

Envirolab Job Number: 17/05844

Client Project Name: Quay Lane

Client Project Ref: 5004262

Lab Sample ID	17/05844/9	17/05844/10	17/05844/11	17/05844/12	17/05844/13	17/05844/14	17/05844/15	17/05844/16	Units	Method ref
Client Sample No										
Client Sample ID	WS112	WS112	WS113	WS113	WS114	WS114	WS116	WS116		
Depth to Top	0.40	1.60	0.30	1.20	0.30	1.00	0.50	1.00		
Depth To Bottom	0.50	1.80	0.40	1.50	0.50	1.30	0.70	1.40		
Date Sampled	22-Aug-17	22-Aug-17	22-Aug-17	22-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	5A	5	6A	4A	6A	1A	5A	1A		
PAH-16MS										
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Acenaphthene _A ^{M#}	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Fluorene _A ^{M#}	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	0.27	<0.03	0.17	<0.03	0.09	<0.03	<0.03	<0.03	mg/kg	A-T-019s
Anthracene _A ^{M#}	0.07	<0.02	0.03	<0.02	0.03	<0.02	<0.02	<0.02	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	0.69	<0.08	0.24	<0.08	0.22	<0.08	<0.08	<0.08	mg/kg	A-T-019s
Pyrene _A ^{M#}	0.60	<0.07	0.21	<0.07	0.21	<0.07	<0.07	<0.07	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	0.56	<0.04	0.22	<0.04	0.22	<0.04	<0.04	<0.04	mg/kg	A-T-019s
Chrysene _A ^{M#}	0.64	<0.06	0.26	<0.06	0.25	<0.06	<0.06	<0.06	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	0.82	<0.05	0.34	<0.05	0.36	<0.05	<0.05	<0.05	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.38	<0.07	0.18	<0.07	0.18	<0.07	<0.07	<0.07	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	0.65	<0.04	0.27	<0.04	0.30	<0.04	<0.04	<0.04	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.50	<0.03	0.22	<0.03	0.23	<0.03	<0.03	<0.03	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.08	<0.04	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	0.46	<0.05	0.19	<0.05	0.19	<0.05	<0.05	<0.05	mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	5.78	<0.08	2.38	<0.08	2.33	<0.08	<0.08	<0.08	mg/kg	A-T-019s

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Client Sample No										
Client Sample ID	WS112	WS112	WS113	WS113	WS114	WS114	WS116	WS116		
Depth to Top	0.40	1.60	0.30	1.20	0.30	1.00	0.50	1.00		
Depth To Bottom	0.50	1.80	0.40	1.50	0.50	1.30	0.70	1.40		
Date Sampled	22-Aug-17	22-Aug-17	22-Aug-17	22-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	5A	5	6A	4A	6A	1A	5A	1A		
VOC+TICs										
Dichlorodifluoromethane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Chloromethane _A	-	-	-	-	-	-	<10	<10	µg/kg	A-T-006s
Vinyl Chloride _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Bromomethane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Chloroethane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Trichlorofluoromethane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,1-Dichloroethene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Carbon Disulphide _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Dichloromethane _A	-	-	-	-	-	-	<5	<5	µg/kg	A-T-006s
trans 1,2-Dichloroethene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,1-Dichloroethane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
cis 1,2-Dichloroethene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
2,2-Dichloropropane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Bromochloromethane _A [#]	-	-	-	-	-	-	<5	<5	µg/kg	A-T-006s
Chloroform _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,1,1-Trichloroethane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,1-Dichloropropene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Carbon Tetrachloride _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,2-Dichloroethane _A [#]	-	-	-	-	-	-	<2	<2	µg/kg	A-T-006s
Benzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Trichloroethene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,2-Dichloropropane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Dibromomethane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Bromodichloromethane _A [#]	-	-	-	-	-	-	<10	<10	µg/kg	A-T-006s
cis 1,3-Dichloropropene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Toluene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
trans 1,3-Dichloropropene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,1,2-Trichloroethane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,3-Dichloropropane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Tetrachloroethene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Dibromochloromethane _A [#]	-	-	-	-	-	-	<3	<3	µg/kg	A-T-006s
1,2-Dibromoethane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s

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Client Sample No										
Client Sample ID	WS112	WS112	WS113	WS113	WS114	WS114	WS116	WS116		
Depth to Top	0.40	1.60	0.30	1.20	0.30	1.00	0.50	1.00		
Depth To Bottom	0.50	1.80	0.40	1.50	0.50	1.30	0.70	1.40		
Date Sampled	22-Aug-17	22-Aug-17	22-Aug-17	22-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	5A	5	6A	4A	6A	1A	5A	1A		
Chlorobenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,1,1,2-Tetrachloroethane _A	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Ethylbenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
m & p Xylene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
o-Xylene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Styrene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Bromoform _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Isopropylbenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,1,1,2-Tetrachloroethane _A	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,2,3-Trichloropropane _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
Bromobenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
n-Propylbenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
2-Chlorotoluene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,3,5-Trimethylbenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
4-Chlorotoluene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
tert-Butylbenzene _A [#]	-	-	-	-	-	-	<2	<2	µg/kg	A-T-006s
1,2,4-Trimethylbenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
sec-Butylbenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
4-Isopropyltoluene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,3-Dichlorobenzene _A	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,4-Dichlorobenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
n-Butylbenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,2-Dichlorobenzene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,2-Dibromo-3-chloropropane _A	-	-	-	-	-	-	<2	<2	µg/kg	A-T-006s
1,2,4-Trichlorobenzene _A	-	-	-	-	-	-	<3	<3	µg/kg	A-T-006s
Hexachlorobutadiene _A [#]	-	-	-	-	-	-	<1	<1	µg/kg	A-T-006s
1,2,3-Trichlorobenzene _A	-	-	-	-	-	-	<3	<3	µg/kg	A-T-006s
VOC TICs _A	-	-	-	-	-	-	None detected	None detected		A-T-006s

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Client Sample No										
Client Sample ID	WS112	WS112	WS113	WS113	WS114	WS114	WS116	WS116		
Depth to Top	0.40	1.60	0.30	1.20	0.30	1.00	0.50	1.00		
Depth To Bottom	0.50	1.80	0.40	1.50	0.50	1.30	0.70	1.40		
Date Sampled	22-Aug-17	22-Aug-17	22-Aug-17	22-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	5A	5	6A	4A	6A	1A	5A	1A		
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Total Aliphatics _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Aro >C16-C21 _A [#]	0.6	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Aro >C21-C35 _A [#]	1.4	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Total Aromatics _A	2.0	<0.1	<0.1	<0.1	1.0	<0.1	<0.1	<0.1	mg/kg	A-T-023s
TPH (Ali & Aro) _A	2.0	<0.1	<0.1	<0.1	1.0	<0.1	<0.1	<0.1	mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s

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Client Sample No										
Client Sample ID	WS117	WS117	WS118	WS118	WS119	WS119	WS119	WS119		
Depth to Top	0.40	1.00	0.30	1.30	0.50	0.90	1.60	2.50		
Depth To Bottom	0.60	1.30	0.50	1.50	0.70	1.10	1.80	2.70		
Date Sampled	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	5A	6A	5A	5A	5A	5A	5		
% Stones >10mm _A	4.1	37.9	<0.1	22.0	24.0	18.2	6.6	<0.1	% w/w	A-T-044
pH _D ^{M#}	8.08	7.44	8.31	7.65	8.45	6.54	8.20	7.98	pH	A-T-031s
Cyanide (free) _A ^{M#}	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	A-T-042sFCN
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	A-T-050s
Organic matter _D ^{M#}	3.4	0.5	2.6	0.2	1.2	1.8	<0.1	<0.1	% w/w	A-T-032 OM
Total Organic Carbon _D ^{M#}	1.96	0.29	1.52	0.15	0.72	1.04	<0.03	<0.03	% w/w	A-T-032s
Antimony _D	<5	<5	<5	<5	<5	<5	<5	<5	mg/kg	A-T-024s
Arsenic _D ^{M#}	6	1	7	6	2	3	6	7	mg/kg	A-T-024s
Cadmium _D ^{M#}	0.7	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	1.1	mg/kg	A-T-024s
Copper _D ^{M#}	82	5	48	5	5	2	4	9	mg/kg	A-T-024s
Chromium _D ^{M#}	13	11	13	11	5	7	18	33	mg/kg	A-T-024s
Lead _D ^{M#}	305	19	169	11	33	7	7	9	mg/kg	A-T-024s
Mercury _D	0.49	<0.17	0.71	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	A-T-024s
Nickel _D ^{M#}	12	6	12	9	5	6	7	31	mg/kg	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	A-T-024s
Zinc _D ^{M#}	138	22	96	19	25	13	19	50	mg/kg	A-T-024s
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _A [#]	NAD	NAD	Chrysotile	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos Matrix (microscope) _A	-	-	Loose fibres	-	-	-	-	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) _D	-	-	<0.001	-	-	-	-	-	% w/w	A-T-054

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Client Sample No										
Client Sample ID	WS117	WS117	WS118	WS118	WS119	WS119	WS119	WS119		
Depth to Top	0.40	1.00	0.30	1.30	0.50	0.90	1.60	2.50		
Depth To Bottom	0.60	1.30	0.50	1.50	0.70	1.10	1.80	2.70		
Date Sampled	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	5A	6A	5A	5A	5A	5A	5		
PAH-16MS										
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.15	<0.03	<0.03	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.02	<0.01	0.01	<0.01	<0.01	<0.05	<0.01	<0.01	mg/kg	A-T-019s
Acenaphthene _A ^{M#}	0.02	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	0.34	<0.03	0.21	<0.03	0.17	<0.15	<0.03	<0.03	mg/kg	A-T-019s
Anthracene _A ^{M#}	0.09	<0.02	0.06	<0.02	0.03	<0.10	<0.02	<0.02	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	1.34	<0.08	0.55	<0.08	0.14	<0.40	<0.08	<0.08	mg/kg	A-T-019s
Pyrene _A ^{M#}	1.43	<0.07	0.51	<0.07	0.10	<0.35	<0.07	<0.07	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	1.17	<0.04	0.47	<0.04	0.06	<0.20	<0.04	<0.04	mg/kg	A-T-019s
Chrysene _A ^{M#}	1.26	<0.06	0.56	<0.06	0.09	<0.30	<0.06	<0.06	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	1.56	<0.05	0.75	<0.05	0.07	<0.25	<0.05	<0.05	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.71	<0.07	0.33	<0.07	<0.07	<0.35	<0.07	<0.07	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	1.27	<0.04	0.65	<0.04	0.08	<0.20	<0.04	<0.04	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.79	<0.03	0.46	<0.03	0.05	<0.15	<0.03	<0.03	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.13	<0.04	0.09	<0.04	<0.04	<0.20	<0.04	<0.04	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	0.64	<0.05	0.39	<0.05	<0.05	<0.25	<0.05	<0.05	mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	10.8	<0.08	5.04	<0.08	0.86	<0.40	<0.08	<0.08	mg/kg	A-T-019s

Envirolab Job Number: 17/05844

Client Project Name: Quay Lane

Client Project Ref: 5004262

Lab Sample ID	17/05844/17	17/05844/18	17/05844/19	17/05844/20	17/05844/21	17/05844/22	17/05844/23	17/05844/24	Units	Method ref
Client Sample No										
Client Sample ID	WS117	WS117	WS118	WS118	WS119	WS119	WS119	WS119		
Depth to Top	0.40	1.00	0.30	1.30	0.50	0.90	1.60	2.50		
Depth To Bottom	0.60	1.30	0.50	1.50	0.70	1.10	1.80	2.70		
Date Sampled	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17	23-Aug-17		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	5A	6A	5A	5A	5A	5A	5		
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	7.9	1.5	<0.1	mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	181	16.3	<0.1	mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	833	47.8	<0.1	mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	3830	233	<0.1	mg/kg	A-T-023s
Total Aliphatics _A	<0.1	<0.1	<0.1	<0.1	<0.1	4850	298	<0.1	mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C9-C10 _A [#]	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	17.6	4.2	<0.1	mg/kg	A-T-023s
Aro >C16-C21 _A [#]	5.4	<0.1	2.5	1.4	<0.1	92.1	12.7	<0.1	mg/kg	A-T-023s
Aro >C21-C35 _A [#]	17.7	<0.1	3.0	1.1	<0.1	412	49.9	<0.1	mg/kg	A-T-023s
Total Aromatics _A	23.1	<0.1	5.6	2.5	<0.1	522	66.8	<0.1	mg/kg	A-T-023s
TPH (Ali & Aro) _A	23.1	<0.1	5.6	2.5	<0.1	5370	365	<0.1	mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s

Envirolab Job Number: 17/05844

Client Project Name: Quay Lane

Client Project Ref: 5004262

Lab Sample ID	17/05844/25	17/05844/26	17/05844/27						Units	Method ref
Client Sample No										
Client Sample ID	WS120	WS121	WS121							
Depth to Top	0.50	0.60	1.30							
Depth To Bottom	0.70	0.80	1.60							
Date Sampled	23-Aug-17	23-Aug-17	23-Aug-17							
Sample Type	Soil	Soil	Soil							
Sample Matrix Code	1A	4A	5A							
% Stones >10mm _A	23.5	36.0	15.9						% w/w	A-T-044
pH _D ^{M#}	7.93	9.24	7.74						pH	A-T-031s
Cyanide (free) _A ^{M#}	<1	<1	<1						mg/kg	A-T-042sFCN
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2						mg/kg	A-T-050s
Organic matter _D ^{M#}	<0.1	2.0	<0.1						% w/w	A-T-032 OM
Total Organic Carbon _D ^{M#}	<0.03	1.20	<0.03						% w/w	A-T-032s
Antimony _D	<5	<5	<5						mg/kg	A-T-024s
Arsenic _D ^{M#}	<1	3	8						mg/kg	A-T-024s
Cadmium _D ^{M#}	<0.5	<0.5	<0.5						mg/kg	A-T-024s
Copper _D ^{M#}	<1	14	3						mg/kg	A-T-024s
Chromium _D ^{M#}	2	7	8						mg/kg	A-T-024s
Lead _D ^{M#}	2	39	4						mg/kg	A-T-024s
Mercury _D	<0.17	<0.17	<0.17						mg/kg	A-T-024s
Nickel _D ^{M#}	3	7	7						mg/kg	A-T-024s
Selenium _D ^{M#}	<1	<1	<1						mg/kg	A-T-024s
Zinc _D ^{M#}	5	45	8						mg/kg	A-T-024s
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _A [#]	NAD	NAD	NAD							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A							

Envirolab Job Number: 17/05844

Client Project Name: Quay Lane

Client Project Ref: 5004262

Lab Sample ID	17/05844/25	17/05844/26	17/05844/27						Units	Method ref
Client Sample No										
Client Sample ID	WS120	WS121	WS121							
Depth to Top	0.50	0.60	1.30							
Depth To Bottom	0.70	0.80	1.60							
Date Sampled	23-Aug-17	23-Aug-17	23-Aug-17							
Sample Type	Soil	Soil	Soil							
Sample Matrix Code	1A	4A	5A							
PAH-16MS										
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03						mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	<0.01						mg/kg	A-T-019s
Acenaphthene _A ^{M#}	<0.01	<0.01	<0.01						mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01	<0.01						mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03	<0.03	<0.03						mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	<0.02						mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	<0.08	<0.08						mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	<0.07	<0.07						mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	<0.04	<0.04						mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	<0.06	<0.06						mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	<0.05	<0.05						mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	<0.07						mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	<0.04	<0.04						mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	0.04	<0.03						mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	<0.04						mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05	<0.05						mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	<0.08	<0.08	<0.08						mg/kg	A-T-019s

Envirolab Job Number: 17/05844

Client Project Name: Quay Lane

Client Project Ref: 5004262

Lab Sample ID	17/05844/25	17/05844/26	17/05844/27						Units	Method ref
Client Sample No										
Client Sample ID	WS120	WS121	WS121							
Depth to Top	0.50	0.60	1.30							
Depth To Bottom	0.70	0.80	1.60							
Date Sampled	23-Aug-17	23-Aug-17	23-Aug-17							
Sample Type	Soil	Soil	Soil							
Sample Matrix Code	1A	4A	5A							
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	3.2	<0.1						mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	10.5	<0.1						mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	14.0	<0.1						mg/kg	A-T-023s
Total Aliphatics _A	<0.1	27.6	<0.1						mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Aro >C16-C21 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Aro >C21-C35 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Total Aromatics _A	<0.1	<0.1	<0.1						mg/kg	A-T-023s
TPH (Ali & Aro) _A	<0.1	27.6	<0.1						mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s

REPORT NOTES

General:

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

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

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

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

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

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

Soil chemical analysis:

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

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

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

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

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

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

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

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

Asbestos:

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

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

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

Predominant Matrix Codes:

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

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

Secondary Matrix Codes:

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

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

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

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

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/06076
Issue Number: 1

Date: 15 September, 2017

Client: Ridge and Partners Ltd
Partnership House
Moorside Road
Winchester
UK
SO23 7RX

Project Manager: Antony Platt
Project Name: H. I. Way
Project Ref: Not specified
Order No: 603185
Date Samples Received: 06/09/17
Date Instructions Received: 07/09/17
Date Analysis Completed: 15/09/17

Prepared by:



Georgia King
Admins & Client Services Supervisor

Approved by:



Richard Wong
Client Manager

Envirolab Job Number: 17/06076

Client Project Name: H. I. Way

Client Project Ref: Not specified

Lab Sample ID	17/06076/1	17/06076/2	17/06076/3	17/06076/4	17/06076/5	17/06076/6	17/06076/7	17/06076/8	Units	Method ref
Client Sample No										
Client Sample ID	WS201	WS201	WS202	WS202	WS202	WS203	WS203	WS204		
Depth to Top	0.30	1.70	0.20	1.00	1.80	0.20	1.90	0.20		
Depth To Bottom	0.50	2.00	0.40	1.20	2.00	0.30	2.10	0.40		
Date Sampled	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17		
Sample Type	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid		
Sample Matrix Code	7	7	7	7	7	7	7	7		
% Stones >10mm _A	<0.1	<0.1	<0.1	1.5	<0.1	<0.1	<0.1	<0.1	% w/w	A-T-044
pH _D ^{M#}	10.29	9.17	9.85	8.77	8.66	8.74	9.00	8.76	pH	A-T-031s
Cyanide (free) _A ^{M#}	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	A-T-042sFCN
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	A-T-050s
Organic matter _D ^{M#}	0.7	<0.2	0.4	<0.2	0.6	0.5	<0.2	0.2	% w/w	A-T-032 OM
Total Organic Carbon _D ^{M#}	0.38	<0.06	0.25	<0.06	0.33	0.31	0.10	0.13	% w/w	A-T-032s
Antimony _D	<5	<5	<5	<5	<5	<5	<5	<5	mg/kg	A-T-024s
Arsenic _D ^{M#}	4	<1	2	<1	<1	<1	6	3	mg/kg	A-T-024s
Cadmium _D ^{M#}	0.6	<0.5	0.6	<0.5	<0.5	0.5	<0.5	0.6	mg/kg	A-T-024s
Copper _D ^{M#}	10	3	18	<1	2	2	4	8	mg/kg	A-T-024s
Chromium _D ^{M#}	14	8	10	<1	7	2	11	11	mg/kg	A-T-024s
Lead _D ^{M#}	19	3	20	2	4	3	3	28	mg/kg	A-T-024s
Mercury _D	0.30	0.42	0.34	0.56	0.41	0.64	<0.17	0.27	mg/kg	A-T-024s
Nickel _D ^{M#}	8	4	6	<1	3	2	11	7	mg/kg	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	A-T-024s
Zinc _D ^{M#}	49	11	65	12	11	18	12	43	mg/kg	A-T-024s
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _A [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 17/06076

Client Project Name: H. I. Way

Client Project Ref: Not specified

Lab Sample ID	17/06076/1	17/06076/2	17/06076/3	17/06076/4	17/06076/5	17/06076/6	17/06076/7	17/06076/8	Units	Method ref
Client Sample No										
Client Sample ID	WS201	WS201	WS202	WS202	WS202	WS203	WS203	WS204		
Depth to Top	0.30	1.70	0.20	1.00	1.80	0.20	1.90	0.20		
Depth To Bottom	0.50	2.00	0.40	1.20	2.00	0.30	2.10	0.40		
Date Sampled	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17		
Sample Type	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid		
Sample Matrix Code	7	7	7	7	7	7	7	7		
PAH-16MS										
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.30	<0.03	<0.03	<0.03	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	0.01	mg/kg	A-T-019s
Acenaphthene _A ^{M#}	0.22	<0.01	0.07	<0.01	0.61	0.04	<0.01	0.01	mg/kg	A-T-019s
Fluorene _A ^{M#}	0.28	<0.01	0.07	<0.01	1.49	0.05	<0.01	0.01	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	4.86	<0.03	0.96	<0.03	3.16	0.62	<0.03	0.30	mg/kg	A-T-019s
Anthracene _A ^{M#}	0.94	<0.02	0.21	<0.02	<0.20	0.13	<0.02	0.07	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	11.5	<0.08	2.40	<0.08	<0.80	0.76	<0.08	1.38	mg/kg	A-T-019s
Pyrene _A ^{M#}	9.74	<0.07	1.80	<0.07	<0.70	0.50	<0.07	1.30	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	5.07	<0.04	1.20	<0.04	<0.40	0.43	<0.04	1.30	mg/kg	A-T-019s
Chrysene _A ^{M#}	5.82	<0.06	1.24	<0.06	<0.60	0.40	<0.06	1.33	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	6.59	<0.05	1.66	<0.05	<0.50	0.41	<0.05	1.81	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	2.42	<0.07	0.66	<0.07	<0.70	0.16	<0.07	0.79	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	5.06	<0.04	1.43	<0.04	<0.40	0.37	<0.04	1.78	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	3.67	<0.03	1.06	<0.03	<0.30	0.24	<0.03	1.20	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.71	<0.04	0.20	<0.04	<0.40	0.06	<0.04	0.24	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	2.96	<0.05	0.89	<0.05	<0.50	0.18	<0.05	1.03	mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	59.8	<0.08	13.8	<0.08	5.27	4.35	<0.08	12.6	mg/kg	A-T-019s

Envirolab Job Number: 17/06076

Client Project Name: H. I. Way

Client Project Ref: Not specified

Lab Sample ID	17/06076/1	17/06076/2	17/06076/3	17/06076/4	17/06076/5	17/06076/6	17/06076/7	17/06076/8	Units	Method ref
Client Sample No										
Client Sample ID	WS201	WS201	WS202	WS202	WS202	WS203	WS203	WS204		
Depth to Top	0.30	1.70	0.20	1.00	1.80	0.20	1.90	0.20		
Depth To Bottom	0.50	2.00	0.40	1.20	2.00	0.30	2.10	0.40		
Date Sampled	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17	04-Sep-17		
Sample Type	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid		
Sample Matrix Code	7	7	7	7	7	7	7	7		
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	0.60	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	55.6	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	3.6	<0.1	381	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	25.8	<0.1	561	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	<0.1	32.1	<0.1	170	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Total Aliphatics _A	<0.1	<0.1	61.5	<0.1	1170	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	0.60	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	56.4	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Aro >C12-C16 _A [#]	0.4	<0.1	<0.1	<0.1	288	<0.1	<0.1	<0.1	mg/kg	A-T-023s
Aro >C16-C21 _A [#]	15.1	<0.1	3.9	<0.1	280	<0.1	<0.1	2.6	mg/kg	A-T-023s
Aro >C21-C35 _A [#]	35.7	<0.1	14.2	<0.1	89.2	<0.1	<0.1	7.4	mg/kg	A-T-023s
Total Aromatics _A	51.1	<0.1	18.2	<0.1	713	<0.1	<0.1	10.0	mg/kg	A-T-023s
TPH (Ali & Aro) _A	51.1	<0.1	79.8	<0.1	1880	<0.1	<0.1	10.0	mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s

Envirolab Job Number: 17/06076

Client Project Name: H. I. Way

Client Project Ref: Not specified

Lab Sample ID	17/06076/9	17/06076/10	17/06076/11						Units	Method ref
Client Sample No										
Client Sample ID	WS204	WS205	WS205							
Depth to Top	1.80	0.20	1.90							
Depth To Bottom	2.00	0.30	2.10							
Date Sampled	04-Sep-17	04-Sep-17	04-Sep-17							
Sample Type	Solid	Solid	Solid							
Sample Matrix Code	7	7	7							
% Stones >10mm _A	<0.1	<0.1	<0.1						% w/w	A-T-044
pH _D ^{M#}	8.95	9.09	9.05						pH	A-T-031s
Cyanide (free) _A ^{M#}	<1	<1	<1						mg/kg	A-T-042sFCN
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2						mg/kg	A-T-050s
Organic matter _D ^{M#}	<0.2	0.9	<0.2						% w/w	A-T-032 OM
Total Organic Carbon _D ^{M#}	0.09	0.50	0.08						% w/w	A-T-032s
Antimony _D	<5	<5	<5						mg/kg	A-T-024s
Arsenic _D ^{M#}	<1	3	<1						mg/kg	A-T-024s
Cadmium _D ^{M#}	<0.5	0.6	<0.5						mg/kg	A-T-024s
Copper _D ^{M#}	2	8	5						mg/kg	A-T-024s
Chromium _D ^{M#}	7	7	9						mg/kg	A-T-024s
Lead _D ^{M#}	4	41	3						mg/kg	A-T-024s
Mercury _D	0.50	0.42	0.21						mg/kg	A-T-024s
Nickel _D ^{M#}	3	5	4						mg/kg	A-T-024s
Selenium _D ^{M#}	<1	<1	<1						mg/kg	A-T-024s
Zinc _D ^{M#}	12	53	8						mg/kg	A-T-024s
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _A [#]	NAD	NAD	NAD							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A							

Envirolab Job Number: 17/06076

Client Project Name: H. I. Way

Client Project Ref: Not specified

Lab Sample ID	17/06076/9	17/06076/10	17/06076/11						Units	Method ref
Client Sample No										
Client Sample ID	WS204	WS205	WS205							
Depth to Top	1.80	0.20	1.90							
Depth To Bottom	2.00	0.30	2.10							
Date Sampled	04-Sep-17	04-Sep-17	04-Sep-17							
Sample Type	Solid	Solid	Solid							
Sample Matrix Code	7	7	7							
PAH-16MS										
Naphthalene _A ^{M#}	<0.03	0.25	<0.03						mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	0.07	<0.01						mg/kg	A-T-019s
Acenaphthene _A ^{M#}	<0.01	0.91	<0.01						mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	0.94	<0.01						mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03	9.90	<0.03						mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	2.00	<0.02						mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	13.8	<0.08						mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	11.5	<0.07						mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	5.63	<0.04						mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	4.64	<0.06						mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	5.64	<0.05						mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	2.36	<0.07						mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	5.28	<0.04						mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	3.17	<0.03						mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	0.60	<0.04						mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	2.59	<0.05						mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	<0.08	69.3	<0.08						mg/kg	A-T-019s

Envirolab Job Number: 17/06076

Client Project Name: H. I. Way

Client Project Ref: Not specified

Lab Sample ID	17/06076/9	17/06076/10	17/06076/11						Units	Method ref
Client Sample No										
Client Sample ID	WS204	WS205	WS205							
Depth to Top	1.80	0.20	1.90							
Depth To Bottom	2.00	0.30	2.10							
Date Sampled	04-Sep-17	04-Sep-17	04-Sep-17							
Sample Type	Solid	Solid	Solid							
Sample Matrix Code	7	7	7							
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	16.7	<0.1						mg/kg	A-T-023s
Total Aliphatics _A	<0.1	16.7	<0.1						mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	0.9	<0.1						mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	4.9	<0.1						mg/kg	A-T-023s
Aro >C16-C21 _A [#]	<0.1	11.4	<0.1						mg/kg	A-T-023s
Aro >C21-C35 _A [#]	<0.1	29.0	<0.1						mg/kg	A-T-023s
Total Aromatics _A	<0.1	46.2	<0.1						mg/kg	A-T-023s
TPH (Ali & Aro) _A	<0.1	63.0	<0.1						mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s

REPORT NOTES

General:

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

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

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

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

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

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

Soil chemical analysis:

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

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

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

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

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

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

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

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

Asbestos:

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

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

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

Predominant Matrix Codes:

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

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

Secondary Matrix Codes:

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

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

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

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

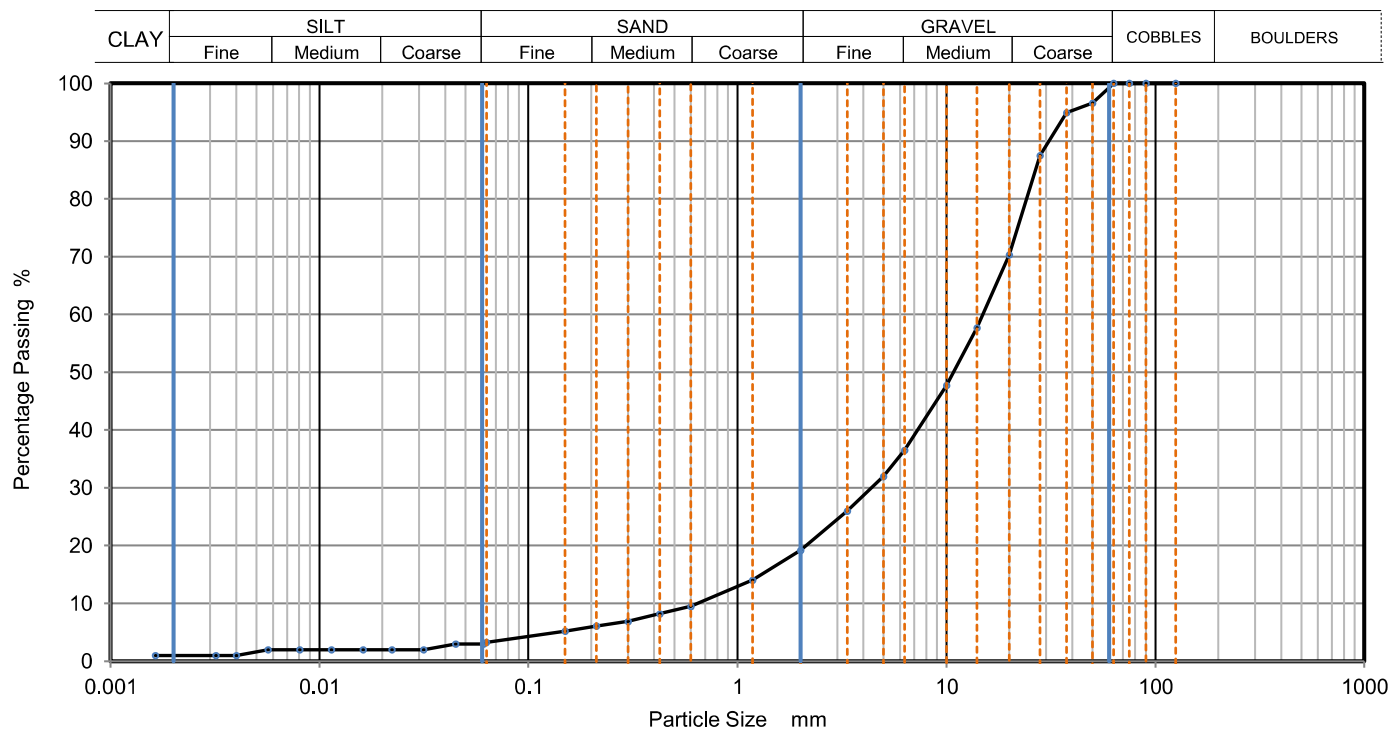
Please contact us if you need any further information.

APPENDIX 6 – GEOTECHNICAL TEST CERTIFICATES



PARTICLE SIZE DISTRIBUTION

Job Ref	23356
Borehole/Pit No.	BH201
Sample No.	6
Depth Top	2.10 m
Depth Base	- m
Sample Type	B
Samples received	11/09/2017
Schedules received	13/09/2017
Project started	14/09/2017
Date tested	27/09/2017



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0609	3
90	100	0.0449	3
75	100	0.0315	2
63	100	0.0222	2
50	97	0.0162	2
37.5	95	0.0114	2
28	88	0.0081	2
20	70	0.0057	2
14	58	0.0040	1
10	48	0.0032	1
6.3	37	0.0016	1
5	32		
3.35	26		
2	19		
1.18	14		
0.6	10	Particle density (assumed) 2.70 Mg/m3	
0.425	8		
0.3	7		
0.212	6		
0.15	5		
0.063	3		

Dry Mass of sample, g 4903

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	80.8
Sand	15.9
Silt	2.2
Clay	1.1

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	23
Curvature Coefficient	2

Remarks
Preparation and testing in accordance with BS1377 unless noted below



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Checked and Approved

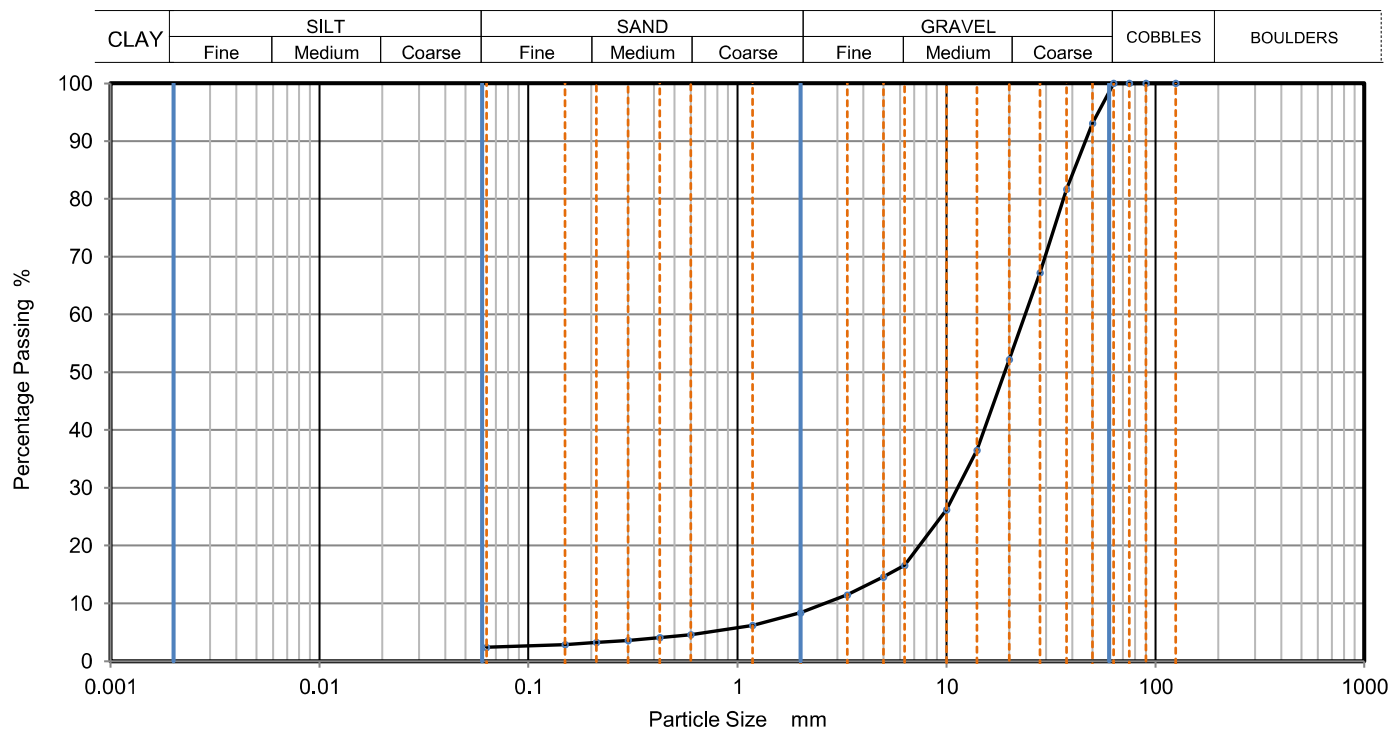
Initials: **kp**
Date: 27/09/2017



PARTICLE SIZE DISTRIBUTION

Job Ref	23356
Borehole/Pit No.	BH201
Sample No.	7
Depth Top	3.00 m
Depth Base	- m
Sample Type	B
Samples received	11/09/2017
Schedules received	13/09/2017
Project started	14/09/2017
Date tested	27/09/2017

Site Name	Harts Farm Way		
Project No.	-	Client	Ridge
Soil Description	Pale grey slightly clayey sandy GRAVEL (gravel is fmc and angular to rounded)		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	93		
37.5	82		
28	67		
20	52		
14	37		
10	26		
6.3	17		
5	15		
3.35	12		
2	8		
1.18	6		
0.6	5		
0.425	4		
0.3	4		
0.212	3		
0.15	3		
0.063	2		

Dry Mass of sample, g

6562

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	91.6
Sand	6.0
Fines <0.063mm	2.4

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	9.1
Curvature Coefficient	2

Remarks

Preparation and testing in accordance with BS1377 unless noted below



2519

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Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

Checked and Approved

Initials: **kp**
 Date: 27/09/2017

MSF-5-R3