

Well No.	OS Easting	OS Northing	Screen Interval		Well Bottom mbgl	Well Bottom (measured 01-03-2013) mbgl	Geological Unit Well Installed Within	Top of Casing mAOD	Ground Level mAOD	Groundwater Level 14-02-2013			NAPL Observations 14-02-2013				Groundwater Level 27&28-02-2013			Groundwater Level 01-03-2013			NAPL Observations 1-03-2013		Comments
			top mbgl	bottom mbgl						Depth mbtoc	Elevation mbgl	Elevation mAOD	Top mtoc	Bottom mtoc	Elevation T mAOD	Elevation B mAOD	Depth mbtoc	Elevation mbgl	Elevation mAOD	Depth mbtoc	Elevation mbgl	Elevation mAOD	Depth mbtoc	Elevation mAOD	
BH12-01	535322	191311	2.70	6.60	6.50	6.25	Kempton Park Gravel	10.63	10.79	2.47	2.64	8.16	6.15	6.25	4.48	4.38	2.51	2.68	8.12	2.51	2.68	8.12	---	---	14/2/13 Difficult to take accurate readings with interface probe. Globules of NAPL noted throughout water column. 1/3/13 Difficult to take accurate readings with interface probe. Approx 3.82 m off installation base product markings noticed on tape when withdrawn. Approx 1.50 m off base tape coated in product but not continuous.
BH12-02D	535351	191322	4.70	6.90	6.80	5.88	Kempton Park Gravel	10.47	10.63	2.10	2.25	8.37	---	---	---	---	3.04	3.19	7.43	2.78	2.93	7.69	---	---	
BH12-03	535339	191370	2.25	6.80	6.70	6.74	Enfield Silt, Kempton Park Gravel	10.66	10.82	3.80	3.96	6.86	---	---	---	---	3.79	3.95	6.87	2.69	2.85	7.97	---	---	
BH12-04	535391	191416	4.30	5.85	5.80	---	Kempton Park Gravel	10.30	10.45	2.97	3.13	7.33	---	---	---	---	3.24	3.40	7.06	---	---	---	---	---	14/2/13 DNAPL observed but not measured to protect interface probe 1/3/13 From 0.40 m up from base of well, tape covered with tarry product. No tone on interface probe.
BH12-05	535367	191464	4.40	6.60	6.50	---	Kempton Park Gravel	10.36	10.44	2.76	2.84	7.60	---	---	---	---	3.05	3.13	7.31	3.07	3.15	7.29	---	---	
BH12-06	535389	191529	4.70	6.20	6.10	6.66	Kempton Park Gravel	9.99	10.15	2.48	2.64	7.51	---	---	---	---	2.76	2.92	7.23	2.80	2.96	7.19	---	---	
WS12-01	535339	191338	0.90	3.10	3.00	6.01	Made Ground, Enfield Silt	10.35	10.51	0.98	1.15	9.37	---	---	---	---	1.01	1.18	9.34	---	---	---	---	---	14/2/13 Occasional tarry glubles observed. 1/3/13 Trace DNAPL observed on end of interphase probe.
WS12-02	535367	191350	0.90	3.10	3.00	---	Made Ground, Enfield Silt	10.44	10.57	1.43	1.56	9.01	---	---	---	---	1.55	1.68	8.89	---	---	---	---	---	
WS12-03	535368	191382	0.90	2.25	2.20	---	Made Ground	10.40	10.52	1.52	1.64	8.88	---	---	---	---	1.57	1.69	8.83	---	---	---	---	---	
WS12-06	535387	191402	0.60	3.00	2.70	2.76	Made Ground, Enfield Silt	10.47	10.55	0.78	0.86	9.69	---	---	---	---	1.86	1.94	8.61	0.87	0.95	9.60	---	---	
WS12-07	535397	191503	0.90	3.00	3.00	3.07	Made Ground, Enfield Silt	10.10	10.28	1.36	1.55	8.74	---	---	---	---	1.58	1.77	8.52	1.58	1.77	8.52	---	---	
WS12-08	535372	191482	0.90	2.10	2.00	2.09	Made Ground, Enfield Silt	10.29	10.43	1.52	1.66	8.77	---	---	---	---	1.65	1.79	8.64	1.75	1.89	8.54	---	---	

--- denotes data is unavailable/could not be obtained
mAOD - metres above ordnance datum
mbtoc - metres below top of casing

Well No.	Date	Water Chemistry Reading 1						Water Chemistry Reading 2						Water Chemistry Reading 3						Post Sampling					Comments
		Vol L	pH	EC uS.cm ⁻¹	DO mg.l ⁻¹	Temp °C	Eh mV	Vol L	pH	EC uS.cm ⁻¹	DO mg.l ⁻¹	Temp °C	Eh mV	Vol L	pH	EC uS.cm ⁻¹	DO mg.l ⁻¹	Temp °C	Eh mV	pH	EC uS.cm ⁻¹	DO mg.l ⁻¹	Temp °C	Eh mV	
BH12-01	14-02-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NAPLs encountered at 4-4.3 m and 6.15-6.25 m. Grab sample with bailer, well not purged, therefore no field chemistry readings.
	27-02-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NAPLs encountered at 4-4.3 m and 6.15-6.25 m. Grab sample with bailer, well not purged, therefore no field chemistry readings.
BH12-02	14-02-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Interface probe did not provide a tone, but visible DNAPL was present on tape when it was retrieved. Grab sample with peristaltic pump, well not purged.
	27-02-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Interface probe did not provide a tone, but visible DNAPL was present on tape when it was retrieved. Grab sample with peristaltic pump, well not purged.
BH12-03	14-02-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Interface probe did not provide a tone, but visible DNAPL was present on tape when it was retrieved. Grab sample with peristaltic pump, well not purged.
	27-02-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Interface probe did not provide a tone, but visible DNAPL was present on tape when it was retrieved. Grab sample with peristaltic pump, well not purged.
BH12-04	14-02-13	0.42	6.55	2575	1.75	12.9	179.2	1.82	6.52	2679	0.74	13.5	159.9	3.92	6.62	2743	0.74	13.7	136.1	6.7	2725	2.57	13.5	192.2	No NAPL detected.
	27-02-13	1.04	6.41	1710	0.84	12.5	234	2.34	6.38	1780	0.55	13	218.6	3.64	6.42	1794	0.54	12.9	219.5	6.46	1642	1.58	12.1	362.7	
BH12-05	14-02-13	0.42	6.77	2416	3.70	12.6	222.2	1.82	6.52	2488	0.84	13.1	199.1	3.22	6.49	2473	0.7	13.2	186.6	6.46	2366	0.8	12.7	178	No NAPL detected.
	28-02-13	0.5	6.38	1409	1.25	12.8	320.8	2	6.29	1355	0.69	12.9	259.1	3.5	6.25	1308	0.63	12.9	242.8	6.25	1299	0.93	12.8	261.9	
BH12-06	14-02-13	0.42	6.67	2220	4.60	12.4	241.7	2.52	6.59	2118	0.96	12.9	205.4	5.04	6.58	2071	0.75	12.9	194.1	6.58	1978	1.16	12.5	182.6	No NAPL detected.
	28-02-13	0.5	6.77	1561	1.53	12.6	388.5	2	6.46	1495	9.88	12.8	275.5	3.5	6.39	1455	0.73	12.9	249.3	6.38	1448	0.83	12.8	248.1	
WS12-01	14-02-13	2.52	6.6	3126	8.13	8.9	160.4	4.2	6.24	3034	1.04	8.8	172.2	5.6	6.18	2993	0.88	8.5	168.5	6.18	2958	0.84	8.5	153.6	No NAPL detected. However occassional tarry globules observed in first draw with pump.
	27-02-13	1.2	6.21	2575	4.39	8.2	421.1	3.36	5.94	2421	1.02	8.3	317.6	4.56	5.9	2365	0.89	8.6	317.8	5.92	2265	0.68	8	322.3	Pump on. Water up by 13:48 but heavy with a grey sediment with oily sheen and evidence of product. Allowed to bypass flow through cell to protect YSI Instrument.
WS12-02	14-02-13	1.68	6.64	1655	15.40	11.1	-39.9	3.78	6.21	1551	6.21	10.9	-102.3	6.58	6.2	1427	4.6	10.4	-127.8	6.22	1409	33.7	10.4	-88	
	27-02-13	1.5	6.21	1474	1.27	10.7	294.2	3	6	1281	0.77	10.4	272	4.35	5.96	1266	0.74	10.4	265.9	5.92	1210	0.79	10.1	249.1	
WS12-03	14-02-13	0.45	6.89	2380	2.57	9.6	179.4	3.45	6.55	2345	0.96	9.8	164.2	6.45	6.5	2196	0.91	9.9	158.5	6.47	2145	1.07	9.7	153.6	
	27-02-13	0.45	6.25	1276	1.06	9.2	257.2	2.85	6.23	1280	0.7	9.4	247.5	4.35	6.24	1279	0.65	9.5	242.4	6.24	1218	0.76	8.9	225.2	
WS12-06	14-02-13	1.25	6.47	2688	14.40	10	-53	7.5	6.64	2170	5	8.3	-118.7	13.75	6.7	2237	6.8	8.6	-22.1	6.65	2223	8.8	8.8	-53	
	28-02-13	0.6	6.59	1657	1.38	9.3	276.6	3	6.52	1667	0.93	8.8	273.1	4.8	6.53	1626	0.98	8.5	261.2	6.52	1052	1.1	8.4	261.4	
WS12-07	14-02-13	0.85	2.05	17095	33.30	9	188.6	4.25	2.06	16070	16.7	9.6	139.9	8.5	2.08	14954	22.3	9.7	271.6	2.09	14636	24.9	9.6	308.7	
	27-02-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Purged for half an hour before sampling
WS12-08	14-02-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Water level had dropped to 1.60 by time water had reached pump so grab sample taken immediately. No rinsing of bottles.
	27-02-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Water level had dropped to 1.60 by time water had reached pump so grab sample taken immediately. No rinsing of bottles.

			Sample ID	BH12-05	BH12-05	WS12-02
			Depth	2.80	5.50	4.3
			Sampled Date	15/01/2013	15/01/2013	17/01/2013
Analyte	Units	LOD				
PSD						
75.0mm Particle Size	% Passing		100	100	100	
63.0mm Particle Size	% Passing		100	100	100	
50.0mm Particle Size	% Passing		100	100	100	
37.5mm Particle Size	% Passing		100	100	100	
28.0mm Particle Size	% Passing		100	93	100	
20.0mm Particle Size	% Passing		100	84	81	
14.0mm Particle Size	% Passing		100	62	54	
10.0mm Particle Size	% Passing		100	43	37	
6.30mm Particle Size	% Passing		100	29	23	
5.00mm Particle Size	% Passing		100	25	18	
3.35mm Particle Size	% Passing		100	21	13	
2.00mm Particle Size	% Passing		100	17	9	
1.18mm Particle Size	% Passing		100	14	7	
0.600mm Particle Size	% Passing		100	11	4	
0.425mm Particle Size	% Passing		100	9	2	
0.300mm Particle Size	% Passing		100	6	1	
0.212mm Particle Size	% Passing		100	4	1	
0.150mm Particle Size	% Passing		100	3	1	
0.063mm Particle Size	% Passing		96	3	1	
0.020mm Particle Size	% Passing		84	0	0	
0.006mm Particle Size	% Passing		65	0	0	
0.002mm Particle Size	% Passing		48	0	0	
Cobbles	%	<0.1	<0.1	<0.1	<0.1	
Gravel	%	<0.1	<0.1	82.5	90.8	
Sand	%	<0.1	3.9	14.8	8.4	
Silt	%	<0.1	47.8	2.7	0.7	
Clay	%	<0.1	48.3	2.7	0.7	

Table 4 Soil Analytical Data - National Grid Suite

Sample ID			WS12-02	WS12-02/A	WS12-02	WS12-02	WS12-03	WS12-03	WS12-05	WS12-06	WS12-06/A	WS12-06	WS12-06	WS12-07	WS12-07	WS12-08	WS12-08
Depth (m)			0.9	0.9	1.4	2.9	0.45	2.0	0.7	0.30	0.3	1.10	3.10	0.35	0.9	0.7	2.5
Sampled Date			17/01/2013	17/01/2013	17/01/2013	17/01/2013	21/01/2013	21/01/2013	18/01/2013	16/01/2013	16/01/2013	16/01/2013	16/01/2013	22/01/2013	22/01/2013	22/01/2013	22/01/2013
Analyte	Units	Detection Limit															
Metals																	
Arsenic	mg.kg ⁻¹	<0.5	60.2	61.8	64	27	20.6	14.2	12.9	38	41.6	38.4	3.7	65	51.4	56.8	18.9
Cadmium	mg.kg ⁻¹	<0.1	1.6	4.7	0.9	0.1	0.3	0.1	<0.1	1.3	1.3	1.3	0.4	0.4	1.1	1.3	0.6
Chromium	mg.kg ⁻¹	<0.5	19.9	24.5	22.8	10.8	24.2	7.2	4.3	56.1	52.2	43	30.9	26	13.9	31.8	59.8
Copper	mg.kg ⁻¹	<1	238	333	137	48	53	24	130	234	250	379	18	83	56	620	29
Lead	mg.kg ⁻¹	<5	427	726	643	67	256	61	12	391	523	403	11	999	956	863	23
Mercury	mg.kg ⁻¹	<0.1	0.4	0.6	1.1	0.3	0.5	0.1	<0.1	3.2	2.3	7	0.1	2	13.8	0.4	<0.1
Nickel	mg.kg ⁻¹	<0.7	45	65.5	53.8	10.5	47.6	12.7	55.8	70.6	78.8	54.4	29.6	34.9	18.6	115.5	42
Selenium	mg.kg ⁻¹	<1	4	3	9	2	<1	<1	1	<1	<1	<1	<1	<1	5	2	3
Water Soluble Boron	mg.kg ⁻¹	<0.1	11.7	16.7	5	5.1	1.4	1.4	0.2	2.9	3.8	3.9	1.6	1.1	<0.1	11.7	6.8
Zinc	mg.kg ⁻¹	<5	415	567	300	12	253	47	20	1448	1311	895	83	178	156	949	140
PAH																	
Naphthalene	mg.kg ⁻¹	<0.04	26.53	37.68	2521.41	917.64	8.02	2.26	37.48	0.9	4.6	428.66	267.12	2.67	2728.16	<0.40	0.06
Acenaphthylene	mg.kg ⁻¹	<0.03	2.79	2.88	356.07	153.45	6.91	7.58	14.09	5.46	8.7	187.3	46.28	16.34	138.38	0.59	<0.03
Acenaphthene	mg.kg ⁻¹	<0.05	0.94	1.17	183.96	26.23	2.35	8.25	20.65	<0.50	0.82	63.87	25.7	6.37	43.11	<0.50	<0.05
Fluorene	mg.kg ⁻¹	<0.04	0.86	1.38	215.19	88.85	3.48	7.93	28.83	1.16	2.75	158.7	36.42	9.71	180.84	<0.40	<0.04
Phenanthrene	mg.kg ⁻¹	<0.03	3.05	3.17	498.58	220.34	17.12	45.64	74.58	9.28	13.49	640.4	86.03	43.18	529.74	2.89	<0.03
Anthracene	mg.kg ⁻¹	<0.04	1.56	1.4	150.42	73.49	7.41	17.62	26.48	5.68	9.72	197.54	25.64	27.89	150.64	1.36	<0.04
Fluoranthene	mg.kg ⁻¹	<0.03	4.9	2.87	121.54	72.42	23.06	61.2	46.71	24.55	27.96	404.78	35.38	90.28	287.07	9.06	<0.03
Pyrene	mg.kg ⁻¹	<0.03	4.16	2.57	141.36	90.97	24.49	49.01	41.13	21.93	28.03	343.85	37.58	68.55	214.03	7.39	<0.03
Benzo(a)anthracene	mg.kg ⁻¹	<0.06	1.89	1.51	55.74	21.8	9.26	20.14	18.16	13.05	13.19	164.21	16.24	36.53	95.05	4.57	<0.06
Chrysene	mg.kg ⁻¹	<0.02	1.98	1.3	42.41	23.01	8.84	16.18	10.81	12.28	12.16	114.64	15.01	30.32	78.89	5.37	<0.02
Benzo(bk)fluoranthene	mg.kg ⁻¹	<0.07	4.58	3.05	35.78	20.52	16.92	28.71	16.41	19.76	24.43	182.81	15.13	49.8	111.15	9.58	<0.07
Benzo(a)pyrene	mg.kg ⁻¹	<0.04	2.46	1.8	26.2	16.43	11.14	18.12	9.85	12.93	15.89	122.52	10.31	29.49	67.75	5.64	<0.04
Indeno(123cd)pyrene	mg.kg ⁻¹	<0.04	1.94	1.06	10.54	6.5	7.22	10.69	4.07	7.28	8.63	70.57	4.34	17.56	37.27	4.1	<0.04
Dibenzo(ah)anthracene	mg.kg ⁻¹	<0.04	<0.40	<0.40	4.11	1.92	1.6	2.11	1.02	1.82	2.14	18.35	<0.80	4.99	8.19	0.98	<0.04
Benzo(ghi)perylene	mg.kg ⁻¹	<0.04	1.66	1.38	7.75	6.37	6.07	10.05	4.05	6.95	8.26	46.23	3.44	15.69	33.65	3.1	<0.04
PAH 16 Total	mg.kg ⁻¹	<0.6	59.3	63.2	4371.1	1739.9	153.9	305.5	354.3	143	180.8	3144.4	624.6	449.4	4703.9	54.6	<0.6
Benzo(b)fluoranthene	mg.kg ⁻¹	<0.05	3.3	2.2	25.76	14.77	12.18	20.67	11.82	14.23	17.59	131.62	10.89	35.86	80.03	6.9	<0.05
Benzo(k)fluoranthene	mg.kg ⁻¹	<0.02	1.28	0.85	10.02	5.75	4.74	8.04	4.59	5.53	6.84	51.19	4.24	13.94	31.12	2.68	<0.02
MTBE, BTEX																	
Methyl tertiary Butyl Ether	mg.kg ⁻¹	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NDP	<0.002	<0.002	<0.020	<0.002	<0.002
Benzene	mg.kg ⁻¹	<0.003	14.765	16.852	460.157	467.692	1.539	0.432	3.42	0.227	0.278	NDP	89.98	20.236	586.962	4.281	0.074
Toluene	mg.kg ⁻¹	<0.003	3.416	2.94	101.39	573.482	0.474	0.153	1.558	0.099	0.084	NDP	6.179	11.388	649.983	1.904	0.031
Ethylbenzene	mg.kg ⁻¹	<0.003	5.164	5.368	249.168	118.71	0.051	0.028	0.504	0.028	0.045	NDP	35.518	1.482	174.263	0.133	<0.003
p/m-Xylene	mg.kg ⁻¹	<0.006	10.633	11.004	686.189	551.734	0.129	0.047	1.265	0.077	0.125	NDP	40.623	6.197	893.092	0.546	0.013
o-Xylene	mg.kg ⁻¹	<0.003	7.773	8.048	310.432	249.499	0.121	0.046	0.682	0.054	0.068	NDP	24.819	3.695	380.407	0.214	0.006
EPH (C8-C40)	mg.kg ⁻¹	<30	5407	4185	59205	13529	3391	2488	10482	3606	3010	20518	8208	4210	45841	809	<30
TPH CWG																	
Aliphatics																	
>C5-C6	mg.kg ⁻¹	<0.1	-	-	14.9	14.3	-	-	-	-	<0.1	2.9	<0.1	-	17.5	-	-
>C6-C8	mg.kg ⁻¹	<0.1	-	-	486.9	1083.8	-	-	-	-	0.6	194.7	0.7	-	2115.6	-	-
>C8-C10	mg.kg ⁻¹	<0.1	-	-	188.6	163	-	-	-	-	0.3	54.4	0.3	-	103.8	-	-
>C10-C12	mg.kg ⁻¹	<0.2	-	-	286.6	629.5	-	-	-	-	4	91.8	159.3	-	528.1	-	-
>C12-C16	mg.kg ⁻¹	<4	-	-	3538	1227	-	-	-	-	124	321	688	-	4735	-	-
>C16-C21	mg.kg ⁻¹	<7	-	-	4296	1082	-	-	-	-	243	297	608	-	4120	-	-
>C21-C35	mg.kg ⁻¹	<7	-	-	2108	209	-	-	-	-	177	270	157	-	1668	-	-
Total aliphatics C5-35	mg.kg ⁻¹	<19	-	-	10919	4409	-	-	-	-	549	1232	1613	-	13288	-	-
Total aliphatics C5-C12	mg.kg ⁻¹	<0.5	-	-	-	1890.6	-	-	-	-	4.9	343.8	160.3	-	-	-	-
Total aliphatics >C12-C35	mg.kg ⁻¹	<18	-	-	-	2518	-	-	-	-	544	888	1453	-	-	-	-
Aromatics																	
>C5-EC7	mg.kg ⁻¹	<0.1	-	-	137.2	442.8	-	-	-	-	0.3	51.4	0.3	-	1006.8	-	-
>EC7-EC8	mg.kg ⁻¹	<0.1	-	-	12.8	167.9	-	-	-	-	<0.1	13.8	<0.1	-	206.9	-	-
>EC8-EC10	mg.kg ⁻¹	<0.1	-	-	90.5	81.9	-	-	-	-	<0.1	21.3	<0.1	-	51.5	-	-
>EC10-EC12	mg.kg ⁻¹	<0.2	-	-	1240	1869.1	-	-	-	-	2.6	125.6	118.2	-	1434.8	-	-
>EC12-EC16	mg.kg ⁻¹	<4	-	-	10720	4876	-	-	-	-	70	777	608	-	6064	-	-
>EC16-EC21	mg.kg ⁻¹	<7	-	-	14402	5436	-	-	-	-	751	2071	858	-	11705	-	-
>EC21-EC35	mg.kg ⁻¹	<7	-	-	13772	4498	-	-	-	-	1566	2419	811	-	12494	-	-
Total aromatics C5-35	mg.kg ⁻¹	<19	-	-	40375	17372	-	-	-	-	2390	5479	2396	-	32963	-	-
Total aromatics C5-C12	mg.kg ⁻¹	<0.5	-	-	-	2561.7	-	-	-	-	2.9	212.1	118.5	-	-	-	-
Total aromatics >EC12-EC35	mg.kg ⁻¹	<18	-	-	-	14810	-	-	-	-	2387	5267	2277	-	-	-	-
Total aliphatics and aromatics(C5-35)	mg.kg ⁻¹	<38	-	-	51294	21781	-	-	-	-	2939	6711	4009	-	46251	-	-
Cresols, Phenols																	
Resorcinol	mg.kg ⁻¹	<0.01	<0.10	<0.10	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.10	<0.10	<0.10	<0.01	0.11	<0.01	<0.01
Catechol	mg.kg ⁻¹	<0.01	<0.10	<0.10	<0.10	0.21											

Sample ID		BH12-01	BH12-01	BH12-02	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-05	BH12-06	WS12-01	WS12-02	WS12-03	WS12-05	WS12-05	WS12-06	WS12-07	WS12-08
Depth		0.2-0.3	2.0-2.2	0.3	0.20	0.90	0.2-0.3	0.2-0.3	0.45-0.55	0.30	0.2	0.3	0.9	2.0	0.3	0.7	0.30	0.35	0.7
Sampled Date		09/01/2013	09/01/2013	08/01/2013	14/01/2013	14/01/2013	09/01/2013	11/01/2013	11/01/2013	14/01/2013	16/01/2013	21/01/2013	17/01/2013	21/01/2013	18/01/2013	18/01/2013	16/01/2013	22/01/2013	22/01/2013
Analyte	Units																		
Asbestos																			
Asbestos Screen	None	Chrysotile	NAD	Chrysotile	Chrysotile	Chrysotile	NAD	Chrysotile	Chrysotile	Chrysotile	NAD	Chrysotile	NAD	Chrysotile	Chrysotile	Chrysotile	Chrysotile	Chrysotile	NAD
Asbestos Characterisation	None	-	-	-	Anthophyllite	Amosite	-	Amosite	Amosite	Amosite	-	Amosite	-	Amosite	Amosite	Amosite	Amosite	Amosite	-

Analyte	Units	Sample ID Depth Sampled Date	BH12-04/A	BH12-06	BH12-06	WS12-02	WS12-02	WS12-07
			1.0-1.1	1.7	5.2	1.4	2.9	0.9
			11/01/2013	16/01/2013	17/01/2013	17/01/2013	17/01/2013	22/01/2013
Units	LOD							
VOC								
Dichlorodifluoromethane	mg.kg ⁻¹	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.020
Methyl Tertiary Butyl Ether	mg.kg ⁻¹	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.020
Chloromethane	mg.kg ⁻¹	<0.003	<0.003	0.199	<0.003	<0.003	0.183	<0.030
Vinyl Chloride	mg.kg ⁻¹	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.020
Bromomethane	mg.kg ⁻¹	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.010
Chloroethane	mg.kg ⁻¹	<0.002	<0.002	0.03	<0.002	<0.002	0.043	<0.020
Trichlorofluoromethane	mg.kg ⁻¹	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.020
1,1-Dichloroethene (1,1 DCE)	mg.kg ⁻¹	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.060
Dichloromethane (DCM)	mg.kg ⁻¹	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.070
trans-1-2-Dichloroethene	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
1,1-Dichloroethane	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
cis-1-2-Dichloroethene	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
2,2-Dichloropropane	mg.kg ⁻¹	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.040
Bromochloromethane	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
Chloroform	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
1,1,1-Trichloroethane	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
1,1-Dichloropropene	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
Carbon tetrachloride	mg.kg ⁻¹	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.040
1,2-Dichloroethane	mg.kg ⁻¹	<0.004	0.508	<0.004	<0.004	<0.004	<0.004	<0.040
Benzene	mg.kg ⁻¹	<0.003	13.743	345.658	2.674	460.157	467.692	586.962
Trichloroethene (TCE)	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	0.07	0.125	<0.030
1,2-Dichloropropane	mg.kg ⁻¹	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.060
Dibromomethane	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
Bromodichloromethane	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
cis-1-3-Dichloropropene	mg.kg ⁻¹	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.040
Toluene	mg.kg ⁻¹	<0.003	0.451	439.644	2.215	48.894	573.482	649.983
trans-1-3-Dichloropropene	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
1,1,2-Trichloroethane	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
Tetrachloroethene (PCE)	mg.kg ⁻¹	<0.003	<0.003	0.04	<0.003	<0.003	<0.003	<0.030
1,3-Dichloropropane	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
Dibromochloromethane	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
1,2-Dibromomethane	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
Chlorobenzene	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
1,1,1,2-Tetrachloroethane	mg.kg ⁻¹	<0.003	<0.003	0.463	<0.003	<0.003	<0.003	<0.030
Ethylbenzene	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
p-Xylene	mg.kg ⁻¹	<0.006	1.996	442.435	3.297	367.999	363.559	893.092
o-Xylene	mg.kg ⁻¹	<0.003	1.295	232.556	3.267	210.801	167.927	380.407
Styrene	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
Bromoform	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
Isopropylbenzene	mg.kg ⁻¹	<0.003	0.516	34.309	0.979	18.175	5.074	86.454
1,1,2,2-Tetrachloroethane	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
Bromobenzene	mg.kg ⁻¹	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.020
1,2,3-Trichloropropane	mg.kg ⁻¹	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.040
Propylbenzene	mg.kg ⁻¹	<0.004	0.553	7.407	0.292	22.592	10.503	15.244
2-Chlorotoluene	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
1,3,5-Trimethylbenzene	mg.kg ⁻¹	<0.003	0.12	31.829	1.706	69.055	36.941	74.74
4-Chlorotoluene	mg.kg ⁻¹	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.030
tert-Butylbenzene	mg.kg ⁻¹	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.050
1,2,4-Trimethylbenzene	mg.kg ⁻¹	<0.006	1.416	69.067	2.158	212.473	97.64	174.715
sec-Butylbenzene	mg.kg ⁻¹	<0.004	<0.004	<0.004	0.743	<0.004	<0.004	<0.040
4-Isopropyltoluene	mg.kg ⁻¹	<0.004	0.374	3.899	0.321	10.265	1.755	15.008
1,3-Dichlorobenzene	mg.kg ⁻¹	<0.004	0.016	<0.004	<0.004	<0.004	<0.004	<0.040
1,4-Dichlorobenzene	mg.kg ⁻¹	<0.004	0.018	<0.004	<0.004	<0.004	<0.004	<0.040
n-Butylbenzene	mg.kg ⁻¹	<0.004	1.61	<0.004	<0.004	<0.004	<0.004	8.193
1,2-Dichlorobenzene	mg.kg ⁻¹	<0.004	0.26	<0.004	<0.004	<0.004	<0.004	<0.040
1,2-Dibromo-3-chloropropane	mg.kg ⁻¹	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.040
1,2,4-Trichlorobenzene	mg.kg ⁻¹	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.070
Hexachlorobutadiene	mg.kg ⁻¹	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.040
Naphthalene	mg.kg ⁻¹	<0.027	8.367	513.351	51.471	2609.742	1530.231	2043.038
1,2,3-Trichlorobenzene	mg.kg ⁻¹	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.070
SVOC								
Phenols								
2-Chlorophenol	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
2-Methylphenol	mg.kg ⁻¹	<0.01	-	4.51	0.26	-	-	183.93
2-Nitrophenol	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
2,4-Dichlorophenol	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
2,4-Dimethylphenol	mg.kg ⁻¹	<0.01	-	3.91	<0.10	-	-	202.63
2,4,5-Trichlorophenol	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
2,4,6-Trichlorophenol	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
4-Chloro-3-methylphenol	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
4-Methylphenol	mg.kg ⁻¹	<0.01	-	8.22	<0.10	-	-	318.53
4-Nitrophenol	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Pentachlorophenol	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Phenol	mg.kg ⁻¹	<0.01	-	14.42	0.22	-	-	241.66
PAHs								
2-Chloronaphthalene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
2-Methylnaphthalene	mg.kg ⁻¹	<0.01	-	351.46	10.09	-	-	532.29
Phthalates								
Bis(2-ethylhexyl) phthalate	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Butylbenzyl phthalate	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Di-n-butyl phthalate	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Di-n-Octyl phthalate	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Diethyl phthalate	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Dimethyl phthalate	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Other SVOCs								
1,2-Dichlorobenzene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
1,2,4-Trichlorobenzene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
1,3-Dichlorobenzene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
1,4-Dichlorobenzene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
2-Nitroaniline	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
2,4-Dinitrotoluene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
2,6-Dinitrotoluene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
3-Nitroaniline	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
4-Bromophenylphenylether	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
4-Chloroaniline	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
4-Chlorophenylphenylether	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
4-Nitroaniline	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Azobenzene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Bis(2-chloroethoxy)methane	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Bis(2-chloroethyl)ether	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Carbazole	mg.kg ⁻¹	<0.01	-	1.92	<0.10	-	-	22.48
Dibenzofuran	mg.kg ⁻¹	<0.01	-	16.28	0.53	-	-	128.91
Hexachlorobenzene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Hexachlorobutadiene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Hexachlorocyclopentadiene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Hexachloroethane	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Isophorone	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
N-nitrosodi-n-propylamine	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10
Nitrobenzene	mg.kg ⁻¹	<0.01	-	<0.10	<0.10	-	-	<0.10

PAH MS

Sample ID			BH12-02	BH12-02	BH12-03	BH12-04	BH12-104	BH12-04	BH12-104	BH12-05	BH12-05	BH12-06	BH12-06	WS12-01	WS12-01	WS12-02	WS12-02	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-08	WS12-08	TRIP BLANK
Sampled Date			14/02/2013	27/02/2013	14/02/2013	14/02/2013	14/02/2013	27/02/2013	27/02/2013	14/02/2013	28/02/2013	14/02/2013	28/02/2013	14/02/2013	27/02/2013	14/02/2013	27/02/2013	14/02/2013	27/02/2013	14/02/2013	27/02/2013	14/02/2013	27/02/2013	14/02/2013	27/02/2013	14/02/2013
Analyte	Units	Detection Limit																								
1,4-Dichlorobenzene	mg.l ⁻¹	<0.003	<0.003	<0.003	-	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	-	<0.003
n-Butylbenzene	mg.l ⁻¹	<0.003	<0.003	<0.003	-	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.019	<0.003	<0.003	<0.003	<0.003	-	<0.003
1,2-Dichlorobenzene	mg.l ⁻¹	<0.003	<0.003	<0.003	-	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.009	<0.003	<0.003	<0.003	<0.003	<0.003	-	<0.003
1,2-Dibromo-3-chloropropane	mg.l ⁻¹	<0.002	<0.002	<0.002	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	<0.002
1,2,4-Trichlorobenzene	mg.l ⁻¹	<0.003	<0.003	<0.003	-	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	-	<0.003
Hexachlorobutadiene	mg.l ⁻¹	<0.003	<0.003	<0.003	-	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	-	<0.003
Naphthalene	mg.l ⁻¹	<0.002	0.418	1.981	-	0.017	0.018	0.036	0.035	<0.002	<0.002	<0.002	<0.002	7.697	9.057	2.5	8.301	<0.002	0.015	2.798	0.709	1.434	1.573	<0.002	-	<0.002
1,2,3-Trichlorobenzene	mg.l ⁻¹	<0.003	<0.003	<0.003	-	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	-	<0.003
Methyl Tertiary Butyl Ether	mg.l ⁻¹	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg.l ⁻¹	<0.001	3.084	27.537	-	25.656	26.194	12.353	11.841	4.521	<0.001	<0.001	<0.001	20.536	28.047	119.138	71.983	0.359	0.208	14.41	6.011	137.749	178.672	0.003	<0.001	<0.001
Toluene	mg.l ⁻¹	<0.002	0.913	4.419	-	0.069	0.071	0.04	0.039	0.011	<0.002	<0.002	<0.002	4.477	3.81	10.371	11.83	0.007	<0.002	3.723	0.408	25.455	28.928	0.003	<0.002	<0.002
Ethylbenzene	mg.l ⁻¹	<0.002	0.066	0.294	-	0.492	0.492	0.356	0.361	0.036	<0.002	<0.002	<0.002	1.061	0.665	0.818	1.131	<0.002	<0.002	0.297	0.05	0.583	0.613	<0.002	<0.002	<0.002
p/m-Xylene	mg.l ⁻¹	<0.003	0.248	0.64	-	0.021	0.021	0.021	0.02	<0.003	<0.003	0.01	0.009	2.895	1.86	4.382	5.359	<0.003	<0.003	1.288	0.163	4.058	4.013	<0.003	<0.003	<0.003
o-Xylene	mg.l ⁻¹	<0.002	0.113	0.427	-	0.025	0.026	0.022	0.022	0.004	<0.002	<0.002	<0.002	1.73	1.208	2.12	2.658	<0.002	<0.002	0.623	0.088	1.49	1.457	<0.002	<0.002	<0.002
EPH (C8-C40)	mg.l ⁻¹	<0.01	4.5	50.09	86.01	30.6	33.5	26.35	30.65	6.59	<0.01	0.62	0.05	45.6	48.96	120.3	130.52	0.61	1.31	24.5	8.49	215.6	242.32	<0.01	-	<0.01
TPH CWG																										
Aliphatics																										
>C5-C6	mg.l ⁻¹	<0.005	0.171	1.324	-	0.229	0.226	0.235	0.233	0.233	0.109	<0.005	<0.005	1.711	1.74	0.557	1.016	0.143	<0.005	0.694	0.784	3.981	4.932	<0.005	<0.005	<0.005
>C6-C8	mg.l ⁻¹	<0.005	<0.005	<0.005	-	0.894	0.991	<0.005	<0.005	0.367	0.193	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.039	0.051	<0.005	<0.005	157.967	<0.005	<0.005	<0.005	<0.005
>C8-C10	mg.l ⁻¹	<0.005	0.131	1.146	-	0.48	0.664	0.427	0.484	0.059	0.224	<0.005	0.015	3.534	1.201	13.464	4.157	0.11	0.104	1.107	0.759	11.259	11.207	<0.005	<0.005	<0.005
>C10-C12	mg.l ⁻¹	<0.005	<0.005	0.074	1.592	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.101	0.057	0.096	0.056	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
>C12-C16	mg.l ⁻¹	<0.01	<0.01	<0.01	0.14	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>C16-C21	mg.l ⁻¹	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.11	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>C21-C35	mg.l ⁻¹	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total aliphatics C5-35	mg.l ⁻¹	<0.01	0.3	2.54	-	1.6	1.88	0.66	0.72	0.66	0.53	<0.01	0.02	5.35	3.24	14.12	5.23	0.29	0.16	1.8	1.54	173.21	16.14	<0.01	<0.01	<0.01
Total aliphatics C5-C12	mg.l ⁻¹	<0.01	0.3	2.54	-	1.6	1.88	0.66	0.72	0.66	0.53	<0.01	0.02	5.35	3	14.12	5.23	0.29	0.16	1.8	1.54	173.21	16.14	<0.01	<0.01	<0.01
Total aliphatics >C12-C35	mg.l ⁻¹	<0.01	<0.01	<0.01	0.14	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics																										
>C5-EC7	mg.l ⁻¹	<0.005	2.602	34.714	-	25.561	28.075	21.691	22.471	3.967	<0.005	<0.005	<0.005	24.28	30.009	68.284	92.974	0.288	0.209	15.425	4.948	2.094	173.847	<0.005	<0.005	<0.005
>EC7-EC8	mg.l ⁻¹	<0.005	0.762	5.163	-	0.053	0.056	0.031	0.034	0.007	<0.005	<0.005	<0.005	2.542	2.747	9.544	12.5	<0.005	<0.005	2.099	0.334	25.734	24.761	<0.005	<0.005	<0.005
>EC8-EC10	mg.l ⁻¹	<0.005	0.406	2.788	-	0.539	0.455	0.347	0.363	0.323	<0.005	0.009	0.019	2.893	2.836	5.607	6.94	0.02	0.022	1.106	0.286	3.876	3.431	0.176	<0.005	<0.005
>EC10-EC12	mg.l ⁻¹	<0.005	0.22	2.429	15.69	0.263	0.309	0.178	0.286	0.064	<0.005	<0.005	<0.005	1.799	3.343	2.625	4.384	<0.005	<0.005	1.344	0.45	4.628	5.497	<0.005	<0.005	<0.005
>EC12-EC16	mg.l ⁻¹	<0.01	0.12	0.85	5.4	0.34	0.66	0.3	0.56	0.23	<0.01	<0.01	<0.01	1.32	2.53	1.14	1.78	<0.01	<0.01	1.33	0.66	1.76	1.9	<0.01	<0.01	<0.01
>EC16-EC21	mg.l ⁻¹	<0.01	<0.01	0.11	1.27	<0.01	0.11	<0.01	0.13	<0.01	<0.01	<0.01	<0.01	0.14	0.93	0.09	0.09	<0.01	<0.01	0.26	0.23	<0.01	0.03	<0.01	<0.01	<0.01
>EC21-EC35	mg.l ⁻¹	<0.01	<0.01	<0.01	0.14	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.29	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total aromatics C5-35	mg.l ⁻¹	<0.01	4.11	46.05	-	26.76	29.67	22.55	23.84	4.59	<0.01	<0.01	0.02	32.97	42.69	87.29	118.67	0.31	0.23	21.56	6.91	38.09	209.47	0.18	<0.01	<0.01
Total aromatics C6-C12	mg.l ⁻¹	<0.01	3.99	45.09	-	26.42	28.9	22.25	23.15	4.36	<0.01	<0.01	0.02	31.51	38.94	86.06	116.8	0.31	0.23	19.97	6.02	36.33	207.54	0.18	<0.01	<0.01
Total aromatics >EC12-EC35	mg.l ⁻¹	<0.01	0.12	0.96	6.81	0.34	0.77	0.3	0.69	0.23	<0.01	<0.01	<0.01	1.46	3.75	1.23	1.87	<0.01	<0.01	1.59	0.89	1.76	1.93	<0.01	<0.01	<0.01
Total aliphatics and aromatics(C5-35)	mg.l ⁻¹	<0.01	4.41	48.59	-	28.36	31.55	23.21	24.56	5.25	0.53	<0.01	0.04	38.32	45.93	101.41	123.9	0.6	0.39	23.36	8.45	211.3	225.61	0.18	<0.01	<0.01
Resorcinol	mg.l ⁻¹	<0.0005	<0.0005	0.0006	0.0046	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0050	<0.0050	0.0381	0.0623	<0.0005	<0.0005	0.0107	<0.0005	0.031	<0.0005	<0.0005	-	<0.0005
Catechol	mg.l ⁻¹	<0.0005	<0.0005	0.0015	0.0202	<0.0005	<0.0005	<0.0005																		

			Sample ID	BH12-01	BH12-03	BH12-03
			Depth	2.47	2.48	3.79
			Sampled Date	14/02/2013	14/02/2013	27/02/2013
Analyte	Units	Detection Limit				
Whole Oil Trace	None		See Lab Report	-	See Lab Report	
Carbon Range	None		C5-C33	-	C5-C33	
Boiling Point Range	Degrees C	<50	36-476	-	36-476	
Interpretation	None		Coal Tar PAHs	-	Coal Tar PAHs	
Pristane/Phytane Ratio	None		NA	-	N/A	
nC17/Pristane Ratio	None		NA	-	N/A	
Age (± 2years) (Christensen & Larsen 1993)	Years		NA	-	N/A	
VOC MS						
Dichlorodifluoromethane	%	<0.01	-	<0.01	-	
Methyl Tertiary Butyl Ether	%	<0.01	-	<0.01	-	
Chloromethane	%	<0.01	-	<0.01	-	
Vinyl Chloride	%	<0.01	-	<0.01	-	
Bromomethane	%	<0.01	-	<0.01	-	
Chloroethane	%	<0.01	-	<0.01	-	
Trichlorofluoromethane	%	<0.01	-	<0.01	-	
1,1-Dichloroethene (1,1 DCE)	%	<0.01	-	<0.01	-	
Dichloromethane (DCM)	%	<0.01	-	<0.01	-	
trans-1-2-Dichloroethene	%	<0.01	-	<0.01	-	
1,1-Dichloroethane	%	<0.01	-	<0.01	-	
cis-1-2-Dichloroethene	%	<0.01	-	<0.01	-	
2,2-Dichloropropane	%	<0.01	-	<0.01	-	
Bromochloromethane	%	<0.01	-	<0.01	-	
Chloroform	%	<0.01	-	<0.01	-	
1,1,1-Trichloroethane	%	<0.01	-	<0.01	-	
1,1-Dichloropropene	%	<0.01	-	<0.01	-	
Carbon tetrachloride	%	<0.01	-	<0.01	-	
1,2-Dichloroethane	%	<0.01	-	<0.01	-	
Trichloroethene (TCE)	%	<0.01	-	<0.01	-	
1,2-Dichloropropane	%	<0.01	-	<0.01	-	
Dibromomethane	%	<0.01	-	<0.01	-	
Bromodichloromethane	%	<0.01	-	<0.01	-	
cis-1-3-Dichloropropene	%	<0.01	-	<0.01	-	
trans-1-3-Dichloropropene	%	<0.01	-	<0.01	-	
1,1,2-Trichloroethane	%	<0.01	-	<0.01	-	
Tetrachloroethene (PCE)	%	<0.01	-	<0.01	-	
1,3-Dichloropropane	%	<0.01	-	<0.01	-	
Dibromochloromethane	%	<0.01	-	<0.01	-	
1,2-Dibromoethane	%	<0.01	-	<0.01	-	
Chlorobenzene	%	<0.01	-	<0.01	-	
1,1,1,2-Tetrachloroethane	%	<0.01	-	<0.01	-	
Bromoform	%	<0.01	-	<0.01	-	
1,1,2,2-Tetrachloroethane	%	<0.01	-	<0.01	-	
Bromobenzene	%	<0.01	-	<0.01	-	
1,2,3-Trichloropropane	%	<0.01	-	<0.01	-	
2-Chlorotoluene	%	<0.01	-	<0.01	-	
4-Chlorotoluene	%	<0.01	-	<0.01	-	
tert-Butylbenzene	%	<0.01	-	<0.01	-	
sec-Butylbenzene	%	<0.01	-	<0.01	-	
4-Isopropyltoluene	%	<0.01	-	<0.01	-	
1,3-Dichlorobenzene	%	<0.01	-	<0.01	-	
1,4-Dichlorobenzene	%	<0.01	-	<0.01	-	
n-Butylbenzene	%	<0.01	-	<0.01	-	
1,2-Dichlorobenzene	%	<0.01	-	<0.01	-	
1,2-Dibromo-3-chloropropane	%	<0.01	-	<0.01	-	
1,2,4-Trichlorobenzene	%	<0.01	-	<0.01	-	
Hexachlorobutadiene	%	<0.01	-	<0.01	-	
1,2,3-Trichlorobenzene	%	<0.01	-	<0.01	-	
Benzene	%	<0.01	-	0.76	-	
Toluene	%	<0.01	-	3.26	-	
Ethylbenzene	%	<0.01	-	4.07	-	
p/m-Xylene	%	<0.01	-	6.57	-	
o-Xylene	%	<0.01	-	2.19	-	
Styrene	%	<0.01	-	2.67	-	
Isopropylbenzene	%	<0.01	-	0.11	-	
Propylbenzene	%	<0.01	-	0.17	-	
1,3,5-Trimethylbenzene	%	<0.01	-	1.1	-	
1,2,4-Trimethylbenzene	%	<0.01	-	3.62	-	
Naphthalene	%	<0.01	-	21.06	-	