

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: Everyt 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

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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

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Client Project Name: Every Street

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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

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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

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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

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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.

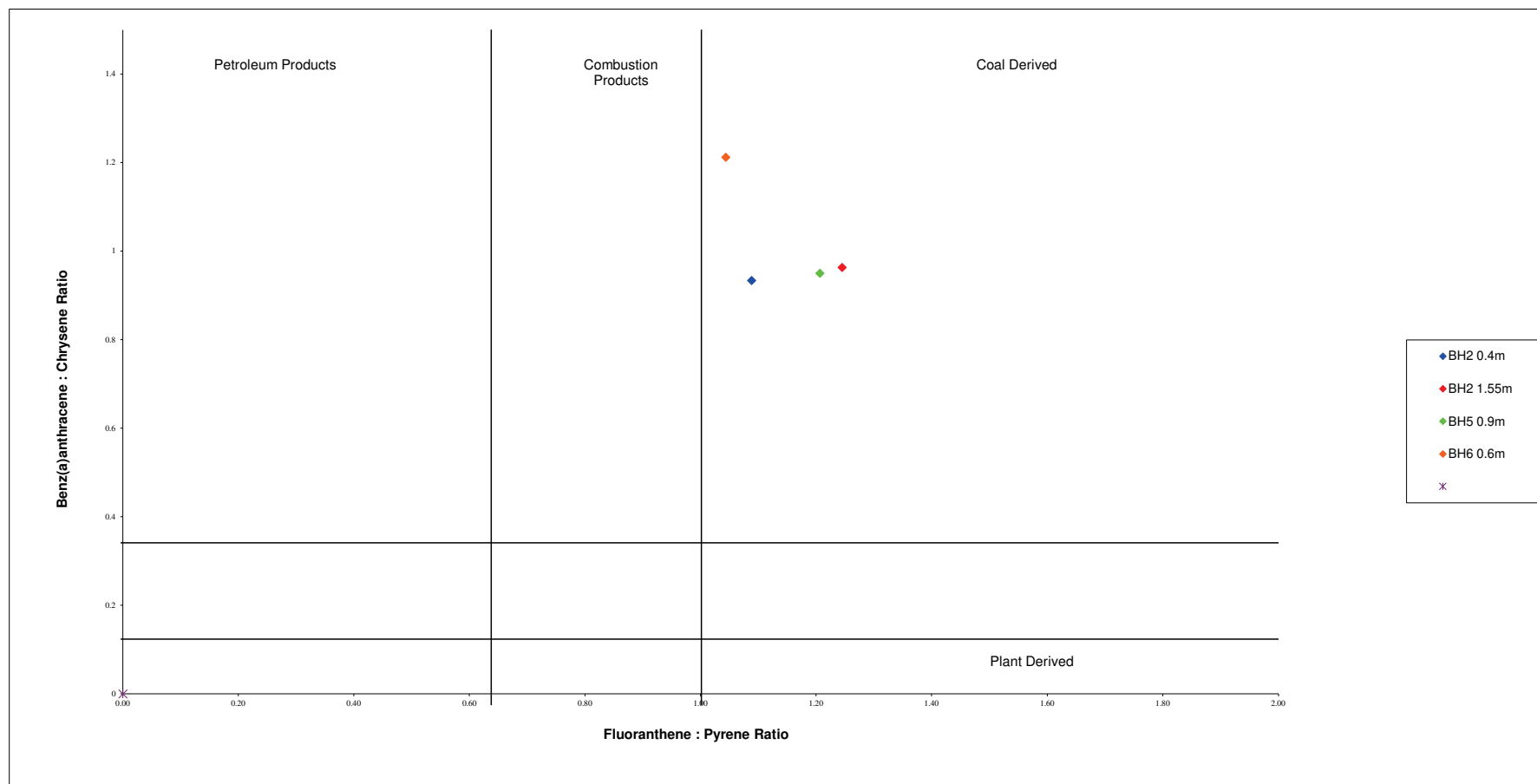
Source Signature Double Ratio Plot

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



Results - Soil

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

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	

Results - Soil

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	

Results - Soil

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

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		

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

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

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

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

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



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

Results - Soil

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		

Results - Soil

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		

Results - Soil

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	

Results - Soil

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

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		

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

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

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

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

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

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

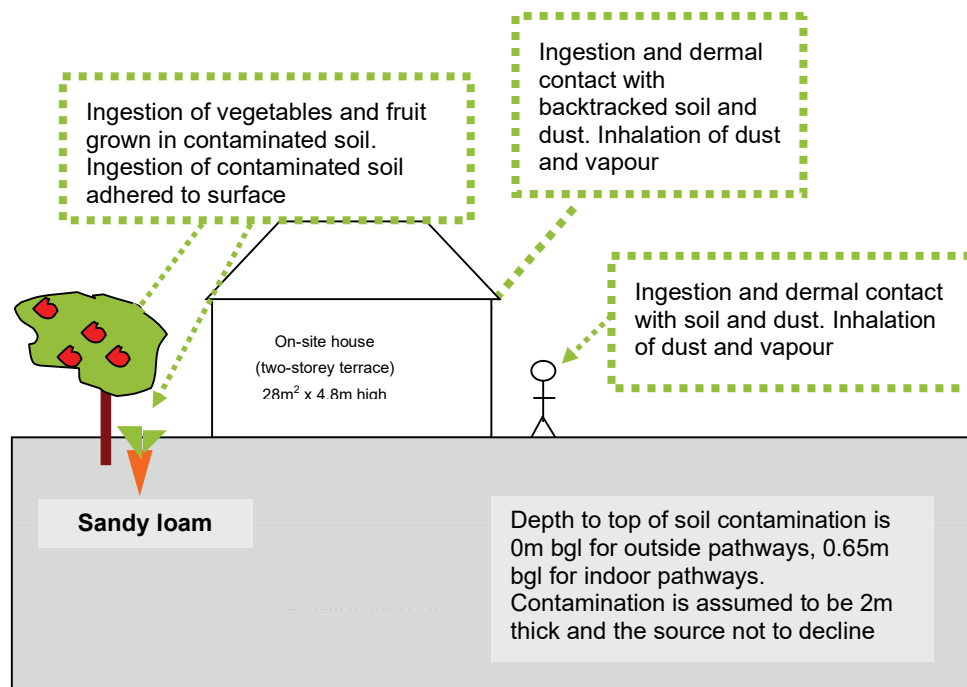


Table 1: Exposure assessment parameters for residential scenario with home-grown produce – inputs for CLEA model

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 >EC8-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-Dichloroethane	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:			
¹: 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

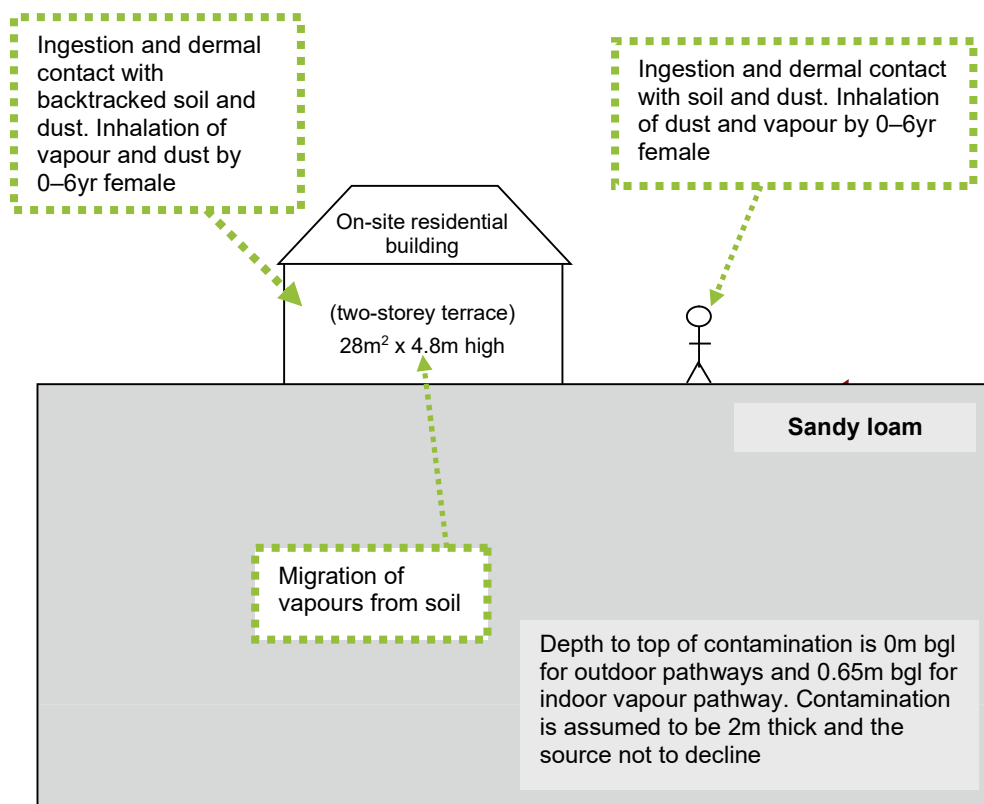


Table 1: Exposure assessment parameters for residential scenario without home-grown produce – inputs for CLEA model

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 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 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
Chrysene		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		Notes		RSK									
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													

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	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											
Metals and Inorganics																			
Arsenic	mg/kg	40		12	5	19	19	0	7	11	8	8	11	7	12	9	10		
Cadmium	mg/kg	149		2	0.7	19	19	0	1.2	1.2	2	0.9	1.1	0.7	1	0.9	0.9		
Chromium	mg/kg	910	21	65	21	19	19	0	27	37	29	23	30	21	31	24	33		
Chromium (hexavalent)	mg/kg	21		<1		19	0	19	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Copper	mg/kg	7100		275	77	19	19	0	168	175	155	95	119	77	86	106	178		
Lead	mg/kg	310		377	77	19	19	0	178	178	285	119	128	77	135	129	131		
Mercury	mg/kg	56	0.2	0.63	<0.17	19	16	3	0.39	0.45	0.37	0.38	0.54	<0.17	0.36	0.37	0.63		
Nickel	mg/kg	180		47	23	19	19	0	47	33	43	23	29	23	30	26	27		
Selenium	mg/kg	430		2	<1	19	1	18	<1	<1	<1	<1	<1	<1	<1	<1	2		
Zinc	mg/kg	40000		684	97	19	19	0	206	195	289	159	201	97	153	137	150		
Asbestos																			
Asbestos in soil		Detect				19	2	17	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		
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	<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		
Ali >C8-C10	mg/kg	27			<0.01	10	0	10	<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	1.4	<0.1					0.2		<0.1		
Ali >C10-C12	mg/kg	130	48			0	0	0											
Ali >C12-C16	mg/kg	1100	24	22.1	<0.1	10	7	3	16.7	<0.1					3.6		<0.1		
Ali >C12-C16	mg/kg	1100	24			0	0	0											
Ali >C16-C21	mg/kg			36	<0.1	10	7	3	36	<0.1					9.9		<0.1		
Ali >C16-C21	mg/kg					0	0	0											
Ali >C21-C35	mg/kg			218	<0.1	10	8	2	126	<0.1					43.1		<0.1		
Ali >C16-C35 calculated	mg/kg	65000	8	231.1	<0.1	10	8	2	162	<0.1					53		<0.1		
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	180	<0.1					56.7		<0.1		
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		
Aro >C7-C8	mg/kg				<0.01	10	0	10	<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		
Aro >C9-C10	mg/kg	47			<0.01	10	0	10	<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	2.5	0.5					1.6		2		
Aro >C10-C12	mg/kg	300				0	0	0											
Aro >C12-C16	mg/kg	1800	169	73.6	1.9	10	10	0	38	1.9					16.2		3		
Aro >C12-C16	mg/kg	1800	169			0	0	0											
Aro >C16-C21	mg/kg	1900		467	5.9	10	10	0	288	13.6					87		5.9		

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

Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects	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	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	13/06/18	
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	
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	

Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-dete	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	
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											

Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects	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					
Aro >C16-C21	mg/kg	1900		988	2	4	4	0		988	2	263	84					
Aro >C21-C35	mg/kg	1900					0	0										
Aro >C21-C35	mg/kg	1900		3780	7	4	4	0		1870	7	551	3780					
Total Aromatics	mg/kg						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										
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										
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)fl	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											

										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 (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	30		62	<1	4	3	1	1		BH06 - 0.6-1.3
Aro >C12-C	mg/kg	140		228	2	4	3	1	1		BH02 - 0.4-1.3
Aro >C16-C	mg/kg	260		988	2	4	4	0	2		BH02 - 0.4-1.3
Aro >C21-C	mg/kg	1100		3780	7	4	4	0	2		BH06 - 0.6-1.3
Polycyclic aromatic hydrocarbons											
Benzo(a)ar	mg/kg	7		183	<0.04	4	3	1	3		BH06 - 0.6-1.3
Benzo(a)py	mg/kg	5		68.5	<0.04	4	3	1	3		BH06 - 0.6-1.3
Benzo(b)flu	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)	mg/kg	0.24		7.82	<0.04	4	3	1	3		BH06 - 0.6-1.3
Indeno(12)	mg/kg	27		31.7	<0.03	4	3	1	1		BH06 - 0.6-1.3
Naphthale	mg/kg	13		17.7	<0.03	4	3	1	1		BH06 - 0.6-1.3
Phenanthr	mg/kg	100		345	<0.03	4	3	1	1		BH06 - 0.6-1.3

[illegible]

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	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	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											
Metals and Inorganics																			
Arsenic	mg/kg	37		12	5	19	19	0		7	11	8	8	11	7	12	9	10	
Cadmium	mg/kg	22		2	0.7	19	19	0		1.2	1.2	2	0.9	1.1	0.7	1	0.9	0.9	
Chromium	mg/kg	910	21	65	21	19	19	0		27	37	29	23	30	21	31	24	33	
Chromium (hexavalent)	mg/kg	21		<1		19	0	19	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Copper	mg/kg	2500		275	77	19	19	0		168	175	155	95	119	77	86	106	178	
Lead	mg/kg	200		377	77	19	19	0		178	178	285	119	128	77	135	129	131	
Mercury	mg/kg	39	0.2	0.63	<0.17	19	16	3		0.39	0.45	0.37	0.38	0.54	<0.17	0.36	0.37	0.63	
Nickel	mg/kg	130		47	23	19	19	0		47	33	43	23	29	23	30	26	27	
Selenium	mg/kg	258		2	<1	19	1	18	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	
Zinc	mg/kg	3900		684	97	19	19	0		206	195	289	159	201	97	153	137	150	
Asbestos																			
Asbestos in soil		Detect				19	2	17	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
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	<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	
Ali >C8-C10	mg/kg	27			<0.01	10	0	10	<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	1.4	<0.1						0.2		<0.1	
Ali >C10-C12	mg/kg	130	48			0	0	0											
Ali >C12-C16	mg/kg	1100	24	22.1	<0.1	10	7	3	16.7	<0.1						3.6		<0.1	
Ali >C12-C16	mg/kg	1100	24			0	0	0											
Ali >C16-C21	mg/kg			36	<0.1	10	7	3	36	<0.1						9.9		<0.1	
Ali >C16-C21	mg/kg					0	0	0											
Ali >C21-C35	mg/kg			218	<0.1	10	8	2	126	<0.1						43.1		<0.1	
Ali >C16-C35 calculated	mg/kg	65000	8	231.1	<0.1	10	8	2	162	<0.1						53		<0.1	
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	180	<0.1						56.7		<0.1	
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	
Aro >C7-C8	mg/kg				<0.01	10	0	10	<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	
Aro >C9-C10	mg/kg	30			<0.01	10	0	10	<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	2.5	0.5						1.6		2	
Aro >C10-C12	mg/kg	80				0	0	0											
Aro >C12-C16	mg/kg	140		73.6	1.9	10	10	0	38	1.9						16.2		3	
Aro >C12-C16	mg/kg	140				0	0	0											
Aro >C16-C21	mg/kg	260		467	5.9	10	10	0	288	13.6						87		5.9	

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	

Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects	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									
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									
Fuel oxygenates									Possible PAHs + mixture of c										Possible PAHs + mixture of c									
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										

Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-dete	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	
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 unknow										
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



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/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.

	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
% Moisture	%								
pH (soil)	7.32	7.95	7.88	7.35	6.95	8.02	7.27	6.8	7.55
pH (leachate)									
Arsenic	mg/kg	8	11	8	8	11	5	10	10
Cadmium	mg/kg	1.2	1.6	1.6	1.4	1.9	1.1	0.9	1.5
Copper	mg/kg	136	147	104	109	209	114	149	132
CrVI or Chromium	mg/kg	33	33	35	31	37	65	28	35
Lead	mg/kg	222	311	362	251	377	375	175	351
Mercury	mg/kg	<0.17	0.45	0.34	0.37	0.38	0.25	0.17	0.54
Nickel	mg/kg	33	43	40	38	45	45	36	39
Selenium	mg/kg	<1	<1	<1	<1	<1	1	1	1
Zinc	mg/kg	248	349	684	215	369	320	178	254
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	0.89	1.79	0.42	5.11	0.58	0.33	0.56	1.16
Acenaphthylene	mg/kg	0.08	0.14	0.16	0.16	0.1	0.22	0.1	0.05
Anthracene	mg/kg	1.41	3.24	1.2	6.14	0.71	3.66	0.78	0.55
Benzo(a)anthracene	mg/kg	4.79	10.7	4.89	13.1	1.67	4.68	2.16	1.24
Benzo(a)pyrene	mg/kg	4.11	6.8	3.33	11.4	1.33	3.51	2.04	0.93
Benzo(b)fluoranthene	mg/kg	4.51	7.29	3.53	14.3	1.49	3.49	2.64	1.08
Benzo(ghi)perylene	mg/kg	2.22	3.4	1.83	6.2	0.79	1.89	1.3	0.5
Benzo(k)fluoranthene	mg/kg	1.63	2.82	1.27	5.78	0.47	1.22	1.35	0.35
Chrysene	mg/kg	4.63	9.26	4.11	17.2	1.66	4.24	2.74	1.26
Dibenz(a,h)anthracene	mg/kg	0.47	0.91	0.46	1.76	0.16	0.4	0.4	0.11
Fluoranthene	mg/kg	11.9	23.6	9.77	34.4	3.34	8.48	5.39	2.83
Fluorene	mg/kg	0.63	1.32	0.33	3.47	0.38	0.21	0.3	0.28
Indeno(123cd)pyrene	mg/kg	2.76	4.65	2.43	7.21	1.03	2.54	1.36	0.59
Naphthalene	mg/kg	0.19	0.45	0.11	0.59	1.96	0.11	0.3	0.1
Phenanthrene	mg/kg	6.15	13.1	4.51	29.7	2.83	3.18	3.23	2.4
Pyrene	mg/kg	10.6	20.2	8.54	28.9	3.11	7.36	4.95	2.5
Coronene	mg/kg								16
Total PAHs (16 or 17)	mg/kg	57	110	46.9	185	21.6	45.5	28.8	15.1
									87.7
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	238	458	572	387	1360			
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 (eg EC7/WHO12)	mg/kg								
PBBs (POPs)									
Hexabromobiphenyl (Total or PBB 153; 2,2',4,4',5,5'- if only available)	mg/kg								



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

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								
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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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	If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.						
Corrosive HP8	≥9%	<1%	0.00739	0.00779	0.00778	0.00701	0.00856	0.01314	0.00804
Irritant HP4	≥10%	<1%	0.01642	0.01806	0.01281	0.01337	0.02507	0.01354	0.01624
Irritant HP4	≥20%	<1%	0.02965	0.04014	0.02601	0.04549	0.03560	0.02800	0.03453
Specific Target Organ Toxicity HP5	≥1%		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Specific Target Organ Toxicity HP5	≥20%		0.00570	0.01100	0.00469	0.01850	0.00216	0.00455	0.00877
Specific Target Organ Toxicity HP5	≥1%		0.00667	0.00869	0.00808	0.00768	0.00909	0.01248	0.00788
Specific Target Organ Toxicity HP5	≥10%		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.03870	0.03510
Aspiration Toxicity HP5	≥10%		0.02380	0.04580	0.00000	0.05720	0.00000	0.03870	0.00000
Acute Toxicity HP6	≥0.1%	<0.1%	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Acute Toxicity HP6	≥0.25%	<0.1%	#VALUE!	0.00150	0.00109	0.00109	0.00149	0.00069	0.00124
Acute Toxicity HP6	≥5%	<0.1%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.01262	0.00897
Acute Toxicity HP6	≥25%	<1%	0.05189	0.07129	0.06234	0.07022	0.07358	0.06541	0.06964
Acute Toxicity HP6	≥0.25%	<0.1%	#VALUE!	0.00005	0.00003	0.00004	0.00004	0.00002	0.00005
Acute Toxicity HP6	≥2.5%	<0.1%	0.00634	0.00634	0.00672	0.00595	0.00710	0.00538	0.00672
Acute Toxicity HP6	≥15%	<0.1%	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Acute Toxicity HP6	≥55%	<1%	0.00012	0.00016	0.00016	0.00014	0.00019	0.00011	0.00009
Acute Toxicity HP6	≥0.1%	<0.1%	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Acute Toxicity HP6	≥0.5%	<0.1%	#VALUE!	0.00654	0.00691	0.00613	0.00733	0.01270	0.00550
Acute Toxicity HP6	≥3.5%	<0.1%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.00014	0.00014
Acute Toxicity HP6	≥22.5%	<1%	0.04423	0.05640	0.05603	0.04509	0.07041	0.05947	0.04161
Carcinogenic HP7	≥0.1%		0.02380	0.04580	0.03620	0.05720	0.03770	0.03870	0.03510
Carcinogenic HP7	≥1%		0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
Carcinogenic HP7	≥1%		0.00570	0.01100	0.00469	0.01850	0.00216	0.00455	0.00877
Carcinogenic HP7 Unknown TPH with ID	≥1,000mg/kg		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
pH Corrosive HP8 pH (soil or leachate)	H8 ≥11.5		7.32	7.95	7.88	7.35	6.95	8.02	7.55
pH Corrosive HP8 pH (soil or leachate)	H8 ≤2		7.32	7.95	7.88	7.35	6.95	8.02	7.55
Toxic for Reproduction HP10	≥0.3%		0.02220	0.03110	0.03620	0.02510	0.03770	0.03750	0.01330
Toxic for Reproduction HP10	≥3%		0.02380	0.04580	0.00672	0.05720	0.00710	0.03870	0.00538
Mutagenic HP11	≥0.1%		0.02380	0.04580	0.00672	0.05720	0.00710	0.03870	0.00538
Mutagenic HP11 Unknown TPH with ID	≥1,000mg/kg		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Mutagenic HP11	≥1%		0.00667	0.01100	0.00808	0.01850	0.00909	0.00909	0.00727
Produces Toxic Gases HP12 Sulphide	≥1,400mg/kg		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Produces Toxic Gases HP12 Cyanide	≥1,200mg/kg		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Produces Toxic Gases HP12 Thiocyanate	≥2,600mg/kg		0.0	0.0	0.0	0.0	0.0	0.0	0.0
HP13 Sensitising	≥10%		0.00667	0.01100	0.00808	0.01850	0.00909	0.01248	0.00727
Ecotoxic HP14 amended v6	≥25%	<0.1%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.12179	0.07652
								0.06908	0.11517



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Haswaste, developed by Dr. Iain Haslock.

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Depth (m)

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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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.00000000	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 contact Envirolab.



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

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

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

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.

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.								

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	If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.							
Corrosive HP8	≥5%	<1%	0.00888	0.00611	0.00856	0.00662	0.00547	0.00721	0.00496	0.00754	0.00580
Irritant HP4	≥10%	<1%	0.03266	0.01991	0.02123	0.01857	0.01179	0.01490	0.00963	0.01130	0.01317
Irritant HP4	≥20%	<1%	0.04412	0.05129	0.02935	0.03589	0.03069	0.04999	0.02044	0.03493	0.04794
Specific Target Organ Toxicity HP5	≥1%		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Specific Target Organ Toxicity HP5	≥20%		0.00537	0.01720	0.00228	0.00714	0.01110	0.02270	0.00522	0.01380	0.02230
Specific Target Organ Toxicity HP5	≥1%		0.00730	0.00949	0.00710	0.00869	0.00465	0.00586	0.00465	0.00606	0.00525
Specific Target Organ Toxicity HP5	≥10%		0.02570	0.10200	0.01780	0.02850	0.01190	0.01280	0.00770	0.03100	0.01290
Aspiration Toxicity HP5	≥10%		0.01490	0.10200	0.00501	0.00000	0.00000	0.00000	0.00000	0.03100	0.00000
Acute Toxicity HP6	≥0.1%	<0.1%	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Acute Toxicity HP6	≥0.25%	<0.1%	0.00162	0.00096	0.00150	0.00109	0.00109	0.00151	0.00094	0.00162	0.00123
Acute Toxicity HP6	≥5%	<0.1%	0.00744	0.00533	0.00725	0.00571	0.00456	0.00590	0.00417	0.00609	0.00475
Acute Toxicity HP6	≥25%	<1%	0.06972	0.06886	0.04723	0.06437	0.04227	0.06246	0.02811	0.04816	0.05994
Acute Toxicity HP6	≥0.25%	<0.1%	0.00004	0.00004	0.00005	0.00004	0.00004	0.00005	0.00002	0.00004	0.00004
Acute Toxicity HP6	≥2.5%	<0.1%	0.00730	0.00518	0.00710	0.00557	0.00442	0.00576	0.00403	0.00595	0.00461
Acute Toxicity HP6	≥15%	<0.1%	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Acute Toxicity HP6	≥55%	<1%	0.00011	0.00012	0.00012	0.00020	0.00009	0.00011	0.00007	0.00010	0.00009
Acute Toxicity HP6	≥0.1%	<0.1%	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Acute Toxicity HP6	≥0.5%	<0.1%	0.00744	0.00534	0.00727	0.00581	0.00454	0.00592	0.00412	0.00609	0.00474
Acute Toxicity HP6	≥3.5%	<0.1%	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014
Acute Toxicity HP6	≥22.5%	<1%	0.06223	0.04628	0.04424	0.05470	0.02728	0.03211	0.02105	0.02928	0.03013
Carcinogenic HP7	≥0.1%		0.02570	0.10200	0.01780	0.02850	0.01190	0.02270	0.00770	0.03100	0.02230
Carcinogenic HP7	≥0.1%		0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
Carcinogenic HP7	≥1%		0.00537	0.01720	0.00228	0.00714	0.01110	0.02270	0.00522	0.01380	0.02230
Carcinogenic HP7 Unknown TPH with ID	≥1,000mg/kg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
pH Corrosive HP8 pH (soil or leachate)	H8 ≥11.5		6.80	7.07	6.62	7.43	7.06	6.94	7.00	6.82	7.11
pH Corrosive HP8 pH (soil or leachate)	H8 ≤2		6.80	7.07	6.62	7.43	7.06	6.94	7.00	6.82	7.11
Toxic for Reproduction HP10	≥0.3%		0.02570	0.01780	0.01780	0.02850	0.01190	0.02270	0.00770	0.01380	0.02230
Toxic for Reproduction HP10	≥3%		0.01490	0.10200	0.00710	0.00557	0.00442	0.00576	0.00403	0.03100	0.00461
Mutagenic HP11	≥0.1%		0.01490	0.10200	0.00710	0.00714	0.01110	0.02270	0.00522	0.03100	0.02230
Mutagenic HP11 Unknown TPH with ID	≥1,000mg/kg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	≥0.01%		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Mutagenic HP11	≥1%		0.00545	0.01720	0.00667	0.00869	0.01110	0.02270	0.00522	0.01380	0.02230
Produces Toxic Gases HP12 Sulphide	≥1,400mg/kg		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Produces Toxic Gases HP12 Cyanide	≥1,200mg/kg		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Produces Toxic Gases HP12 Thiocyanate	≥2,600mg/kg		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HP13 Sensitising	≥10%		0.00730	0.01720	0.00710	0.00869	0.01110	0.02270	0.00522	0.01380	0.02230
Ecotoxic HP14 amended v6	≥25%	<0.1%	0.11196	0.11212	0.08189	0.11179	0.07465	0.10922	0.04858	0.08329	0.09704



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

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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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.000000000	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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



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		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
% Moisture	%									
pH (soil)		6.64	8.69	7.61	7.97	8.08	6.1	7.31	7.98	
pH (leachate)										
Arsenic	mg/kg	10	1	12	1	5	22	194	8	
Cadmium	mg/kg	0.9	0.5	0.8	0.5	0.6	2	5.9	1.3	
Copper	mg/kg	178	15	64	15	71	130	1440	44	
CrVI or Chromium	mg/kg	33	21	14	14	20	30	56	24	
Lead	mg/kg	131	8	74	14	105	267	2110	66	
Mercury	mg/kg	0.63	0.17	0.18	0.17	0.54	0.76	0.17	0.17	
Nickel	mg/kg	27	25	26	15	20	38	137	26	
Selenium	mg/kg	2	<1	1	<1	2	1	1	1	
Zinc	mg/kg	150	46	73	44	98	330	1100	93	
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	0.26	70.6	0.01	6.77	2.96	14.8	0.08	7.24	
Acenaphthylene	mg/kg	0.06	0.47	0.01	0.18	0.11	0.16	0.01	0.1	
Anthracene	mg/kg	0.37	104	0.02	10.7	3.5	19.7	0.1	7.42	
Benzo(a)anthracene	mg/kg	1.24	117	0.04	25.9	6.87	59	0.26	11.4	
Benzo(a)pyrene	mg/kg	1.11	74	0.04	23.9	5.97	41.5	0.29	9.96	
Benzo(b)fluoranthene	mg/kg	1.41	95	0.05	28.1	6.18	48.2	0.34	10.9	
Benzo(ghi)perylene	mg/kg	0.56	30.5	0.05	11.7	2.83	19.8	0.1	3.98	
Benzo(k)fluoranthene	mg/kg	0.46	42.7	0.07	10.1	2.04	18.9	0.13	4.15	
Chrysene	mg/kg	1.33	147	0.06	30.9	6.6	63.2	0.27	12	
Dibenz(a,h)anthracene	mg/kg	0.13	6.63	0.04	2.52	0.63	5.29	0.04	0.99	
Fluoranthene	mg/kg	2.75	383	0.08	83.2	19.2	101	0.61	29.2	
Fluorene	mg/kg	0.16	54.4	0.01	5.34	2.18	9.79	0.05	6.13	
Indeno(123cd)pyrene	mg/kg	0.69	34.5	0.03	12.7	3.28	23.3	0.14	4.7	
Naphthalene	mg/kg	0.06	25.8	0.03	2.22	0.71	4.71	<0.03	6.43	
Phenanthrene	mg/kg	1.68	396	0.05	54	17	77	0.48	31.6	
Pyrene	mg/kg	2.49	324	0.07	78.2	16.5	92.8	0.49	24.2	
Coronene	mg/kg									
Total PAHs (16 or 17)	mg/kg	14.8	1910	0.08	386	96.6	599	3.34	170	
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	19.6	7840	21	1260	354	3140	36	977	
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 (eg EC7/WHO12)	mg/kg									
PBBs (POPs)										
Hexabromobiphenyl (Total or PBB 153; 2,2',4,4',5,5'- if only available)	mg/kg									



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

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TP/WS/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

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

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.								

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	≥9%	<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	≥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.								
0.00766	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	0.18084	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	0.00006	0.00000	0.00020	0.00059	0.00013
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
0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
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

Ecotoxic HP14 amended v6	≥25%	<0.1%	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

TP/WS/BH

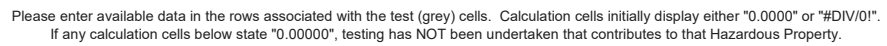
Depth (m)

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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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

TP/WS/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

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[illegible]

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
Cr(VI) 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								

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(ghi)perylene	mg/kg	0.21	0.05	24.1	0.05				
Benzo(k)fluoranthene	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								

Phenol	mg/kg								
Cresols	mg/kg								
Xylenols	mg/kg								
Resourcinol	mg/kg								
Phenols Total by HPLC	mg/kg								

Benzene	mg/kg							
Toluene	mg/kg							
Ethylbenzene	mg/kg							
Xylenes	mg/kg							
Total BTEX	mg/kg							

[illegible]

PBBs (POP)s	mg/kg					
	Hexabromobiphenyl (Total or PBB153; 2,2',4,4',5,5'- if only available)					



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/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.

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								
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								



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

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

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

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	≥9%	<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	≥5%	<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%

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
0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
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



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

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, TL Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.0000000000	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



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

CrIII

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(ah)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

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mg/kg

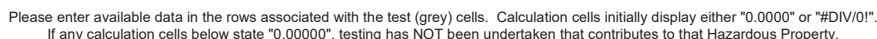
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street. Bury

TP/WS/BH

Depth (m)

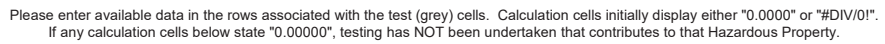
Envirolab reference

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

Dioxin and Furan results									
2,3,7,8-TCDD	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 Furan	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 (campechlor)	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								



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

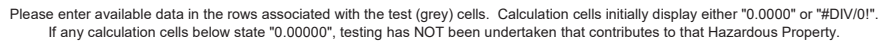
Depth (m)

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.

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Every Street, Bury

TP/WS/BH
Depth (m)
Envirolab reference

%

[illegible][illegible][illegible]mg/k
mg/k
mg/k

mg/kg

mg/kg

mg/kg

mg/k

mg/k

mg/kg
mg/kg

mg/k

mg/k
mg/l

Phen

PHOT

mg/k

mg/l

mg/k
mg/k

mg/kg

ts.

mg/kg
mg/kg

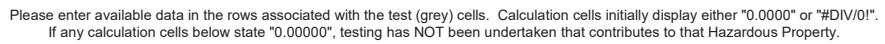
mg/kg

mg/kg
mg/kg

mg/kg

ing

mg/k



Every Street, Bury

Depth (m)

Envirolab reference

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]

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)

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg
mg/kg

mg/kg

mg/kg
mg/kg

mg/kg

mg/kg

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

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

mg/kg

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

mg/kg

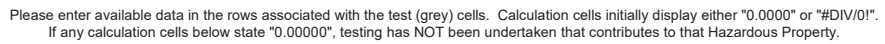
mg/kg

mg/kg

mg/kg

Tin excl Organotin	
--------------------	--

mg/kg



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

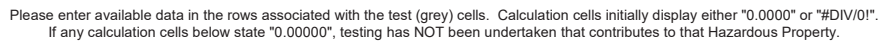
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



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

Every Street, Bury									
TP/WS/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(ghi)perylene	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								
Thioc									



Every Street, Bury

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								

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)

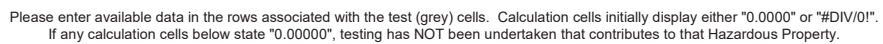
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

Depth (m)

Envirolab reference

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

[illegible]

				Y				
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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.

[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

TP/WS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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.

Every Street, Bury

TP/WS/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(ghi)perylene

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

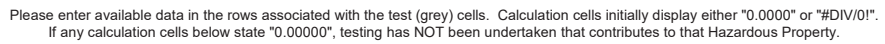
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

mg/kg



Every Street, Bury

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								

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)

[illegible]

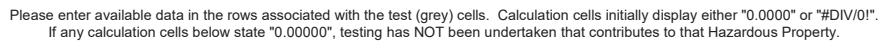
Tin
Tin (leave empty if Organotin and Tin excl Organotin results used)

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

Tin excluding Organotin

Tin excl Organotin

Page 29 of 30



Every Street, Bury

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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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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][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

TP/WS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

CrIII

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(ah)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

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.

%

mg/kg

mg/kg

mg/kg

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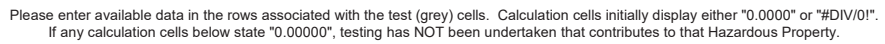
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street, Bury

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								

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)

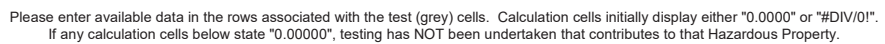
Aldrin		mg/kg								
α Hexachlorocyclohexane (alpha-HCH) (<i>leave empty if total HCH results used</i>)		mg/kg								
β Hexachlorocyclohexane (beta-HCH) (<i>leave empty if total HCH results used</i>)		mg/kg								
α Cis-Chlordane (alpha) OR Total Chlordane		mg/kg								
δ Hexachlorocyclohexane (delta-HCH) (<i>leave empty if total HCH results used</i>)		mg/kg								
Dieldrin		mg/kg								
Endrin		mg/kg								
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH		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 Total DDT		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 (camphechlor)		mg/kg								

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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

[illegible][illegible]

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][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

TP/WS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Tl, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, Tl, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic
Cadmium
Copper
CrVI or Chromium
Lead
Mercury
Nickel
Selenium
Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or
PBB 153; 2,2',4,4',5,5'- if only
available)

%

mg/kg

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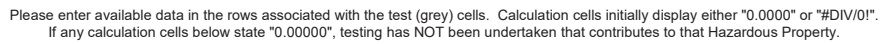
mg/kg

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mg/kg



Every Street, Bury

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								

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)

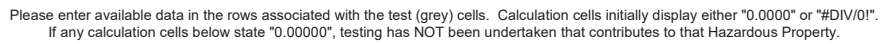
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

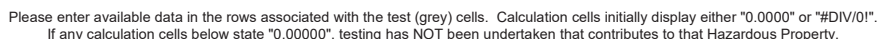
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



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

Every Street, Bury									
TP/WS/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(ghi)perylene	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								
Thioc									



Every Street. Bury

TP/WS/BH

Depth (m)

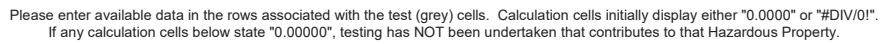
Envirolab reference

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

2,3,7,8-TCDD	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)

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 (campechlor)	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								



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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									
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.000000000	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
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(ah)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

mg/kg

mg/kg

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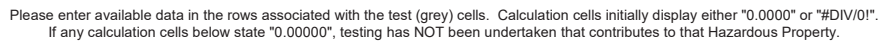
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street, Bury

Depth (m)

Envirolab reference

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]

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)

[illegible]

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

mg/kg

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

mg/kg

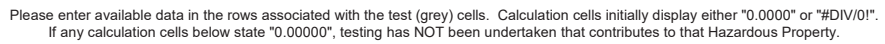
mg/kg

mg/kg

mg/kg

Tin excl Organotin	
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mg/kg



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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									
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.000000000	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
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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Every Street, Bury

TP/WS/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(ghi)perylene

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

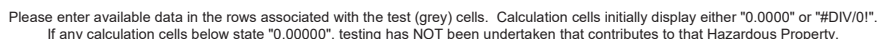
PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

mg/kg



Every Street. Bury

TP/WS/BH

Depth (m)

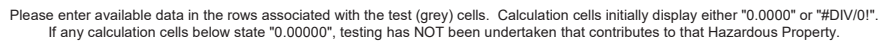
Envirolab reference

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

2,3,7,8-TCDD	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) (<i>leave empty if total HCH results used</i>)	
β Hexachlorocyclohexane (beta-HCH) (<i>leave empty if total HCH results used</i>)	
α Cis-Chlordane (alpha) OR Total Chlordane	
δ Hexachlorocyclohexane (delta-HCH) (<i>leave empty if total HCH results used</i>)	
Dieldrin	
Endrin	
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	
Heptachlor	
Hexachlorobenzene	
p,p'-DDT (<i>leave empty if total DDT results used</i>)	
p,p'-DDT OR Total DDT	
γ Trans-Chlordane (gamma) (<i>leave empty if total Chlordane results used</i>)	
Chlordecone (kepone)	
Pentachlorobenzene	
Mirex	
Toxaphene (campechlor)	
Tin	
Tin (<i>leave empty if Organotin and Tin excl Organotin results used</i>)	
Organotin	
Dibutyltin; DiBT	
Tributyltin; TriBT	
Triphenyltin; TriPT	
Tetrabutyltin; TeBT	
Tin excluding Organotin	
Tin excl Organotin	



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Tl, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, Tl, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic
Cadmium
Copper
CrVI or Chromium
Lead
Mercury
Nickel
Selenium
Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(123cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Coronene
Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or PBB 153; 2,2',4,4',5,5'- if only available)

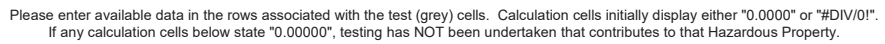
Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

%

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mg/kg



Every Street, Bury

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							

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)

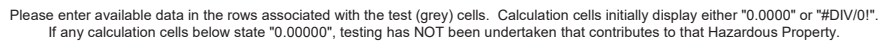
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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.

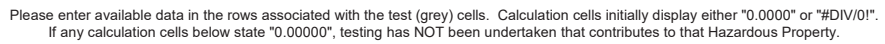
Every Street, Bury									
TP/WS/BH									
Depth (m)									
Envirolab reference									
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T-Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.000000000	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
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



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

Every Street, Bury									
TP/WS/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(ghi)perylene	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								



Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg								
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								

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)

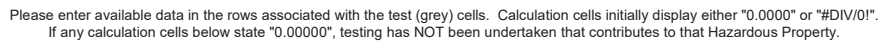
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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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[illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

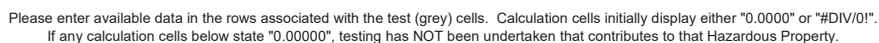
TP/WS/BH

Depth (m)

Envirolab reference

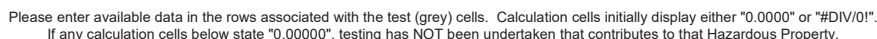
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Every Street, Bury

Table 3 of the CLP, CL Inventory, ATRs, IARC, Concave, MSDSs, REACH + Pesticide Properties databases. Worst case REACH + MSDS's used for *** STOT + Acute Toxicity



Every Street. Bury

TP/WS/BH

Depth (m)

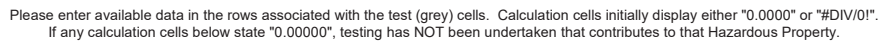
Envirolab reference

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

	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) (<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 Total Chlordane	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 Total HCH	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 Total DDT	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
Tin	
Tin (<i>leave empty if Organotin and Tin excl Organotin results used</i>)	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



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

mg/kg

mg/kg

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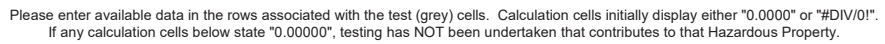
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg							
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							

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)

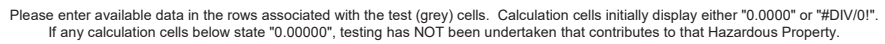
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 and HP7								
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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[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

TP/WS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

CrIII

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenzo(ah)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

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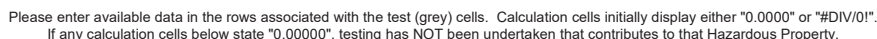
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mg/kg

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mg/kg



Every Street. Bury

TP/WS/BH

Depth (m)

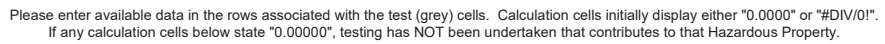
Envirolab reference

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

2,3,7,8-TCDD	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)

[illegible]



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic
Cadmium
Copper
CrVI or Chromium
Lead
Mercury
Nickel
Selenium
ZincBarium
Beryllium
Vanadium
Cobalt
Manganese
MolybdenumAntimony
Aluminium
Bismuth
Cadmium
Iron
Strontium
Tellurium
Thallium
Titanium
Tungsten
Ammoniacal N
ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(123cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Coronene
Total PAHs (16 or 17)

TPH

Petrol
Diesel
Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

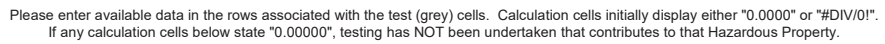
Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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%

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Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg								
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								

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)

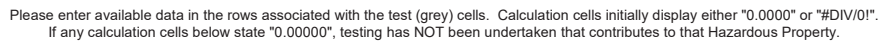
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic
Cadmium
Copper
CrVI or Chromium
Lead
Mercury
Nickel
Selenium
Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(123cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Coronene
Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

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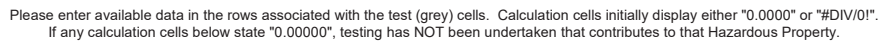
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Every Street, Bury

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								

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)

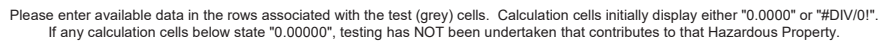
Aldrin		mg/kg									
α Hexachlorocyclohexane (alpha-HCH) (<i>leave empty if total HCH results used</i>)		mg/kg									
β Hexachlorocyclohexane (beta-HCH) (<i>leave empty if total HCH results used</i>)		mg/kg									
α Cis-Chlordane (alpha) OR Total Chlordane		mg/kg									
δ Hexachlorocyclohexane (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 Total HCH		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 Total DDT		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 (camphechlor)		mg/kg									

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic
Cadmium
Copper
CrVI or Chromium
Lead
Mercury
Nickel
Selenium
ZincBarium
Beryllium
Vanadium
Cobalt
Manganese
MolybdenumAntimony
Aluminium
Bismuth
Cadmium
Iron
Strontium
Tellurium
Thallium
Titanium
Tungsten
Ammoniacal N
Total Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(123cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Coronene
Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

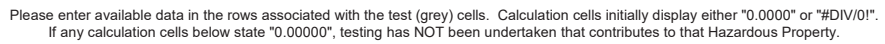
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%

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mg/kg



Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg							
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							

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)

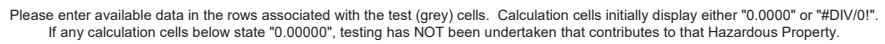
Aldrin	mg/kg								
α Hexachlorocyclohexane (alpha-HCH) (<i>leave empty if total HCH results used</i>)	mg/kg								
β Hexachlorocyclohexane (beta-HCH) (<i>leave empty if total HCH results used</i>)	mg/kg								
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg								
δ Hexachlorocyclohexane (delta-HCH) (<i>leave empty if total HCH results used</i>)	mg/kg								
Dieldrin	mg/kg								
Endrin	mg/kg								
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	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 Total DDT	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 (camphechlor)	mg/kg								

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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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[illegible][illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

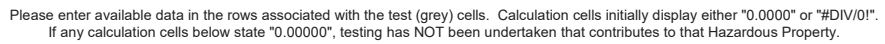
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEx 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



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

[illegible]



Every Street, Bury

Depth (m)

Envirolab reference

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								

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
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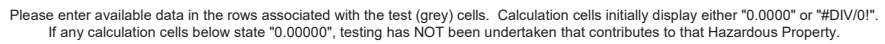
Aldrin		mg/kg								
α Hexachlorocyclohexane (alpha-HCH) (<i>leave empty if total HCH results used</i>)		mg/kg								
β Hexachlorocyclohexane (beta-HCH) (<i>leave empty if total HCH results used</i>)		mg/kg								
α Cis-Chlordane (alpha) OR Total Chlordane		mg/kg								
δ Hexachlorocyclohexane (delta-HCH) (<i>leave empty if total HCH results used</i>)		mg/kg								
Dieldrin		mg/kg								
Endrin		mg/kg								
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH		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 Total DDT		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 (camphechlor)		mg/kg								

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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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[illegible]



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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury									
TP/WS/BH									
Depth (m)									
Envirolab reference									
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.000000000	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
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(ah)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

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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%

mg/kg

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mg/kg

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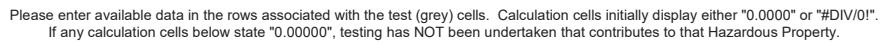
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street, Bury

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								
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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								
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1,2,3,6,7,8-HxCDF	mg/kg								
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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								

Aldrin
 α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)
 β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)
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 Hexachlorobenzene
 o,p'-DDT (leave empty if total DDT results used)
 p,p'-DDT **OR** Total DDT
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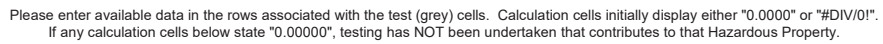
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 and HP7								
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury									
TP/WS/BH									
Depth (m)									
Envirolab reference									
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.000000000	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
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

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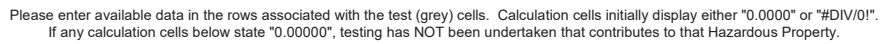
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg								
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								

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)

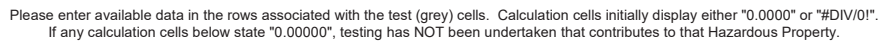
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

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.

%

mg/kg

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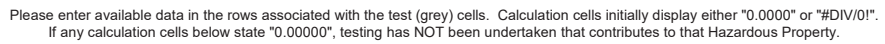
mg/kg

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mg/kg

mg/kg

mg/kg



Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg							
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							

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)

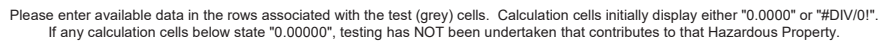
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]

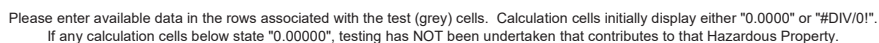


Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

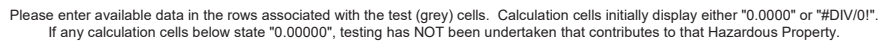
Every Street, Bury									
TP/WS/BH									
Depth (m)									
Envirolab reference									
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T-Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.000000000	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
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Every Street, Bury

Table 3 of the CLP, CL Inventory, ATPs, IARC, Concave, MSDSs, REACH + Pesticide Properties databases. Worst case REACH + MSDS's used for *** STOT + Acute Toxicity



Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg								
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								

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)

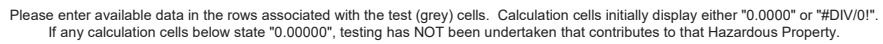
Aldrin	mg/kg								
α Hexachlorocyclohexane (alpha-HCH) <i>(leave empty if total HCH results used)</i>	mg/kg								
β Hexachlorocyclohexane (beta-HCH) <i>(leave empty if total HCH results used)</i>	mg/kg								
α Cis-Chlordane (alpha) OR <i>Total Chlordane</i>	mg/kg								
δ Hexachlorocyclohexane (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 (camphechlor)	mg/kg								

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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

Every Street, Bury

TP/WS/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

Total 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(ghi)perylene

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

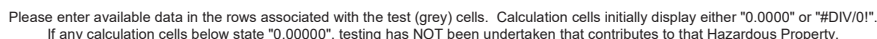
PBBs (POPs)

Hexabromobiphenyl (Total or

mg/kg

PBB 153; 2,2',4,4',5,5'- if only

available)



Every Street. Bury

TP/WS/BH

Depth (m)

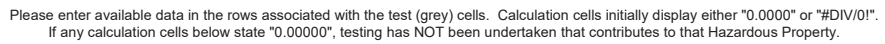
Envirolab reference

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

2,3,7,8-TCDD	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]



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

mg/kg

mg/kg

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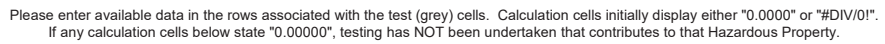
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street, Bury

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							

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)

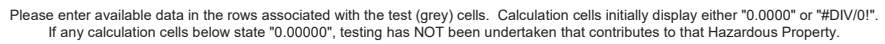
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

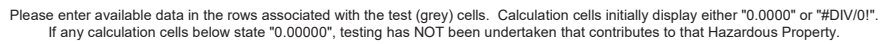
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



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

Every Street, Bury									
TP/WS/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(ghi)perylene	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								



Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg							
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							

Aldrin
 α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)
 β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)
 γ 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)

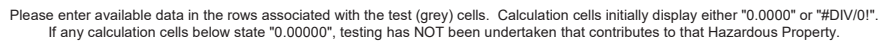
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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

TP/WS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic
Cadmium
Copper
CrVI or Chromium
Lead
Mercury
Nickel
Selenium
Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(ah)anthracene
Fluoranthene
Fluorene
Indeno(123cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Coronene
Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

mg/kg

mg/kg

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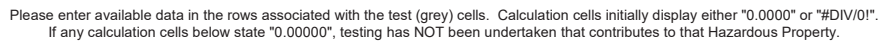
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street, Bury

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]

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)

[illegible]

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

mg/kg

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

mg/kg

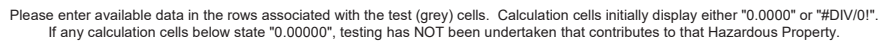
mg/kg

mg/kg

mg/kg

Tin excl Organotin	
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mg/kg



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic
Cadmium
Copper
CrVI or Chromium
Lead
Mercury
Nickel
Selenium
Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(ah)anthracene
Fluoranthene
Fluorene
Indeno(123cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Coronene
Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

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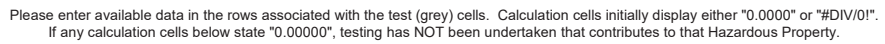
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg								
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								

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)

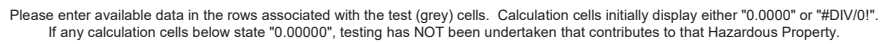
[illegible]

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

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

Tin excluding Organotin

[illegible]



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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

TP/WS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic
Cadmium
Copper
CrVI or Chromium
Lead
Mercury
Nickel
Selenium
Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(ah)anthracene
Fluoranthene
Fluorene
Indeno(123cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Coronene
Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

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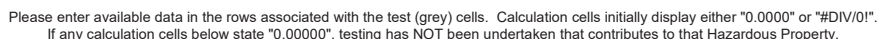
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Every Street. Bury

TP/WS/BH

Depth (m)

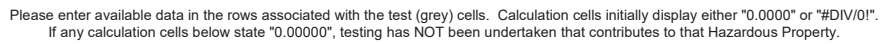
Envirolab reference

**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								

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 (campechlor)	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								



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

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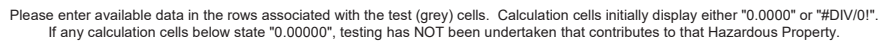
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street, Bury

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								

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)

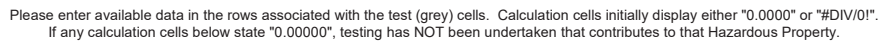
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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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[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									
TP/WS/BH									
Depth (m)									
Envirolab reference									
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.000000000	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
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

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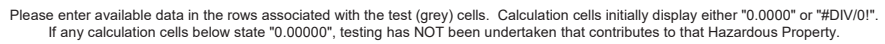
mg/kg

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Every Street, Bury

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							

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)

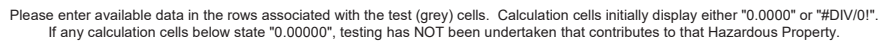
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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

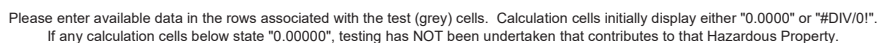


Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury									
TP/WS/BH									
Depth (m)									
Envirolab reference									
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.000000000	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
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Every Street, Bury

Table 3 of the CLP, CL Inventory, ATRs, IARC, Concave, MSDSs, REACH + Pesticide Properties databases. Worst case REACH + MSDS's used for *** STOT + Acute Toxicity



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

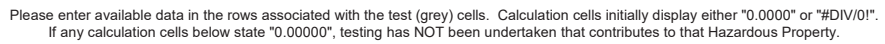
Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

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								



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.
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[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									
TP/WS/BH									
Depth (m)									
Envirolab reference									
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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%		0.000000000	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
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic
Cadmium
Copper
CrVI or Chromium
Lead
Mercury
Nickel
Selenium
Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(123cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Coronene
Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

mg/kg

mg/kg

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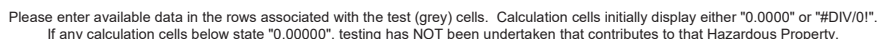
mg/kg

mg/kg

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mg/kg

mg/kg



Every Street. Bury

TP/WS/BH

Depth (m)

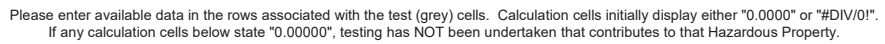
Envirolab reference

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

2,3,7,8-TCDD	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)

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 (campechlor)	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								



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

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

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

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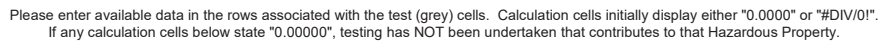
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Every Street, Bury

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								

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)

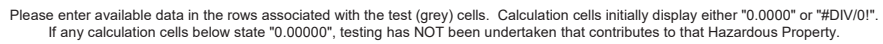
[illegible]

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]



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

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic
Cadmium
Copper
CrVI or Chromium
Lead
Mercury
Nickel
Selenium
Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(123cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Coronene
Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or PBB 153; 2,2',4,4',5,5'- if only available)

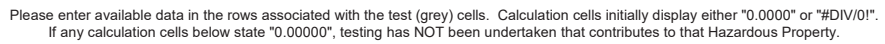
Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
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%

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Every Street, Bury

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]

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)

[illegible]

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

mg/kg

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

mg/kg

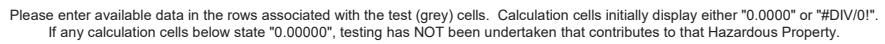
mg/kg

mg/kg

mg/kg

Tin excluding Organotin

mg/kg



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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

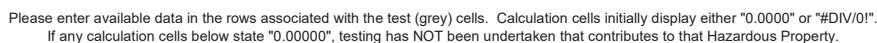


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Haswaste, developed by Dr. Iain Haslock.

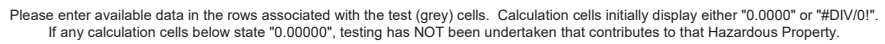
Every Street, Bury								
TP/WS/BH								
Depth (m)								
Envirolab reference								
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T-Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTEX 1%).	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, TL, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, 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
Persistent Organic Pollutant (PCB, PBB or POP Pesticides)	>0.005%		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
Persistent Organic Pollutant (Individual Dioxins+Furans)	>0.0000015%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Every Street, Bury

Table 3 of the CLP, CL Inventory, ATPs, IARC, Concave, MSDSs, REACH + Pesticide Properties databases. Worst case REACH + MSDS's used for *** STOT + Acute Toxicity



Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg							
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							

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)

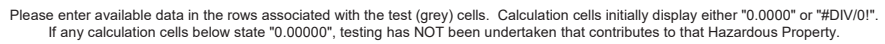
Aldrin	mg/kg								
α Hexachlorocyclohexane (alpha-HCH) <i>(leave empty if total HCH results used)</i>	mg/kg								
β Hexachlorocyclohexane (beta-HCH) <i>(leave empty if total HCH results used)</i>	mg/kg								
α Cis-Chlordane (alpha) OR <i>Total Chlordane</i>	mg/kg								
δ Hexachlorocyclohexane (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 (camphechlor)	mg/kg								

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

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 and HP7								
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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Every Street, Bury

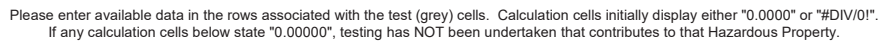
TP/WS/BH

Depth (m)

Envirolab reference

Ecotoxic HP14 amended v6	≥25%	<0.1% (except Be, V, Te, Tl, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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, Tl, Petrol, Diesel, Crude Oil, Kerosene, White Spirit, Cresols, TPH, TPHCWG, Phenol, Cresols, Xylenols, T- Phenols, CompCN, Thiocyanate, Toluene, Ethylbenzene, Xylene + BTX 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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



Every Street, Bury

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								
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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								

Aldrin
 α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)
 β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)
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 Dieldrin
 Endrin
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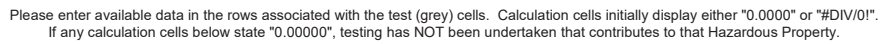
Aldrin		mg/kg								
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α Cis-Chlordane (alpha) OR Total Chlordane		mg/kg								
δ Hexachlorocyclohexane (delta-HCH) (<i>leave empty if total HCH results used</i>)		mg/kg								
Dieldrin		mg/kg								
Endrin		mg/kg								
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH		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 Total DDT		mg/kg								
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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)	

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

Tin excluding Organotin

Tin excl Organotin



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 and HP7								
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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Haswaste, developed by Dr. Iain Haslock.

Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

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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%		0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please conta



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Every Street, Bury

TP/WS/BH

Depth (m)

Envirolab reference

% Moisture

pH (soil)

pH (leachate)

Arsenic

Cadmium

Copper

CrVI or Chromium

Lead

Mercury

Nickel

Selenium

Zinc

Barium

Beryllium

Vanadium

Cobalt

Manganese

Molybdenum

Antimony

Aluminium

Bismuth

Cadmium

Iron

Strontium

Tellurium

Thallium

Titanium

Tungsten

Ammoniacal N

ws Boron

PAH (Input Total PAH OR individual PAH results)

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(ghi)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indeno(123cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Coronene

Total PAHs (16 or 17)

TPH

Petrol

Diesel

Lube Oil

Crude Oil

White Spirit / Kerosene

Creosote

Unknown TPH with ID

Unknown TPHCWG

Total Sulphide

Complex Cyanide

Free (or Total) Cyanide

Thiocyanate

Elemental/Free Sulphur

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol

Cresols

Xylenols

Resorcinol

Phenols Total by HPLC

BTEX Input Total BTEX OR individual BTEX results.

Benzene

Toluene

Ethylbenzene

Xylenes

Total BTEX

PCBs (POPs)

PCBs Total (eq EC7/WHO12)

PBBs (POPs)

Hexabromobiphenyl (Total or

PBB 153; 2,2',4,4',5,5'- if only

available)

%

mg/kg

mg/kg

mg/kg

mg/kg

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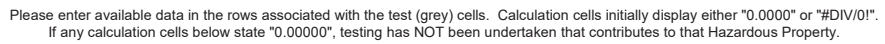
mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



Every Street, Bury

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								
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1,2,3,4,6,7,8-HpCDF	mg/kg								
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OCDF	mg/kg								
Total Dioxins and Furans	mg/kg								

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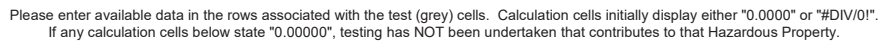
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Toxaphene (camphechlor)	mg/kg								

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

Dibutyltin; DiBT
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Tin excluding Organotin

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Every Street, Bury

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Every Street, Bury

TP/WS/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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TP/WS/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

Total 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(ghi)perylene

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

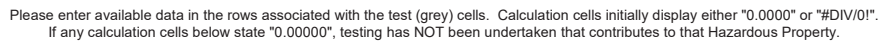
PBBs (POPs)

Hexabromobiphenyl (Total or

mg/kg

PBB 153; 2,2',4,4',5,5'- if only

available)



Every Street, Bury

Depth (m)

Envirolab reference

OR individual Dioxin and Furan results.

	mg/kg								
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								

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)

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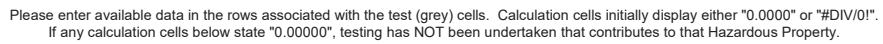
Tin
Tin (leave empty if Organotin and Tin excl Organotin results used)

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

Tin excluding Organotin

Tin excl Organotin

[illegible]



Every Street, Bury

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If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP6 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.								

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]