	7.21	1.03	2.54	1.36	0.59	3.63	1.62
Naphthalene	mg/kg	13		1.96	0.05	19	17	2	0.19	0.45	0.11	0.59	1.96	0.11	<0.30	0.1	0.38	0.91
Phenanthrene	mg/kg	100		34.7	1.68	19	19	0	6.15	13.1	4.51	29.7	2.83	3.18	3.23	2.4	9.68	9.16
Pyrene	mg/kg	620		36.2	2.49	19	19	0	10.6	20.2	8.54	28.9	3.11	7.36	4.95	2.5	16	9.78
Total PAH-16MS	mg/kg			227	14.8	19	19	0	57	110	46.9	185	21.6	45.5	28.8	15.1	87.7	53.7
Other analytes																		
% Natural Moisture Content (NMC)	% w/w			14.1	4.2	9	9	0			4.2		6.1		12.1		4.5	
% Stones >10mm	% w/w			24.4	<0.1	19	15	4	14.3	<0.1	6.1	16.1	11.9	<0.1	5	6.7	5.5	6.5
pH	pH			8.02	6.62	19	19	0	7.32	7.95	7.88	7.35	6.95	8.02	7.27	6.8	7.55	6.8
Sulphate (acid soluble)	mg/kg					0	0	0										
Sulphate (water sol 2:1)	g/l					0	0	0										
Total Organic Carbon	% w/w			6.48	2.58	19	19	0	3.52	5.09	3.97	3.9	6.48	4.91	4.12	3.3	4.6	3.61
Converted to SOM (x / 0.58)	% w/w			11.17241	4.448276	19	19	0	6.06896552	8.77586207	6.84482759	6.72413793	11.1724138	8.46551724	7.10344828	5.68965517	7.93103448	6.22413793

Lab sample ID									18/04765/11	18/04765/12	18/04765/13	18/04765/14	18/04765/15	18/04765/16	18/04765/17	18/04765/18	18/04765/19	
Client sample ID									HP10	HP11	HP12	HP13	HP14	HP15	HP16	HP16	HP17	
Depth to top									0.2	0	0.2	0	0	0	0	0.15	0	
Depth to bottom									0.3	0.15	0.4	0.2	0.1	0.2	0.12	0.2	0.2	
Date sampled									13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-dete										
Aro >C16-C21	mg/kg	260				0	0	0										
Aro >C21-C35	mg/kg	1100		672	8.7	10	10	0	511	34.1					149		8.7	
Aro >C21-C35	mg/kg	1100				0	0	0										
Total Aromatics	mg/kg			1210	19.6	10	10	0	840	50.1					254		19.6	
Total Aromatics	mg/kg					0	0	0										
TPH (Ali & Aro)	mg/kg					0	0	0										
TPH (Ali & Aro)	mg/kg			1360	19.6	10	10	0	1020	50.1					310		19.6	
BTEX - Benzene	mg/kg	0.2			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
BTEX - Toluene	mg/kg	130			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
BTEX - Ethyl Benzene	mg/kg	50			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
BTEX - o Xylene	mg/kg	61			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
BTEX - m & p Xylene	mg/kg	57			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
TPH total (>C6-C40)	mg/kg			3350	46	9	9	0			1510	1890	2100	46		3350		
TPH ID (for FID characterisations)						9			Other unknown hydrocarbons Possible PAHs Possible PAHs Possible PAHs Possible PAHs + mixture of c Possible PAHs + mixture of other unknown									
Fuel oxygenates																		
MTBE	mg/kg	60			<0.01	10	0	10	<0.01	<0.01					<0.01		<0.01	
Polycyclic aromatic hydrocarbons																		
Acenaphthene	mg/kg	230		6.05	0.23	19	19	0	2.76	0.23	1.09	3.02	4.61	1.04	3.89	6.05	0.26	
Acenaphthylene	mg/kg	180		0.3	0.05	19	18	1	0.3	0.09	0.13	0.12	0.19	0.11	0.11	0.22	0.06	
Anthracene	mg/kg	2400		8.14	0.37	19	19	0	6.43	0.49	2.33	3.88	7.94	1.54	4.95	8.14	0.37	
Benzo(a)anthracene	mg/kg	7		18.2	1.24	19	19	0	15.1	2.24	6.92	7.82	18.2	4.47	9.23	16.4	1.24	
Benzo(a)pyrene	mg/kg	5		14.7	0.93	19	19	0	11.9	2.11	4.61	7.12	14.7	3.61	8.54	13.8	1.11	
Benzo(b)fluoranthene	mg/kg	2.6		18.4	1.08	19	19	0	14.8	2.43	5	8.79	18.4	4.09	10.8	17.3	1.41	
Benzo(ghi)perylene	mg/kg	310		7.75	0.5	19	19	0	5.7	1.14	2.16	4.04	7.75	1.77	4.46	7.61	0.56	
Benzo(k)fluoranthene	mg/kg	77		7.64	0.35	19	19	0	6.3	0.75	1.83	3.56	7.64	1.33	4.16	7.09	0.46	
Chrysene	mg/kg	15		22.6	1.26	19	19	0	17.7	2.26	6.03	10.3	21.8	4.2	11.7	22.6	1.33	
Dibenzo(ah)anthracene	mg/kg	0.24		2.04	0.11	19	18	1	2.03	0.27	0.54	0.99	1.94	0.36	1.29	2.04	0.13	
Fluoranthene	mg/kg	290		43.3	2.75	19	19	0	33.4	3.74	14.8	20.4	43.3	10.5	25.3	38.6	2.75	
Fluorene	mg/kg	170		4.13	0.16	19	19	0	1.78	0.16	0.83	2.09	3.32	0.76	2.95	4.13	0.16	
Indeno(123-cd)pyrene	mg/kg	27		8.84	0.59	19	19	0	7.34	1.36	3.01	4.52	8.84	2.11	5.14	8.55	0.69	
Naphthalene	mg/kg	13		1.96	0.05	19	17	2	<0.30		0.05	0.19	0.42	1.03	0.26	0.85	0.71	0.06
Phenanthrene	mg/kg	100		34.7	1.68	19	19	0	18.6	1.96	8.2	17	30.9	6.84	23.6	34.7	1.68	
Pyrene	mg/kg	620		36.2	2.49	19	19	0	28	3.47	13.7	17.1	36.2	9.22	21	35	2.49	
Total PAH-16MS	mg/kg			227	14.8	19	19	0	172	22.8	71.4	111	227	52.2	138	223	14.8	
Other analytes																		
% Natural Moisture Content (NMC)	% w/w			14.1	4.2	9	9	0			7.8	8.9	14.1	9.3		6.4		
% Stones >10mm	% w/w			24.4	<0.1	19	15	4	21	<0.1	24.4	20.1	4.4	16.7	9.9	21.2	<0.1	
pH	pH			8.02	6.62	19	19	0	7.07	6.62	7.43	7.06	6.94	7	6.82	7.11	6.64	
Sulphate (acid soluble)	mg/kg					0	0	0										
Sulphate (water sol 2:1)	g/l					0	0	0										
Total Organic Carbon	% w/w			6.48	2.58	19	19	0	4.04	3.24	4.54	4.85	6.02	2.84	4.46	4.1	2.58	
Converted to SOM (x / 0.58)	% w/w			11.17241	4.448276	19	19	0	6.96551724	5.5862069	7.82758621	8.36206897	10.3793103	4.89655172	7.68965517	7.06896552	4.44827586	

									Lab sample ID	
									Client sample ID	
									Depth to top	
									Depth to bottom	
									Date sampled	
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-dete		
Aro >C16-C21	mg/kg	260				0	0	0		
Aro >C21-C35	mg/kg	1100		672	8.7	10	10	0		
Aro >C21-C35	mg/kg	1100				0	0	0		
Total Aromatics	mg/kg			1210	19.6	10	10	0		
Total Aromatics	mg/kg					0	0	0		
TPH (Ali & Aro)	mg/kg					0	0	0		
TPH (Ali & Aro)	mg/kg			1360	19.6	10	10	0		
BTEX - Benzene	mg/kg	0.2			<0.01	10	0	10		
BTEX - Toluene	mg/kg	130			<0.01	10	0	10		
BTEX - Ethyl Benzene	mg/kg	50			<0.01	10	0	10		
BTEX - o Xylene	mg/kg	61			<0.01	10	0	10		
BTEX - m & p Xylene	mg/kg	57			<0.01	10	0	10		
TPH total (>C6-C40)	mg/kg			3350	46	9	9	0		
TPH ID (for FID characterisations)						9			hydrocarbons	
Fuel oxygenates										
MTBE	mg/kg	60			<0.01	10	0	10		
Polycyclic aromatic hydrocarbons										
Acenaphthene	mg/kg	230		6.05	0.23	19	19	0		
Acenaphthylene	mg/kg	180		0.3	0.05	19	18	1		
Anthracene	mg/kg	2400		8.14	0.37	19	19	0		
Benzo(a)anthracene	mg/kg	7		18.2	1.24	19	19	0		
Benzo(a)pyrene	mg/kg	5		14.7	0.93	19	19	0		
Benzo(b)fluoranthene	mg/kg	2.6		18.4	1.08	19	19	0		
Benzo(ghi)perylene	mg/kg	310		7.75	0.5	19	19	0		
Benzo(k)fluoranthene	mg/kg	77		7.64	0.35	19	19	0		
Chrysene	mg/kg	15		22.6	1.26	19	19	0		
Dibenzo(ah)anthracene	mg/kg	0.24		2.04	0.11	19	18	1		
Fluoranthene	mg/kg	290		43.3	2.75	19	19	0		
Fluorene	mg/kg	170		4.13	0.16	19	19	0		
Indeno(123-cd)pyrene	mg/kg	27		8.84	0.59	19	19	0		
Naphthalene	mg/kg	13		1.96	0.05	19	17	2		
Phenanthrene	mg/kg	100		34.7	1.68	19	19	0		
Pyrene	mg/kg	620		36.2	2.49	19	19	0		
Total PAH-16MS	mg/kg			227	14.8	19	19	0		
Other analytes										
% Natural Moisture Content (NMC)	% w/w			14.1	4.2	9	9	0		
% Stones >10mm	% w/w			24.4	<0.1	19	15	4		
pH	pH			8.02	6.62	19	19	0		
Sulphate (acid soluble)	mg/kg					0	0	0		
Sulphate (water sol 2:1)	g/l					0	0	0		
Total Organic Carbon	% w/w			6.48	2.58	19	19	0		
Converted to SOM (x / 0.58)	% w/w			11.17241	4.448276	19	19	0		

Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects	# exceeding	# exceeding	Max sample (ID and depth)
									GAC	T1	
Metals and Inorganics											
Chromium	mg/kg	910	21	65	21	19	19	0		19	HP06 - 0-0.2
Lead	mg/kg	200		377	77	19	19	0	9		HP05 - 0.1-0.25
Mercury	mg/kg	39	0.2	0.63	<0.17	19	16	3		16	HP17 - 0-0.2
Asbestos											
Asbestos in soil		Detect				19	2	17	2		
Asbestos Matrix (micr		Detect				19	2	17	2		
Petroleum Hydrocarbons											
Ali >C16-C	mg/kg	65000	8	231.1	<0.1	10	8	2		8	HP04 - 0.15-0.4
Aro >C16-C	mg/kg	260		467	5.9	10	10	0	2		HP08 - 0.1-0.25
Polycyclic aromatic hydrocarbons											
Benzo(a)ar	mg/kg	7		18.2	1.24	19	19	0	8		HP14 - 0-0.1
Benzo(a)py	mg/kg	5		14.7	0.93	19	19	0	8		HP14 - 0-0.1
Benzo(b)fl	mg/kg	2.6		18.4	1.08	19	19	0	15		HP14 - 0-0.1
Chrysene	mg/kg	15		22.6	1.26	19	19	0	4		HP16 - 0.15-0.2
Dibenzo(a)	mg/kg	0.24		2.04	0.11	19	18	1	16		HP16 - 0.15-0.2

APPENDIX M

WM3 ASSESSMENT



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08	HP09
0	0	0	0.15	0.1	0	0.05	0.1	0.2
18/04765/1	18/04765/2	18/04765/3	18/04765/4	18/04765/5	18/04765/6	18/04765/7	18/04765/8	18/04765/9

POPs Dioxins and Furans Input Total Dioxins and Furans

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							
Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
Organotin								
Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							
Tin excluding Organotin								
Tin excl Organotin	mg/kg							



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Asbestos in Soil	Thresholds
Asbestos detected in Soil (enter Y or N)	Y

Asbestos % Composition in Soil (Matrix Loose Fibres or Microscopic Identifiable Pieces only)	see "Carc HP7 % Asbestos in Soil (Fibres)" below
Carcinogenic HP7 % Asbestos in Soil (fibres or micro pieces)	≥0.1%
Please be advised, if the calculation cell is "0.00000" DOES NOT MEAN asbestos testing has been undertaken and the result is zero.	

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08	HP09
0	0	0	0.15	0.1	0	0.05	0.1	0.2
18/04765/1	18/04765/2	18/04765/3	18/04765/4	18/04765/5	18/04765/6	18/04765/7	18/04765/8	18/04765/9

N	Y	N	N	N	Y	N	N	N
If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7								
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

						Y		
--	--	--	--	--	--	---	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

Hazardous Property	Thresholds	Cut Off Value
Corrosive HP8	≥5%	<1%
Irritant HP4	≥10%	<1%
Irritant HP4	≥20%	<1%
Specific Target Organ Toxicity HP5	≥1%	
Specific Target Organ Toxicity HP5	≥20%	
Specific Target Organ Toxicity HP5	≥1%	
Specific Target Organ Toxicity HP5	≥10%	
Aspiration Toxicity HP5	≥10%	
Acute Toxicity HP6	≥0.1%	<0.1%
Acute Toxicity HP6	≥0.25%	<0.1%
Acute Toxicity HP6	≥5%	<0.1%
Acute Toxicity HP6	≥25%	<1%
Acute Toxicity HP6	≥0.25%	<0.1%
Acute Toxicity HP6	≥2.5%	<0.1%
Acute Toxicity HP6	≥15%	<0.1%
Acute Toxicity HP6	≥55%	<1%
Acute Toxicity HP6	≥0.1%	<0.1%
Acute Toxicity HP6	≥0.5%	<0.1%
Acute Toxicity HP6	≥3.5%	<0.1%
Acute Toxicity HP6	≥22.5%	<1%
Carcinogenic HP7	≥0.1%	
Carcinogenic HP7	≥1%	
Carcinogenic HP7 Unknown TPH with ID	≥1,000mg/kg	
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%	
pH Corrosive HP8 pH (soil or leachate)	H8 ≥11.5	
pH Corrosive HP8 pH (soil or leachate)	H8 ≤2	
Toxic for Reproduction HP10	≥0.3%	
Toxic for Reproduction HP10	≥3%	
Mutagenic HP11	≥0.1%	
Mutagenic HP11 Unknown TPH with ID	≥1,000mg/kg	
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%	
Mutagenic HP11	≥1%	
Produces Toxic Gases HP12 Sulphide	≥1,400mg/kg	
Produces Toxic Gases HP12 Cyanide	≥1,200mg/kg	
Produces Toxic Gases HP12 Thiocyanate	≥2,600mg/kg	
HP13 Sensitising	≥10%	

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.								
0.00739	0.00779	0.00778	0.00701	0.00856	0.01314	0.00670	0.01002	0.00804
0.01642	0.01806	0.01281	0.01337	0.02507	0.01354	0.01816	0.01690	0.01624
0.02965	0.04014	0.02601	0.04549	0.03560	0.02800	0.02795	0.02386	0.03453
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00570	0.01100	0.00469	0.01850	0.00216	0.00455	0.00288	0.00151	0.00877
0.00667	0.00869	0.00808	0.00768	0.00909	0.01248	0.00727	0.00883	0.00788
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.03870	0.01750	0.13600	0.03510
0.02380	0.04580	0.00000	0.05720	0.00000	0.03870	0.00000	0.13600	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00150	0.00109	0.00109	0.00149	0.00069	0.00134	0.00124	0.00137
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.01262	0.00552	0.00897	0.00686
0.05189	0.07129	0.06234	0.07022	0.07358	0.06541	0.04550	0.03721	0.06964
#VALUE!	0.00005	0.00003	0.00004	0.00004	0.00003	0.00002	0.00005	0.00005
0.00634	0.00634	0.00672	0.00595	0.00710	0.01248	0.00538	0.00883	0.00672
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00012	0.00018	0.00016	0.00014	0.00018	0.00019	0.00019	0.00011	0.00009
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00654	0.00691	0.00613	0.00723	0.01270	0.00550	0.00898	0.00692
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.00014	0.00014	0.00014	0.00014
0.04423	0.05640	0.05603	0.04509	0.07041	0.05947	0.04161	0.03507	0.05789
0.02380	0.04580	0.03620	0.05720	0.03770	0.03870	0.01750	0.13600	0.03510
0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
0.00570	0.01100	0.00469	0.01850	0.00216	0.00455	0.00288	0.00151	0.00877
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7.32	7.95	7.88	7.35	6.95	8.02	7.27	6.80	7.55
7.32	7.95	7.88	7.35	6.95	8.02	7.27	6.80	7.55
0.02220	0.03110	0.03620	0.02510	0.03770	0.03750	0.01750	0.01330	0.03510
0.02380	0.04580	0.00672	0.05720	0.00710	0.03870	0.00538	0.13600	0.00672
0.02380	0.04580	0.00672	0.05720	0.00710	0.03870	0.00538	0.13600	0.00672
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.00667	0.01100	0.00808	0.01850	0.00909	0.00909	0.00727	0.00606	0.00877
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.00667	0.01100	0.00808	0.01850	0.00909	0.01248	0.00727	0.00883	0.00877

Ecotoxic HP14 amended v6	≥25%	<0.1%
#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!
0.12179	0.07652	0.06908
0.11517		



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If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08	HP09
0	0	0	0.15	0.1	0	0.05	0.1	0.2
18/04765/1	18/04765/2	18/04765/3	18/04765/4	18/04765/5	18/04765/6	18/04765/7	18/04765/8	18/04765/9

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.16049	0.07652	0.20508	0.11517
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	12.56640	7.65170	8.26790	11.51700
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please contact Envirolab.



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Depth (m)

Envirolab reference

HP10	HP10	HP11	HP12	HP13	HP14	HP15	HP16	HP16
0	0.2	0	0.2	0	0	0	0	0.15
18/04765/10	18/04765/11	18/04765/12	18/04765/13	18/04765/14	18/04765/15	18/04765/16	18/04765/17	18/04765/18

POPs Dioxins and Furans Input Total Dioxins and Furans

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
Organotin								
Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							
Tin excluding Organotin								
Tin excl Organotin	mg/kg							



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Asbestos in Soil	Thresholds
Asbestos detected in Soil (enter Y or N)	Y
Asbestos % Composition in Soil (Matrix Loose Fibres or Microscopic Identifiable Pieces only)	see "Carc HP7 % Asbestos in Soil (Fibres)" below
Carcinogenic HP7 % Asbestos in Soil (fibres or micro pieces)	≥0.1%
Please be advised, if the calculation cell is "0.00000" DOES NOT MEAN asbestos testing has been undertaken and the result is zero.	

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

HP10	HP10	HP11	HP12	HP13	HP14	HP15	HP16	HP16
0	0.2	0	0.2	0	0	0	0	0.15
18/04765/10	18/04765/11	18/04765/12	18/04765/13	18/04765/14	18/04765/15	18/04765/16	18/04765/17	18/04765/18

N	N	N	N	N	N	N	N	N
If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7								
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

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If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

Hazardous Property	Thresholds	Cut Off Value
Corrosive HP8	≥5%	<1%
Irritant HP4	≥10%	<1%
Irritant HP4	≥20%	<1%
Specific Target Organ Toxicity HP5	≥1%	
Specific Target Organ Toxicity HP5	≥20%	
Specific Target Organ Toxicity HP5	≥1%	
Specific Target Organ Toxicity HP5	≥10%	
Aspiration Toxicity HP5	≥10%	
Acute Toxicity HP6	≥0.1%	<0.1%
Acute Toxicity HP6	≥0.25%	<0.1%
Acute Toxicity HP6	≥5%	<0.1%
Acute Toxicity HP6	≥25%	<1%
Acute Toxicity HP6	≥0.25%	<0.1%
Acute Toxicity HP6	≥2.5%	<0.1%
Acute Toxicity HP6	≥15%	<0.1%
Acute Toxicity HP6	≥50%	<1%
Acute Toxicity HP6	≥0.1%	<0.1%
Acute Toxicity HP6	≥0.5%	<0.1%
Acute Toxicity HP6	≥3.5%	<0.1%
Acute Toxicity HP6	≥22.5%	<1%
Carcinogenic HP7	≥0.1%	
Carcinogenic HP7	≥1%	
Carcinogenic HP7 Unknown TPH with ID	≥1,000mg/kg	
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%	
pH Corrosive HP8 pH (soil or leachate)	H8 ≥11.5	
pH Corrosive HP8 pH (soil or leachate)	H8 ≤2	
Toxic for Reproduction HP10	≥0.3%	
Toxic for Reproduction HP10	≥3%	
Mutagenic HP11	≥0.1%	
Mutagenic HP11 Unknown TPH with ID	≥1,000mg/kg	
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%	
Mutagenic HP11	≥1%	
Produces Toxic Gases HP12 Sulphide	≥1,400mg/kg	
Produces Toxic Gases HP12 Cyanide	≥1,200mg/kg	
Produces Toxic Gases HP12 Thiocyanate	≥2,600mg/kg	
HP13 Sensitising	≥10%	
Ecotoxic HP14 amended v6	≥25%	<0.1%

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.								
0.00888	0.00611	0.00856	0.00662	0.00547	0.00721	0.00496	0.00754	0.00580
0.03266	0.01991	0.02123	0.01857	0.01179	0.01490	0.00963	0.01130	0.01317
0.04412	0.05129	0.02935	0.03589	0.03059	0.04999	0.02044	0.03493	0.04794
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00537	0.01720	0.00228	0.00714	0.01110	0.02270	0.00522	0.01380	0.02230
0.00730	0.00949	0.00710	0.00869	0.00465	0.00586	0.00465	0.00606	0.00525
0.02570	0.10200	0.01780	0.02850	0.01190	0.01280	0.00770	0.03100	0.01290
0.01490	0.10200	0.00501	0.00000	0.00000	0.00000	0.00000	0.03100	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00162	0.00096	0.00150	0.00109	0.00109	0.00151	0.00094	0.00162	0.00123
0.00744	0.00533	0.00725	0.00571	0.00456	0.00590	0.00417	0.00609	0.00475
0.06972	0.06886	0.04723	0.06437	0.04227	0.06246	0.02811	0.04816	0.05994
0.00004	0.00004	0.00005	0.00004	0.00004	0.00005	0.00002	0.00004	0.00004
0.00730	0.00518	0.00710	0.00557	0.00442	0.00576	0.00403	0.00595	0.00461
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00011	0.00012	0.00012	0.00020	0.00009	0.00011	0.00007	0.00010	0.00009
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00744	0.00534	0.00727	0.00581	0.00454	0.00592	0.00412	0.00609	0.00474
0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014
0.06223	0.04628	0.04424	0.05470	0.02728	0.03211	0.02106	0.02928	0.03013
0.02570	0.10200	0.01780	0.02850	0.01190	0.01280	0.00770	0.03100	0.01290
0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
0.00537	0.01720	0.00228	0.00714	0.01110	0.02270	0.00522	0.01380	0.02230
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.80	7.07	6.62	7.43	7.06	6.94	7.00	6.82	7.11
6.80	7.07	6.62	7.43	7.06	6.94	7.00	6.82	7.11
0.02570	0.01780	0.01780	0.02850	0.01190	0.02270	0.00770	0.01380	0.02230
0.01490	0.10200	0.00710	0.00557	0.00442	0.00576	0.00403	0.00609	0.00461
0.01490	0.10200	0.00710	0.00714	0.01110	0.02270	0.00522	0.03100	0.02230
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.00545	0.01720	0.00667	0.00869	0.01110	0.02270	0.00522	0.01380	0.02230
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.00730	0.01720	0.00710	0.00869	0.01110	0.02270	0.00522	0.01380	0.02230
0.11196	0.11212	0.08189	0.11179	0.07465	0.10922	0.04858	0.08329	0.09704



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

HP10	HP10	HP11	HP12	HP13	HP14	HP15	HP16	HP16
0	0.2	0	0.2	0	0	0	0	0.15
18/04765/10	18/04765/11	18/04765/12	18/04765/13	18/04765/14	18/04765/15	18/04765/16	18/04765/17	18/04765/18

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.12686	0.21412	0.08690	0.11179	0.07465	0.10922	0.04858	0.11429	0.09704
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	11.34490	12.23160	8.23890	11.17910	7.46500	10.92200	4.85750	8.63880	9.70360
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

HP17	BH01	BH01	BH03	BH03	BH03	BH02	BH02	BH05
0	0.3	1.3	0.3	0.9	1.7	0.4	1.55	0.9
18/04765/19	21/02582/2	21/02582/4	21/02582/6	21/02582/8	21/02582/9	21/04301/2	21/04301/3	21/04301/6

POPs Dioxins and Furans Input Total Dioxins and Furans

OR Individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							
Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
Organotin								
Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							
Tin excluding Organotin								
Tin excl Organotin	mg/kg							



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

HP17	BH01	BH01	BH03	BH03	BH03	BH02	BH02	BH05
0	0.3	1.3	0.3	0.9	1.7	0.4	1.55	0.9
18/04765/19	21/02582/2	21/02582/4	21/02582/6	21/02582/8	21/02582/9	21/04301/2	21/04301/3	21/04301/6

Asbestos in Soil	Thresholds
Asbestos detected in Soil (enter Y or N)	Y

Asbestos % Composition in Soil (Matrix Loose Fibres or Microscopic Identifiable Pieces only)	see "Carb HP7 % Asbestos in Soil (Fibres)" below
Carcinogenic HP7 % Asbestos in Soil (fibres or micro pieces)	≥0.1%
Please be advised, if the calculation cell is "0.00000" DOES NOT MEAN asbestos testing has been undertaken and the result is zero.	

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

N	n	n	n	n	n	n	n	Y
If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7								
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

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If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

Hazardous Property	Thresholds	Cut Off Value
Corrosive HP8	≥5%	<1%
Irritant HP4	≥10%	<1%
Irritant HP4	≥20%	<1%
Specific Target Organ Toxicity HP5	≥1%	
Specific Target Organ Toxicity HP5	≥20%	
Specific Target Organ Toxicity HP5	≥1%	
Specific Target Organ Toxicity HP5	≥10%	
Aspiration Toxicity HP5	≥10%	
Acute Toxicity HP6	≥0.1%	<0.1%
Acute Toxicity HP6	≥0.25%	<0.1%
Acute Toxicity HP6	≥5%	<0.1%
Acute Toxicity HP6	≥25%	<1%
Acute Toxicity HP6	≥0.25%	<0.1%
Acute Toxicity HP6	≥2.5%	<0.1%
Acute Toxicity HP6	≥15%	<0.1%
Acute Toxicity HP6	≥55%	<1%
Acute Toxicity HP6	≥0.1%	<0.1%
Acute Toxicity HP6	≥0.5%	<0.1%
Acute Toxicity HP6	≥3.5%	<0.1%
Acute Toxicity HP6	≥22.5%	<1%
Carcinogenic HP7	≥0.1%	
Carcinogenic HP7	≥1%	
Carcinogenic HP7 Unknown TPH with ID	≥1,000mg/kg	
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%	
pH Corrosive HP8 pH (soil or leachate)	H8 ≥11.5	
pH Corrosive HP8 pH (soil or leachate)	H8 ≤2	
Toxic for Reproduction HP10	≥0.3%	
Toxic for Reproduction HP10	≥3%	
Mutagenic HP11	≥0.1%	
Mutagenic HP11 Unknown TPH with ID	≥1,000mg/kg	
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%	
Mutagenic HP11	≥1%	
Produces Toxic Gases HP12 Sulphide	≥1,400mg/kg	
Produces Toxic Gases HP12 Cyanide	≥1,200mg/kg	
Produces Toxic Gases HP12 Thiocyanate	≥2,600mg/kg	
HP13 Sensitising	≥10%	
Ecotoxic HP14 amended v6	≥25%	<0.1%

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.								
0.00766	0.00416	0.00427	0.00282	0.00450	0.00000	0.00866	0.03636	0.00566
0.02143	0.00183	0.00882	0.00183	0.00868	0.00000	0.01759	0.18833	0.00603
0.02753	#REF!	#REF!	#REF!	#REF!	0.00000	0.10271	0.19084	0.03428
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00148	#REF!	#REF!	#REF!	#REF!	0.00000	0.05990	0.00033	0.01700
0.00634	0.00505	0.00525	0.00303	0.00404	0.00000	0.00768	0.02767	0.00525
0.01310	#VALUE!	0.00740	#VALUE!	0.03540	0.00000	0.31400	0.21100	0.09770
0.00196	0.78400	0.00210	0.12600	0.03540	0.00000	0.31400	0.00360	0.09770
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00138	0.00015	0.00160	0.00015	0.00071	0.00000	0.00298	0.02563	0.00107
0.00662	#VALUE!	0.00283	#VALUE!	0.00412	0.00000	0.00590	0.01089	0.00475
0.04069	#REF!	#REF!	#REF!	#REF!	0.00000	0.12745	#VALUE!	0.04069
0.00006	0.00002	0.00002	0.00002	0.00005	0.00000	0.00008	0.00002	0.00002
0.00634	0.00403	0.00269	0.00269	0.00384	0.00000	0.00576	0.01075	0.00461
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00009	0.00005	0.00008	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00649	0.00410	0.00279	0.00276	0.00395	0.00000	0.00604	0.01136	0.00476
0.00028	#VALUE!	0.00014	#VALUE!	0.00028	0.00000	0.00014	0.00014	0.00014
0.03867	0.00755	0.01988	0.00613	0.02256	0.00000	0.04907	0.40139	0.01682
0.01310	#REF!	#REF!	#REF!	#REF!	0.00000	0.31400	0.21100	0.09770
0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
0.00148	#REF!	#REF!	#REF!	#REF!	0.00000	0.05990	0.00033	0.01700
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.64	8.69	7.61	7.97	8.08	0.00	8.10	7.31	7.98
6.64	8.69	7.61	7.97	8.08	0.00	8.10	7.31	7.98
0.01310	#REF!	#REF!	#REF!	#REF!	0.00000	0.05990	0.21100	0.01700
0.00634	0.78400	0.00269	0.12600	0.03540	0.00000	0.31400	0.01075	0.09770
0.00634	#REF!	#REF!	#REF!	#REF!	0.00000	0.31400	0.01075	0.09770
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.00545	#REF!	#REF!	#REF!	#REF!	0.00000	0.05990	0.02767	0.01700
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.00634	#REF!	#REF!	#REF!	#REF!	0.00000	0.05990	0.02767	0.01700
0.06839	#VALUE!	#REF!	#VALUE!	#REF!	0.00000	0.21687	#VALUE!	0.06796



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

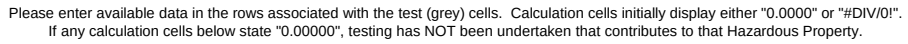
Depth (m)

Envirolab reference

HP17	BH01	BH01	BH03	BH03	BH03	BH02	BH02	BH05
0	0.3	1.3	0.3	0.9	1.7	0.4	1.55	0.9
18/04765/19	21/02582/2	21/02582/4	21/02582/6	21/02582/8	21/02582/9	21/04301/2	21/04301/3	21/04301/6

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.07035	#VALUE!	#REF!	#VALUE!	#REF!	0.00000	0.53087	#VALUE!	0.16566
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	6.85860	#VALUE!	#REF!	#VALUE!	#REF!	0.00000	24.82660	#VALUE!	7.77310
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Every Street, Bury

Pb/WS/BH		BH05	BH04	BH04	BH06	BH06				
Depth (m)		1.95	0.8	1.25	0.6	2.3				
Envirolab reference		21/04301/8	21/04301/10	21/04301/11	21/04301/13	21/04301/14				
% Moisture		%								
pH (soil)		7.74	7.09	7.22	6.92	7.09				
pH (leachate)										
Arsenic		mg/kg	1	4	3	15	2			
Cadmium		mg/kg	0.5	1.4	0.9	1.6	0.9			
Copper		mg/kg	9	25	20	74	16			
CrVI or Chromium		mg/kg	11	23	17	17	17			
Lead		mg/kg	12	18	18	124	12			
Mercury		mg/kg	0.17	0.17	0.17	0.17	0.17			
Nickel		mg/kg	6	31	16	29	16			
Selenium		mg/kg	1	1	1	1	1			
Zinc		mg/kg	15	68	45	81	40			
Barium		mg/kg								
Beryllium		mg/kg								
Vanadium		mg/kg								
Cobalt		mg/kg								
Manganese		mg/kg								
Molybdenum		mg/kg								
Antimony		mg/kg								
Aluminium		mg/kg								
Bismuth		mg/kg								
CrIII		mg/kg								
Iron		mg/kg								
Strontium		mg/kg								
Tellurium		mg/kg								
Thallium		mg/kg								
Titanium		mg/kg								
Tungsten		mg/kg								
Ammoniacal N		mg/kg								
ws Boron		mg/kg								
PAH (Input Total PAH OR individual PAH results)										
Acenaphthene		mg/kg	0.06	0.01		78.1	0.01			
Acenaphthylene		mg/kg	0.01	0.01		0.53	0.01			
Anthracene		mg/kg	0.07	0.02		71	0.02			
Benzo(a)anthracene		mg/kg	0.35	0.04		183	0.04			
Benzo(a)pyrene		mg/kg	0.42	0.04		68.5	0.04			
Benzo(b)fluoranthene		mg/kg	0.49	0.05		73.8	0.05			
Benzo(k)fluoranthene		mg/kg	0.21	0.05		24.1	0.05			
Benzo(ghi)perylene		mg/kg	0.18	0.07		32.5	0.07			
Chrysene		mg/kg	0.41	0.06		151	0.06			
Dibenzo(ah)anthracene		mg/kg	0.04	0.04		7.82	0.04			
Fluoranthene		mg/kg	0.74	0.08		240	0.08			
Fluorene		mg/kg	0.03	0.01		48.7	0.01			
Indeno(123cd)pyrene		mg/kg	0.22	0.03		31.7	0.03			
Naphthalene		mg/kg	0.03	0.03		17.7	0.03			
Phenanthrene		mg/kg	0.29	0.05		345	0.05			
Pyrene		mg/kg	0.74	0.07		230	0.07			
Coronene		mg/kg								
Total PAHs (16 or 17)		mg/kg	4.21	0.08		1600	0.08			
TPH										
Petrol		mg/kg								
Diesel		mg/kg								
Lube Oil		mg/kg								
Crude Oil		mg/kg								
White Spirit / Kerosene		mg/kg								
Creosote		mg/kg								
Unknown TPH with ID		mg/kg								
Unknown TPHCWG		mg/kg	223	19		6430	1			
Total Sulphide		mg/kg								
Complex Cyanide		mg/kg								
Free (or Total) Cyanide		mg/kg								
Thiocyanate		mg/kg								
Elemental/Free Sulphur		mg/kg								
Phenols Input Total Phenols HPLC OR individual Phenol results.										
Phenol		mg/kg								
Cresols		mg/kg								
Xylenols		mg/kg								
Resorcinol		mg/kg								
Phenols Total by HPLC		mg/kg								
BTEx Input Total BTEx OR individual BTEx results.										
Benzene		mg/kg								
Toluene		mg/kg								
Ethylbenzene		mg/kg								
Xylenes		mg/kg								
Total BTEx		mg/kg								
PCBs (POPs)										
PCBs Total (eq EC7/WHO12)		mg/kg								
PBBs (POPs)										
Hexabromobiphenyl (Total or PBB153; 2,2',4,4',5,5'- if only available).		mg/kg								



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

BH05	BH04	BH04	BH06	BH06
1.95	0.8	1.25	0.6	2.3
21/04301/8	21/04301/10	21/04301/11	21/04301/13	21/04301/14

POPs Dioxins and Furans Input Total Dioxins and Furans

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
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Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							
Tin excluding Organotin								
Tin excl Organotin	mg/kg							



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Asbestos in Soil

Thresholds

Asbestos detected in Soil (enter Y or N)

Y

Asbestos % Composition in Soil (Matrix Loose Fibres or Microscopic Identifiable Pieces only)

see "Carc HP7 % Asbestos in Soil (Fibres)" below

%

Carcinogenic HP7 % Asbestos in Soil (fibres or micro pieces)

Please be advised, if the calculation cell is "0.00000" DOES NOT MEAN asbestos testing has been undertaken and the result is zero.

≥0.1%

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)

Y

BH05	BH04	BH04	BH06	BH06				
1.95	0.8	1.25	0.6	2.3				
21/04301/8	21/04301/10	21/04301/11	21/04301/13	21/04301/14				

n				n					
If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7									
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

Hazardous Property	Thresholds	Cut Off Value
Corrosive HP8	≥5%	<1%
Irritant HP4	≥10%	<1%
Irritant HP4	≥20%	<1%
Specific Target Organ Toxicity HP5	≥1%	
Specific Target Organ Toxicity HP5	≥20%	
Specific Target Organ Toxicity HP5	≥1%	
Specific Target Organ Toxicity HP5	≥10%	
Aspiration Toxicity HP5	≥10%	
Acute Toxicity HP6	≥0.1%	<0.1%
Acute Toxicity HP6	≥0.25%	<0.1%
Acute Toxicity HP6	≥5%	<0.1%
Acute Toxicity HP6	≥25%	<1%
Acute Toxicity HP6	≥0.25%	<0.1%
Acute Toxicity HP6	≥2.5%	<0.1%
Acute Toxicity HP6	≥15%	<0.1%
Acute Toxicity HP6	≥55%	<1%
Acute Toxicity HP6	≥0.1%	<0.1%
Acute Toxicity HP6	≥0.5%	<0.1%
Acute Toxicity HP6	≥3.5%	<0.1%
Acute Toxicity HP6	≥22.5%	<1%
Carcinogenic HP7	≥0.1%	
Carcinogenic HP7	≥1%	
Carcinogenic HP7 Unknown TPH with ID	≥1,000mg/kg	
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%	
pH Corrosive HP8 pH (soil or leachate)	H8 ≥11.5	
pH Corrosive HP8 pH (soil or leachate)	H8 ≤2	
Toxic for Reproduction HP10	≥0.3%	
Toxic for Reproduction HP10	≥9%	
Mutagenic HP11	≥0.1%	
Mutagenic HP11 Unknown TPH with ID	≥1,000mg/kg	
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%	
Mutagenic HP11	≥1%	
Produces Toxic Gases HP12 Sulphide	≥1,400mg/kg	
Produces Toxic Gases HP12 Cyanide	≥1,200mg/kg	
Produces Toxic Gases HP12 Thiocyanate	≥2,600mg/kg	
HP13 Sensitising	≥10%	
Ecotoxic HP14 amended v6	≥25%	<0.1%

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.									
0.00224	0.00494	0.00366	0.00524	0.00353	0.00000	0.00000	0.00000	0.00000	0.00000
0.00115	0.00335	0.00266	0.01034	0.00207	0.00000	0.00000	0.00000	0.00000	0.00000
0.00277	0.00911	0.00549	0.24668	0.00506	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00042	0.00001	0.00000	0.16000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
0.00211	0.00626	0.00326	0.00586	0.00326	0.00000	0.00000	0.00000	0.00000	0.00000
0.02230	0.00190	0.00180	0.64300	0.00120	0.00000	0.00000	0.00000	0.00000	0.00000
0.02230	0.00190	0.00000	0.64300	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00015	0.00055	0.00041	0.00200	0.00028	0.00000	0.00000	0.00000	0.00000	0.00000
0.00225	0.00456	0.00341	0.00341	0.00341	0.00000	0.00000	0.00000	0.00000	0.00000
0.00401	0.01105	0.00738	0.24710	0.00636	0.00000	0.00000	0.00000	0.00000	0.00000
0.00002	0.00002	0.00002	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000
0.00211	0.00442	0.00326	0.00326	0.00326	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00005	0.00014	0.00009	0.00016	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00218	0.00457	0.00337	0.00344	0.00337	0.00000	0.00000	0.00000	0.00000	0.00000
0.00014	0.00014	0.00014	0.00014	0.00014	0.00000	0.00000	0.00000	0.00000	0.00000
0.00343	0.01089	0.00729	0.02662	0.00624	0.00000	0.00000	0.00000	0.00000	0.00000
0.02230	0.00626	0.00326	0.64300	0.00326	0.00000	0.00000	0.00000	0.00000	0.00000
0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
0.00042	0.00001	0.00000	0.16000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7.74	7.09	7.22	6.92	7.09	0.00	0.00	0.00	0.00	0.00
7.74	7.09	7.22	6.92	7.09	0.00	0.00	0.00	0.00	0.00
0.00121	0.00626	0.00323	0.16000	0.00323	0.00000	0.00000	0.00000	0.00000	0.00000
0.02230	0.00442	0.00326	0.64300	0.00326	0.00000	0.00000	0.00000	0.00000	0.00000
0.02230	0.00442	0.00326	0.64300	0.00326	0.00000	0.00000	0.00000	0.00000	0.00000
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.00121	0.00626	0.00323	0.16000	0.00323	0.00000	0.00000	0.00000	0.00000	0.00000
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.00211	0.00626	0.00326	0.16000	0.00326	0.00000	0.00000	0.00000	0.00000	0.00000
0.00858	0.02470	0.01683	0.35943	0.01509	0.00000	0.00000	0.00000	0.00000	0.00000



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

BH05

1.95

21/04301/8

BH04

0.8

21/04301/10

BH04

1.25

21/04301/11

BH06

0.6

21/04301/13

BH06

2.3

21/04301/14

Ecotoxic HP14

amended v6

≥25%

<0.1%
(except Be, V,
Te, Ti, Petrol,
Diesel, Crude
Oil,
Kerosene,
White Spirit,
Crosote,
TPH,
TPHCWG,
Phenol,
Cresols,
Xylenols, T-
Phenols,
CompCN,
Thiocyanate,
Toluene,
Ethylbenzene,
Xylene +
BTEX 1%).

0.03088

0.02660

0.01683

1.00243

0.01519

0.00000

0.00000

0.00000

0.00000

Ecotoxic HP14

amended v6

≥25%

<0.1%
(except Be, V,
Te, Ti, Petrol,
Diesel, Crude
Oil,
Kerosene,
White Spirit,
Crosote,
TPH,
TPHCWG,
Phenol,
Cresols,
Xylenols, T-
Phenols,
CompCN,
Thiocyanate,
Toluene,
Ethylbenzene,
Xylene +
BTEX 1%).

1.08130

2.48890

1.68250

42.37290

1.50960

0.00000

0.00000

0.00000

0.00000

Persistent Organic Pollutant
(PCB, PBB or POP Pesticides)

>0.005%

0.00000000

0.00000000

0.00000000

0.00000000

0.00000000

0.00000000

0.00000000

0.00000000

0.00000000

Persistent Organic Pollutant
(Total Dioxins+Furans)

>0.0000015%

0.000000000

0.000000000

0.000000000

0.000000000

0.000000000

0.000000000

0.000000000

0.000000000

0.000000000

Persistent Organic Pollutant
(Individual Dioxins+Furans)

>0.0000015%

0.000000000

0.000000000

0.000000000

0.000000000

0.000000000

0.000000000

0.000000000

0.000000000

0.000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

POPs Dioxins and Furans Input Total Dioxins and Furans

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
--	-------	--	--	--	--	--	--	--

Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							

Tin excluding Organotin

Tin excl Organotin	mg/kg							
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TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenzo(ah)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

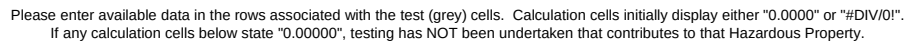
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

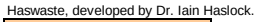
mg/kg

**Envirolab reference**

mg/kg

mg/kg

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

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Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

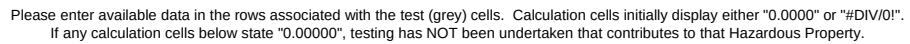
Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.



Envirolab reference

--	--	--	--	--	--	--	--	--

[illegible]

[illegible][illegible]

mg/kg

--	--	--	--	--	--	--	--	--

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

				Y				
--	--	--	--	---	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results, and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

[illegible]



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenzo(ah)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

POPs Dioxins and Furans Input Total Dioxins and Furans

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin

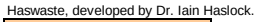
Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
--	-------	--	--	--	--	--	--	--

Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							

Tin excluding Organotin

Tin excl Organotin	mg/kg							
--------------------	-------	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

					2.16800			
0.00000	0.00000	0.00000	0.00000	0.00000	2.16800	0.00000	0.00000	0.00000

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--	--	--	--	--	--	--	--	--

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If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

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Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

Cadmium

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

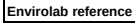
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Y

%

≥0.1%

[illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

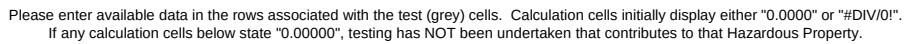
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

**Envirolab reference**

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2,3,7,8-TeCDD
1,2,3,7,8-PeCDD
1,2,3,4,7,8-HxCDD
1,2,3,6,7,8-HxCDD
1,2,3,7,8,9-HxCDD
1,2,3,4,6,7,8-HpCDD
OCDD
2,3,7,8-TeCDF
1,2,3,7,8-PeCDF
2,3,4,7,8-PeCDF
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDF
2,3,4,6,7,8-HxCDF
1,2,3,7,8,9-HxCDF
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
OCDF
Total Dioxins and Furans

Adrin
 α Hexachlorocyclohexane (alpha-HCH) *(leave empty if total HCH results used)*
 β Hexachlorocyclohexane (beta-HCH) *(leave empty if total HCH results used)*
 α-Cis-Chlordane (alpha) **OR**
Total Chlordane
 δ Hexachlorocyclohexane (delta-HCH) *(leave empty if total HCH results used)*
 Dieldrin
 Endrin
 γ Hexachlorocyclohexane (gamma-HCH) (lindane) **OR**
Total γ-HCH
 Heptachlor
 Hexachlorobenzene
 o,p'-DDT *(leave empty if total DDT results used)*
 o,p'-DDT **OR** Total DDT
 γ Trans-Chlordane (gamma) *(leave empty if total Chlordane results used)*

Chlordecone (kepone)
 Pentachlorobenzene
 Mirex
 Toxaphene (campehechlor)

[illegible]

Tin (leave empty if Organotin and Tin excl Organotin results used)

--	--	--	--	--	--	--	--	--

Dibutyltin; DiBT
Tributyltin; TriBT
Triphenyltin; TriPT
Tetrabutyltin; TeBT

Tin excl Organotin

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

POPs Dioxins and Furans Input Total Dioxins and Furans

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
--	-------	--	--	--	--	--	--	--

Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							

Tin excluding Organotin

Tin excl Organotin	mg/kg							
--------------------	-------	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH
Depth (m)
Envirolab reference

--	--	--	--	--	--	--	--	--

**POPs Dioxins and Furans Input Total Dioxins and Furans
OR individual Dioxin and Furan results.**

2,3,7,8-TeCDD
1,2,3,7,8-PeCDD
1,2,3,4,7,8-HxCDD
1,2,3,6,7,8-HxCDD
1,2,3,7,8,9-HxCDD
1,2,3,4,6,7,8-HpCDD
OCDD
2,3,7,8-TeCDF
1,2,3,7,8-PeCDF
2,3,4,7,8-PeCDF
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDF
2,3,4,6,7,8-HxCDF
1,2,3,7,8,9-HxCDF
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
OCDF
Total Dioxins and Furans

--	--	--	--	--	--	--	--	--

Some Pesticides (POPs unless otherwise stated)

Aldrin
 α Hexachlorocyclohexane (alpha-HCH) *(leave empty if total HCH results used)*
 β Hexachlorocyclohexane (beta-HCH) *(leave empty if total HCH results used)*
 α Cis-Chlordane (alpha) **OR**
 Total Chlordane
 δ Hexachlorocyclohexane (delta-HCH) *(leave empty if total HCH results used)*
 Dieldrin
 Endrin
 γ Hexachlorocyclohexane (gamma-HCH) (lindane) **OR**
 Total HCH
 Heptachlor
 Hexachlorobenzene
 o,p'-DDT *(leave empty if total DDT results used)*
 p,p'-DDT **OR** Total DDT
 γ Trans-Chlordane (gamma) *(leave empty if total Chlordane results used)*
 Chlordecone (kepone)
 Pentachlorobenzene
 Mirex
 Toxaphene (campechlor)

[illegible]

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)

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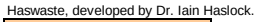
Organotin

Dibutyltin; DiBT
Tributyltin; TriBT
Triphenyltin; TriPT
Tetrabutyltin; TeBT

Tin excluding Organotin

Tin excl Organotin

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Depth (m)	Envirolab reference
-----------	---------------------

Asbestos detected in Soil (enter Y or N)

Y

see "Carc HP7
% Asbestos in
Soil (Fibres)"
below

%

≥0.1%

Y

[illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

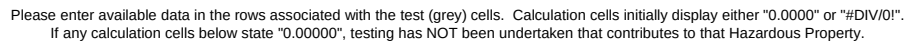
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Every Street, Bury

TP/WS/BH

Depth (m)

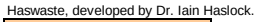
Envirolab reference

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg
1,2,3,7,8-PeCDD	mg/kg
1,2,3,4,7,8-HxCDD	mg/kg
1,2,3,6,7,8-HxCDD	mg/kg
1,2,3,7,8,9-HxCDD	mg/kg
1,2,3,4,6,7,8-HpCDD	mg/kg
OCDD	mg/kg
2,3,7,8-TeCDF	mg/kg
1,2,3,7,8-PeCDF	mg/kg
2,3,4,7,8-PeCDF	mg/kg
1,2,3,4,7,8-HxCDF	mg/kg
1,2,3,6,7,8-HxCDF	mg/kg
2,3,4,6,7,8-HxCDF	mg/kg
1,2,3,7,8,9-HxCDF	mg/kg
1,2,3,4,6,7,8-HpCDF	mg/kg
1,2,3,4,7,8,9-HpCDF	mg/kg
OCDF	mg/kg
Total Dioxins and Furans	mg/kg

[illegible]

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg								
Organotin									
Dibutyltin; DiBT	mg/kg								
Tributyltin; TriBT	mg/kg								
Triphenyltin; TriPT	mg/kg								
Tetrabutyltin; TeBT	mg/kg								
Tin excluding Organotin									
Tin excl Organotin	mg/kg								



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns **red**, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

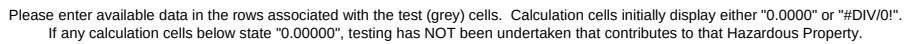
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

mg/kg

mg/kg

mg/kg
mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

POPs Dioxins and Furans Input Total Dioxins and Furans

OR Individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
--	-------	--	--	--	--	--	--	--

Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							

Tin excluding Organotin

Tin excl Organotin	mg/kg							
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Depth (m)	Envirolab reference
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Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
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If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

POPs Dioxins and Furans Input Total Dioxins and Furans

OR Individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
--	-------	--	--	--	--	--	--	--

Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							

Tin excluding Organotin

Tin excl Organotin	mg/kg							
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TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
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Ecotoxic HP14 amended v6	≥25%	<0.1%
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--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

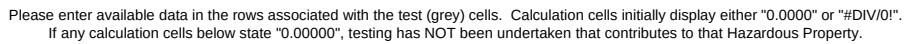
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

mg/kg

mg/kg

mg/kg
mg/kg



Depth (m)	Envirolab reference
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Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
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--	--	--	--	--	--	--	--	--

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
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Ecotoxic HP14 amended v6	≥25%	<0.1%
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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

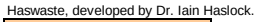
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

POPs Dioxins and Furans Input Total Dioxins and Furans

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
--	-------	--	--	--	--	--	--	--

Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							

Tin excluding Organotin

Tin excl Organotin	mg/kg							
--------------------	-------	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

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--	--	--	--	--	--	--	--	--

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[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

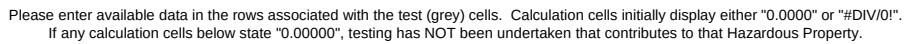
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

**Envirolab reference**

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2,3,7,8-TeCDD
1,2,3,7,8-PeCDD
1,2,3,4,7,8-HxCDD
1,2,3,6,7,8-HxCDD
1,2,3,7,8,9-HxCDD
1,2,3,4,6,7,8-HpCDD
OCDD
2,3,7,8-TeCDF
1,2,3,7,8-PeCDF
2,3,4,7,8-PeCDF
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDF
2,3,4,6,7,8-HxCDF
1,2,3,7,8,9-HxCDF
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
OCDF
Total Dioxins and Furans

Adrin
 α Hexachlorocyclohexane (alpha-HCH) *(leave empty if total HCH results used)*
 β Hexachlorocyclohexane (beta-HCH) *(leave empty if total HCH results used)*
 α-Cis-Chlordane (alpha) **OR**
Total Chlordane
 δ Hexachlorocyclohexane (delta-HCH) *(leave empty if total HCH results used)*
 Dieldrin
 Endrin
 γ Hexachlorocyclohexane (gamma-HCH) (lindane) **OR**
Total γ-HCH
 Heptachlor
 Hexachlorobenzene
 o,p'-DDT *(leave empty if total DDT results used)*
 o,p'-DDT **OR** Total DDT
 γ Trans-Chlordane (gamma) *(leave empty if total Chlordane results used)*

Chlordecone (kepone)
 Pentachlorobenzene
 Mirex
 Toxaphene (campehechlor)

[illegible]

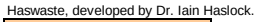
Tin (leave empty if Organotin and Tin excl Organotin results used)

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Dibutyltin; DiBT
Tributyltin; TriBT
Triphenyltin; TriPT
Tetrabutyltin; TeBT

Tin excl Organotin

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

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If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

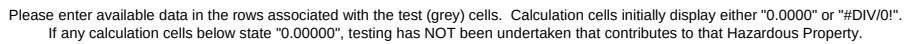
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

**Envirolab reference**

--	--	--	--	--	--	--	--	--

[illegible]

[illegible][illegible]

mg/kg

--	--	--	--	--	--	--	--	--

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
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Ecotoxic HP14 amended v6	≥25%	<0.1%
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--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

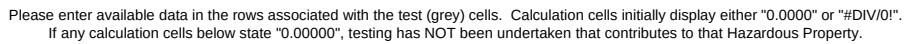
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

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2,3,7,8-TeCDD
1,2,3,7,8-PeCDD
1,2,3,4,7,8-HxCDD
1,2,3,6,7,8-HxCDD
1,2,3,7,8,9-HxCDD
1,2,3,4,6,7,8-HpCDD
OCDD
2,3,7,8-TeCDF
1,2,3,7,8-PeCDF
2,3,4,7,8-PeCDF
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDF
2,3,4,6,7,8-HxCDF
1,2,3,7,8,9-HxCDF
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
OCDF
Total Dioxins and Furans

Aldrin
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)
α Cis-Chlordane (alpha) OR Total Chlordane
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)
Dieldrin
Endrin
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH
Heptachlor
Hexachlorobenzene
o,p'-DDT (leave empty if total DDT results used)
p,p'-DDT OR Total DDT
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)
Chlordecone (kepone)
Pentachlorobenzene
Mirex
Toxaphene (campechlor)

[illegible]

Tin (leave empty if Organotin and Tin excl Organotin results used)

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Dibutyltin; DiBT
Tributyltin; TriBT
Triphenyltin; TriPT
Tetrabutyltin; TeBT

Tin excl Organotin

--	--	--	--	--	--	--	--	--



Depth (m)	Envirolab reference
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Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
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--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

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[illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury
TP/WS/BH
Depth (m)
Envirolab reference

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**POPs Dioxins and Furans Input Total Dioxins and Furans
OR individual Dioxin and Furan results.**

2,3,7,8-TeCDD
1,2,3,7,8-PeCDD
1,2,3,4,7,8-HxCDD
1,2,3,6,7,8-HxCDD
1,2,3,7,8,9-HxCDD
1,2,3,4,6,7,8-HpCDD
OCDD
2,3,7,8-TeCDF
1,2,3,7,8-PeCDF
2,3,4,7,8-PeCDF
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDF
2,3,4,6,7,8-HxCDF
1,2,3,7,8,9-HxCDF
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
OCDF
Total Dioxins and Furans

[illegible]

Some Pesticides (POPs unless otherwise stated)

Adrin
 α Hexachlorocyclohexane (alpha-HCH) *(leave empty if total HCH results used)*
 β Hexachlorocyclohexane (beta-HCH) *(leave empty if total HCH results used)*
 α-Cis-Chlordane (alpha) **OR**
Total Chlordane
 δ Hexachlorocyclohexane (delta-HCH) *(leave empty if total HCH results used)*
 Dieldrin
 Endrin
 γ Hexachlorocyclohexane (gamma-HCH) (lindane) **OR**
Total γ-HCH
 Heptachlor
 Hexachlorobenzene
 o,p'-DDT *(leave empty if total DDT results used)*
 o,p'-DDT **OR** Total DDT
 γ Trans-Chlordane (gamma) *(leave empty if total Chlordane results used)*

Chlordecone (kepone)
 Pentachlorobenzene
 Mirex
 Toxaphene (campehechlor)

[illegible]

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)

mg/kg								
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Organotin

Dibutyltin; DiBT
Tributyltin; TriBT
Triphenyltin; TriPT
Tetrabutyltin; TeBT

mg/kg								
mg/kg								
mg/kg								
mg/kg								

Tin excluding Organotin

Tin excl Organotin

mg/kg									
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TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

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If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

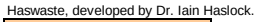
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

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[illegible][illegible]



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

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mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

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Fluorene

mg/kg

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mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

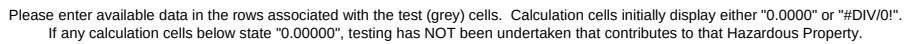
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

**Envirolab reference**

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[illegible]

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[illegible][illegible]

mg/kg

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mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

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--	--	--	--	--	--	--	--	--

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[illegible][illegible]



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

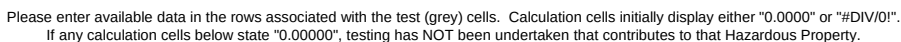
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

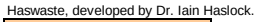
[illegible]

Some Pesticides (POPs unless otherwise stated)

[illegible]

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg									
Organotin										
Dibutyltin; DBT	mg/kg									
Tributyltin; TriBT	mg/kg									
Triphenyltin; TriPT	mg/kg									
Tetrabutyltin; TeBT	mg/kg									
Tin excluding Organotin										
Tin excl Organotin	mg/kg									



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

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--	--	--	--	--	--	--	--	--

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[illegible][illegible]



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

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Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

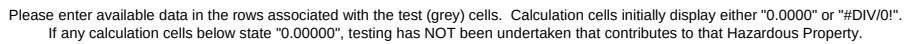
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

--	--	--	--	--	--	--	--	--

[illegible]

[illegible][illegible]

mg/kg

--	--	--	--	--	--	--	--	--

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

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[illegible]

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[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Depth (m)	Envirolab reference
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Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

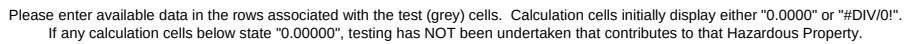
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

--	--	--	--	--	--	--	--	--

2,3,7,8-TeCDD
1,2,3,7,8-PeCDD
1,2,3,4,7,8-HxCDD
1,2,3,6,7,8-HxCDD
1,2,3,7,8,9-HxCDD
1,2,3,4,6,7,8-HpCDD
OCDD
2,3,7,8-TeCDF
1,2,3,7,8-PeCDF
2,3,4,7,8-PeCDF
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDF
2,3,4,6,7,8-HxCDF
1,2,3,7,8,9-HxCDF
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
OCDF
Total Dioxins and Furans

Adrin
 α Hexachlorocyclohexane (alpha-HCH) *(leave empty if total HCH results used)*
 β Hexachlorocyclohexane (beta-HCH) *(leave empty if total HCH results used)*
 α-Cis-Chlordane (alpha) **OR**
Total Chlordane
 δ Hexachlorocyclohexane (delta-HCH) *(leave empty if total HCH results used)*
 Dieldrin
 Endrin
 γ Hexachlorocyclohexane (gamma-HCH) (lindane) **OR**
Total γ-HCH
 Heptachlor
 Hexachlorobenzene
 o,p'-DDT *(leave empty if total DDT results used)*
 o,p'-DDT **OR** Total DDT
 γ Trans-Chlordane (gamma) *(leave empty if total Chlordane results used)*

Chlordecone (kepone)
 Pentachlorobenzene
 Mirex
 Toxaphene (campehechlor)

[illegible]

Tin (leave empty if Organotin and Tin excl Organotin results used)

--	--	--	--	--	--	--	--	--

Dibutyltin; DiBT
Tributyltin; TriBT
Triphenyltin; TriPT
Tetrabutyltin; TeBT

Tin excl Organotin

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

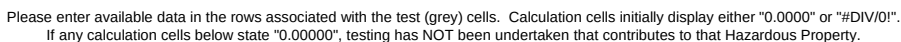
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg
1,2,3,7,8-PeCDD	mg/kg
1,2,3,4,7,8-HxCDD	mg/kg
1,2,3,6,7,8-HxCDD	mg/kg
1,2,3,7,8,9-HxCDD	mg/kg
1,2,3,4,6,7,8-HpCDD	mg/kg
OCDD	mg/kg
2,3,7,8-TeCDF	mg/kg
1,2,3,7,8-PeCDF	mg/kg
2,3,4,7,8-PeCDF	mg/kg
1,2,3,4,7,8-HxCDF	mg/kg
1,2,3,6,7,8-HxCDF	mg/kg
2,3,4,6,7,8-HxCDF	mg/kg
1,2,3,7,8,9-HxCDF	mg/kg
1,2,3,4,6,7,8-HpCDF	mg/kg
1,2,3,4,7,8,9-HpCDF	mg/kg
QCDF	mg/kg
Total Dioxins and Furans	mg/kg

Some Pesticides (POPs unless otherwise stated)

[illegible]

Tin

[illegible]

Organotin

Dibutyltin; DiBT	mg/kg								
Tributyltin; TriBT	mg/kg								
Triphenyltin; TriPT	mg/kg								
Tetrabutyltin; TeBT	mg/kg								

Tin excluding Organotin

Tin excl Organotin	mg/kg								
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Depth (m)	Envirolab reference
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Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

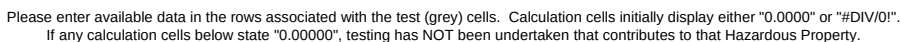
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	Dioxin and Furan Results								
2,3,7,8-TeCDD	mg/kg								
1,2,3,7,8-PeCDD	mg/kg								
1,2,3,4,7,8-HxCDD	mg/kg								
1,2,3,6,7,8-HxCDD	mg/kg								
1,2,3,7,8,9-HxCDD	mg/kg								
1,2,3,4,6,7,8-HpCDD	mg/kg								
OCDD	mg/kg								
2,3,7,8-TeCDF	mg/kg								
1,2,3,7,8-PeCDF	mg/kg								
2,3,4,7,8-PeCDF	mg/kg								
1,2,3,4,7,8-HxCDF	mg/kg								
1,2,3,6,7,8-HxCDF	mg/kg								
2,3,4,6,7,8-HxCDF	mg/kg								
1,2,3,7,8,9-HxCDF	mg/kg								
1,2,3,4,6,7,8-HpCDF	mg/kg								
1,2,3,4,7,8,9-HpCDF	mg/kg								
QCDF	mg/kg								
Total Dioxins and Furans	mg/kg								

Some Pesticides (POPs unless otherwise stated)

[illegible]

Tin

[illegible]

Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							

Tin excluding Organotin

[illegible]



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

POPs Dioxins and Furans Input Total Dioxins and Furans

OR Individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin

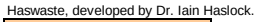
Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
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Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							

Tin excluding Organotin

Tin excl Organotin	mg/kg							
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TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns **red**, the samples should be classified as Hazardous Waste.

[illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T-Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T-Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Digixins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

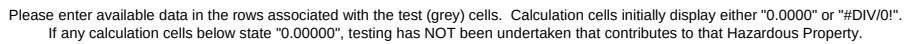
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

mg/kg

mg/kg

mg/kg

• •

malka



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

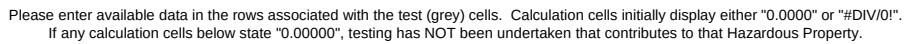
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

mg/kg

mg/kg

mg/kg
mg/kg

mg/kg



Depth (m)	Envirolab reference
-----------	---------------------

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

**POPs Dioxins and Furans Input Total Dioxins and Furans
OR individual Dioxin and Furan results.**

2,3,7,8-TeCDD	mg/kg
1,2,3,7,8-PeCDD	mg/kg
1,2,3,4,7,8-HxCDD	mg/kg
1,2,3,6,7,8-HxCDD	mg/kg
1,2,3,7,8,9-HxCDD	mg/kg
1,2,3,4,6,7,8-HpCDD	mg/kg
OCDD	mg/kg
2,3,7,8-TeCDF	mg/kg
1,2,3,7,8-PeCDF	mg/kg
2,3,4,7,8-PeCDF	mg/kg
1,2,3,4,7,8-HxCDF	mg/kg
1,2,3,6,7,8-HxCDF	mg/kg
2,3,4,6,7,8-HxCDF	mg/kg
1,2,3,7,8,9-HxCDF	mg/kg
1,2,3,4,6,7,8-HpCDF	mg/kg
1,2,3,4,7,8,9-HpCDF	mg/kg
OCDF	mg/kg
Total Dioxins and Furans	mg/kg

[illegible]

Some Pesticides (POPs unless otherwise stated)

Alldrin	mg/kg
α Hexachlorocyclohexane (alpha-HCH) <i>(leave empty if total HCH results used)</i>	mg/kg
β Hexachlorocyclohexane (beta-HCH) <i>(leave empty if total HCH results used)</i>	mg/kg
α Cis-Chlordane (alpha) OR <i>Total Chlordane</i>	mg/kg
δ Hexachlorocyclohexane (delta-HCH) <i>(leave empty if total HCH results used)</i>	mg/kg
Dieldrin	mg/kg
Endrin	mg/kg
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR <i>Total HCH</i>	mg/kg
Heptachlor	mg/kg
Hexachlorobenzene	mg/kg
o,p'-DDT <i>(leave empty if total DDT results used)</i>	mg/kg
p,p'-DDT OR <i>Total DDT</i>	mg/kg
γ Trans-Chlordane (gamma) <i>(leave empty if total Chlordane results used)</i>	mg/kg
Chlordecone (kepone)	mg/kg
Pentachlorobenzene	mg/kg
Mirex	mg/kg
Toxaphene (campechlor)	mg/kg

[illegible]

Tin
Tin (leave empty if Organotin
and Tin excl Organotin results
used)

mg/kg

Organotin

Dibutyltin; DiBT	mg/kg
Tributyltin; TriBT	mg/kg
Triphenyltin; TriPT	mg/kg
Tetrabutyltin; TeBT	mg/kg

mg/kg
mg/kg
mg/kg
mg/kg

Tin excluding Organotin

Tin excl Organotin	mg/kg
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mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
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--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

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[illegible][illegible]



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

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Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

POPs Dioxins and Furans Input Total Dioxins and Furans

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin

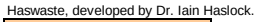
Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
--	-------	--	--	--	--	--	--	--

Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							

Tin excluding Organotin

Tin excl Organotin	mg/kg							
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TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

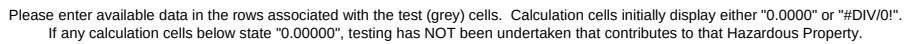
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

mg/kg

mg/kg

mg/kg

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

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--	--	--	--	--	--	--	--	--

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[illegible][illegible]



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TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

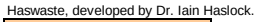
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH
Depth (m)
Envirolab reference

--	--	--	--	--	--	--	--	--

**POPs Dioxins and Furans Input Total Dioxins and Furans
OR individual Dioxin and Furan results.**

2,3,7,8-TeCDD
1,2,3,7,8-PeCDD
1,2,3,4,7,8-HxCDD
1,2,3,6,7,8-HxCDD
1,2,3,7,8,9-HxCDD
1,2,3,4,6,7,8-HpCDD
OCDD
2,3,7,8-TeCDF
1,2,3,7,8-PeCDF
2,3,4,7,8-PeCDF
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDF
2,3,4,6,7,8-HxCDF
1,2,3,7,8,9-HxCDF
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
OCDF
Total Dioxins and Furans

--	--	--	--	--	--	--	--	--

Some Pesticides (POPs unless otherwise stated)

Aldrin
 α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)
 β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)
 α Cis-Chlordane (alpha) **OR**
 Total Chlordane
 δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)
 Dieldrin
 Endrin
 γ Hexachlorocyclohexane (gamma-HCH) (lindane) **OR**
 Total HCH
 Heptachlor
 Hexachlorobenzene
 o,p'-DDT (leave empty if total DDT results used)
 p,p'-DDT **OR** Total DDT
 γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)
 Chlordecone (kepone)
 Pentachlorobenzene
 Mirex
 Toxaphene (campechlor)

[illegible]

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)

--	--	--	--	--	--	--	--	--

Organotin

Dibutyltin; DiBT
Tributyltin; TriBT
Triphenyltin; TriPT
Tetrabutyltin; TeBT

Tin excluding Organotin

Tin excl Organotin

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH
Depth (m)
Envirolab reference

--	--	--	--	--	--	--	--	--

**POPs Dioxins and Furans Input Total Dioxins and Furans
OR individual Dioxin and Furan results.**

2,3,7,8-TeCDD
1,2,3,7,8-PeCDD
1,2,3,4,7,8-HxCDD
1,2,3,6,7,8-HxCDD
1,2,3,7,8,9-HxCDD
1,2,3,4,6,7,8-HpCDD
OCDD
2,3,7,8-TeCDF
1,2,3,7,8-PeCDF
2,3,4,7,8-PeCDF
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDF
2,3,4,6,7,8-HxCDF
1,2,3,7,8,9-HxCDF
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
OCDF
Total Dioxins and Furans

--	--	--	--	--	--	--	--	--

Some Pesticides (POPs unless otherwise stated)

Aldrin
 α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)
 β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)
 α Cis-Chlordane (alpha) **OR**
 Total Chlordane
 δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)
 Dieldrin
 Endrin
 γ Hexachlorocyclohexane (gamma-HCH) (lindane) **OR**
 Total HCH
 Heptachlor
 Hexachlorobenzene
 o,p'-DDT (leave empty if total DDT results used)
 p,p'-DDT **OR** Total DDT
 γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)
 Chlordecone (kepone)
 Pentachlorobenzene
 Mirex
 Toxaphene (campechlor)

[illegible]

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)

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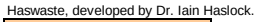
Organotin

Dibutyltin; DiBT
Tributyltin; TriBT
Triphenyltin; TriPT
Tetrabutyltin; TeBT

Tin excluding Organotin

Tin excl Organotin

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns **red**, the samples should be classified as Hazardous Waste.

[illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

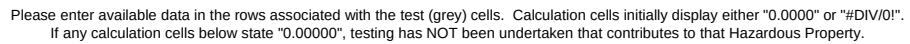
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

mg/kg

mg/kg

mg/kg

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

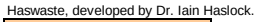
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

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--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

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[illegible][illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

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Fluoranthene

mg/kg

Fluorene

mg/kg

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mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

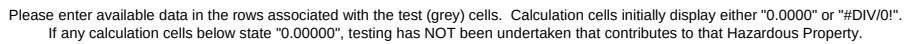
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

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[illegible]

[illegible][illegible]

mg/kg

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mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

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--	--	--	--	--	--	--	--	--

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[illegible][illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

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Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

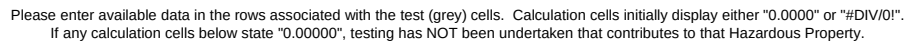
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

**Envirolab reference**

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[illegible]

[illegible][illegible]

mg/kg

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mg/kg

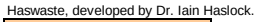
mg/kg

mg/kg

mg/kg

mg/kg

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

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--	--	--	--	--	--	--	--	--

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[illegible][illegible]



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

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Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

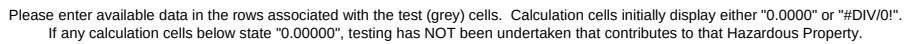
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

--	--	--	--	--	--	--	--	--

mg/kg

--	--	--	--	--	--	--	--	--

[illegible]

mg/kg

--	--	--	--	--	--	--	--	--

mg/kg

mg/kg

--	--	--	--	--	--	--	--	--



Depth (m)	Envirolab reference
-----------	---------------------

Asbestos detected in Soil (enter Y or N)

Y

see "Carc HP7
% Asbestos in
Soil (Fibres)"

%

≥0.1%

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

[illegible]

Table 3 of the CLP, CL Inventory, ATPs, IARC, Concawe, MSDSs, REACH + Pesticide Properties databases. Worst case REACH + MSDS's used for "*" STOT + Acute Toxicity.



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

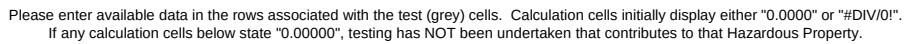
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

**Envirolab reference**

--	--	--	--	--	--	--	--	--

[illegible]

[illegible][illegible]

mg/kg

--	--	--	--	--	--	--	--	--

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

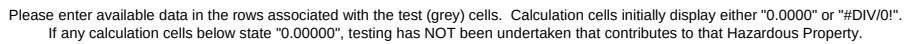
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

mg/kg

mg/kg

mg/kg
mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

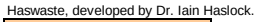
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

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Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

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If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T-Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T-Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

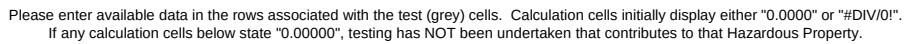
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



Envirolab reference

--	--	--	--	--	--	--	--	--

[illegible]

[illegible][illegible]

mg/kg

--	--	--	--	--	--	--	--	--

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

--	--	--	--	--	--	--	--	--



Depth (m)	Envirolab reference
-----------	---------------------

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

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If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

[illegible][illegible]



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Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

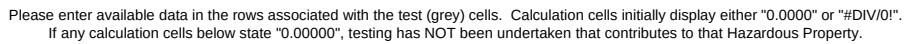
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg

**Envirolab reference**

--	--	--	--	--	--	--	--	--

[illegible]

[illegible][illegible]

mg/kg

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mg/kg

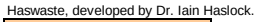
mg/kg

mg/kg

mg/kg

mg/kg

--	--	--	--	--	--	--	--	--



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
---	---

Ecotoxic HP14 amended v6	≥25%	<0.1%
-----------------------------	------	-------

--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--

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[illegible][illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

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Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenz(a,h)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



TP/WS/BH

Depth (m)

Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
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Ecotoxic HP14 amended v6	≥25%	<0.1%
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If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

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Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

If cells below turn yellow and the text turns **red**, the samples should be classified as Hazardous Waste.

[illegible]



Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta



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TPWS/BH

Depth (m)

Envirolab reference

% Moisture

%

pH (soil)

pH (leachate)

Arsenic

mg/kg

Cadmium

mg/kg

Copper

mg/kg

CrVI or Chromium

mg/kg

Lead

mg/kg

Mercury

mg/kg

Nickel

mg/kg

Selenium

mg/kg

Zinc

mg/kg

Barium

mg/kg

Beryllium

mg/kg

Vanadium

mg/kg

Cobalt

mg/kg

Manganese

mg/kg

Molybdenum

mg/kg

Antimony

mg/kg

Aluminium

mg/kg

Bismuth

mg/kg

CrIII

mg/kg

Iron

mg/kg

Strontium

mg/kg

Tellurium

mg/kg

Thallium

mg/kg

Titanium

mg/kg

Tungsten

mg/kg

Ammoniacal N

mg/kg

ws Boron

mg/kg

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

mg/kg

Acenaphthylene

mg/kg

Anthracene

mg/kg

Benzo(a)anthracene

mg/kg

Benzo(a)pyrene

mg/kg

Benzo(b)fluoranthene

mg/kg

Benzo(k)fluoranthene

mg/kg

Chrysene

mg/kg

Dibenzo(ah)anthracene

mg/kg

Fluoranthene

mg/kg

Fluorene

mg/kg

Indeno(123cd)pyrene

mg/kg

Naphthalene

mg/kg

Phenanthrene

mg/kg

Pyrene

mg/kg

Coronene

mg/kg

Total PAHs (16 or 17)

mg/kg

TPH

Petrol

mg/kg

Diesel

mg/kg

Lube Oil

mg/kg

Crude Oil

mg/kg

White Spirit / Kerosene

mg/kg

Creosote

mg/kg

Unknown TPH with ID

mg/kg

Unknown TPHCWG

mg/kg

Total Sulphide

mg/kg

Complex Cyanide

mg/kg

Free (or Total) Cyanide

mg/kg

Thiocyanate

mg/kg

Elemental/Free Sulphur

mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

mg/kg

Cresols

mg/kg

Xylenols

mg/kg

Resorcinol

mg/kg

Phenols Total by HPLC

mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene

mg/kg

Toluene

mg/kg

Ethylbenzene

mg/kg

Xylenes

mg/kg

Total BTEX

mg/kg

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

mg/kg

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB153; 2,2',4,4',5,5'- if only

available)

mg/kg



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TPWS/BH

Depth (m)

Envirolab reference

POPs Dioxins and Furans Input Total Dioxins and Furans

OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg							
1,2,3,7,8-PeCDD	mg/kg							
1,2,3,4,7,8-HxCDD	mg/kg							
1,2,3,6,7,8-HxCDD	mg/kg							
1,2,3,7,8,9-HxCDD	mg/kg							
1,2,3,4,6,7,8-HpCDD	mg/kg							
OCDD	mg/kg							
2,3,7,8-TeCDF	mg/kg							
1,2,3,7,8-PeCDF	mg/kg							
2,3,4,7,8-PeCDF	mg/kg							
1,2,3,4,7,8-HxCDF	mg/kg							
1,2,3,6,7,8-HxCDF	mg/kg							
2,3,4,6,7,8-HxCDF	mg/kg							
1,2,3,7,8,9-HxCDF	mg/kg							
1,2,3,4,6,7,8-HpCDF	mg/kg							
1,2,3,4,7,8,9-HpCDF	mg/kg							
OCDF	mg/kg							
Total Dioxins and Furans	mg/kg							

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg							
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg							
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg							
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg							
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg							
Dieldrin	mg/kg							
Endrin	mg/kg							
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg							
Heptachlor	mg/kg							
Hexachlorobenzene	mg/kg							
o,p-DDT (leave empty if total DDT results used)	mg/kg							
p,p-DDT OR Total DDT	mg/kg							
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg							
Chlordecone (kepone)	mg/kg							
Pentachlorobenzene	mg/kg							
Mirex	mg/kg							
Toxaphene (camphechlor)	mg/kg							

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg							
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Organotin

Dibutyltin; DiBT	mg/kg							
Tributyltin; TriBT	mg/kg							
Triphenyltin; TriPT	mg/kg							
Tetrabutyltin; TeBT	mg/kg							

Tin excluding Organotin

Tin excl Organotin	mg/kg							
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Envirolab reference

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)	Y
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Hazardous Property	Thresholds	Cut Off Value
Corrosive HP8	≥5%	<1%
Irritant HP4	≥10%	<1%
Irritant HP4	≥20%	<1%
Specific Target Organ Toxicity HP5	≥1%	
Specific Target Organ Toxicity HP5	≥20%	
Specific Target Organ Toxicity HP5	≥1%	
Specific Target Organ Toxicity HP5	≥10%	
Aspiration Toxicity HP5	≥10%	
Acute Toxicity HP6	≥0.1%	<0.1%
Acute Toxicity HP6	≥0.25%	<0.1%
Acute Toxicity HP6	≥5%	<0.1%
Acute Toxicity HP6	≥25%	<1%
Acute Toxicity HP6	≥25%	<0.1%
Acute Toxicity HP6	≥2.5%	<0.1%
Acute Toxicity HP6	≥15%	<0.1%
Acute Toxicity HP6	≥55%	<1%
Acute Toxicity HP6	≥0.1%	<0.1%
Acute Toxicity HP6	≥0.5%	<0.1%
Acute Toxicity HP6	≥3.5%	<0.1%
Acute Toxicity HP6	≥22.5%	<1%
Carcinogenic HP7	≥0.1%	
Carcinogenic HP7	≥0.1%	
Carcinogenic HP7	≥1%	
Carcinogenic HP7 Unknown TPH with ID	≥1,000mg/kg	
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%	
pH Corrosive HP8 pH (soil or leachate)	H8 ≥11.5	
pH Corrosive HP8 pH (soil or leachate)	H8 ≤2	
Toxic for Reproduction HP10	≥0.3%	
Toxic for Reproduction HP10	≥3%	
Mutagenic HP11	≥0.1%	
Mutagenic HP11 Unknown TPH with ID	≥1,000mg/kg	
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%	
Mutagenic HP11	≥1%	
Produces Toxic Gases HP12 Sulphide	≥1,400mg/kg	
Produces Toxic Gases HP12 Cyanide	≥1,200mg/kg	
Produces Toxic Gases HP12 Thiocyanate	≥2,600mg/kg	
HP13 Sensitising	≥10%	
Ecotoxic HP14 amended v6	≥25%	<0.1%

[illegible]



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TPWS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Ti, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Crosote, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
Persistent Organic Pollutant (Total Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please conta

HP4, HP6, HP8 or HP14 cut off / individual trace impurity threshold check.

Use this tab to convert dry weight results to wet weight results for the HP4, HP6, HP8 and HP14 individual trace impurity threshold check.

Example

Analyte	Dry weight result (mg/kg)	Moisture (%)	Corrected wet weight result (mg/kg)
Arsenic	250.00	2.00	245.00

[illegible]

Wet Weight (as received) to Dry Weight.

Use this tab to convert wet weight (or as received basis results) to dry weight results.

Example

Analyte	Wet weight result (mg/kg)	Moisture (%)	Corrected dry weight result (mg/kg)
Arsenic	245.00	2.00	250.00

[illegible]