

Ground Investigation		Rolton	Rolton	Rolton	Rolton	Rolton	Rolton	Rolton	Rolton	Rolton	Rolton	Rolton	Acadis Sub	Acadis Sub	Acadis Sub	Acadis Sub	Acadis Sub	Rolton Burnt	Rolton Burnt
GEOL		Railhead	Railhead	Railhead	Railhead	Railhead	Railhead	Railhead	Railhead	Railhead	Railhead	Railhead	Station	Station	Station	Station	Station	Shale	Shale
Exploratory Hole Location		TP2	TP5	TP18	TP19	TP9	TP10	TP7a	TP12	TP13	TP14	TP15	BH806	BH808	BH809	BH808	BH809	BS001	BS018
Top Depth (m)		0.5	0.5	0.3	1.3	0.3	0.8	0.2	0.8	1.2	1.35	0.1	0.50	0.50	1.00	0.5	1	2.5	1.2
Strata		Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]	Burnt Shale]
Metals																			
Arsenic	mg/kg	7	14	8.1	8.1	24	24	34	27	30	31	15							
Boron, Water Soluble	mg/kg	2	3.5	0.7	2.1	3.7	1.6	1.1	2.4	2.6	2.3	0.7							
Cadmium	mg/kg	< 0.1	1.2	0.1	0.1	1.7	0.4	0.3	0.7	0.3	0.7	0.4							
Chromium	mg/kg	16	11	23	24	26	32	21	33	23	33	14							
Chromium III	mg/kg																		
Chromium, Hexavalent	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0							
Copper	mg/kg	< 0.2	75	48	13	72	61	43	59	41	60	57							
Lead	mg/kg	5.3	110	40	20	980	89	160	400	54	59	64							
Elementary Mercury	mg/kg	< 0.05	0.27	0.09	0.14	0.08	0.19	< 0.05	0.05	< 0.05	0.11	0.13							
Nickel	mg/kg	2.8	25	25	14	28	22	16	31	25	41	14							
Selenium	mg/kg	1.3	0.7	< 0.5	< 0.5	1.5	1.3	< 0.5	0.5	< 0.5	0.9	< 0.5							
Zinc	mg/kg	10	270	70	48	150	120	62	220	89	160	89							
Inorganics																			
pH		10.5	7.1	6.4	7	7.9	6.3	7.3	6.6	7.4	7.4	7.9						7.9	8.3
Cyanide, Total	mg/kg	0.3	0.3	0.2	0.3	0.3	0.1	0.1	0.2	0.1	0.2	0.2							
Organic matter	%	1	16	5.1	2.3	2.2	0.6	5.2	1.2	< 0.1	0.6	3.9	3.53	20.7	8.59	20.7	8.59		1.1
Sulphate Aqueous Extract as SO4	mg/l	350	150	25	47	110	93	180	400	270	140	50						58	110
Sulphate as SO4, Total	%																	0.21	0.26
TPH																			
EPH (C6-C40)	mg/kg	120	< 10	< 10	< 10	< 10	< 10	54	< 10	< 10	46	< 10							
BTEX & MTBE																			
Benzene	mg/kg																		
Toluene	mg/kg																		
Ethylbenzene	mg/kg																		
Xylene	mg/kg																		
MTBE	mg/kg																		
Phenols																			
Phenol - Monohydric	mg/kg																		
PAHs																			
Naphthalene	mg/kg	0.15	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
Acenaphthylene	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
Acenaphthene	mg/kg	0.05	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
Fluorene	mg/kg	0.07	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
Phenanthrene	mg/kg	0.53	< 0.03	< 0.03	< 0.03	0.08	0.1	< 0.03	< 0.03	< 0.03	< 0.03	0.04							
Anthracene	mg/kg	0.07	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.04							
Fluoranthene	mg/kg	0.49	< 0.03	< 0.03	< 0.03	0.11	0.16	< 0.03	< 0.03	< 0.03	< 0.03	0.04							
Pyrene	mg/kg	0.36	< 0.03	< 0.03	< 0.03	0.09	0.14	< 0.03	< 0.03	< 0.03	< 0.03	0.05							
Benzo(a)anthracene	mg/kg	0.09	< 0.03	< 0.03	< 0.03	0.27	0.07	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
Chrysene	mg/kg	0.16	< 0.03	< 0.03	< 0.03	0.04	0.08	< 0.03	< 0.03	< 0.03	< 0.03	0.04							
Benzo(b)fluoranthene	mg/kg	0.11	< 0.03	< 0.03	< 0.03	0.03	0.1	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
Benzo(k)fluoranthene	mg/kg	0.04	< 0.03	< 0.03	< 0.03	< 0.03	0.04	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
Benzo(a)pyrene	mg/kg	0.05	< 0.03	< 0.03	< 0.03	0.05	0.05	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
Indeno(1,2,3-c,d)pyrene	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
Dibenzo(a,h)anthracene	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
Benzo(g,h,i)perylene	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03							
PAH Total	mg/kg	2.2	< 0.10	< 0.10	< 0.10	0.6	0.74	< 0.10	< 0.10	< 0.10	< 0.10	0.19							
Additional Tests																			
TOC	mg/kg												2.05	12	4.98				
Gross Calorific Value Original													1.04	1.84	3.43				

Ground Investigation GEOL Exploratory Hole Location Top Depth (m) Strata		Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	
		Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	
		BS020	BS032	BS033	BS035	BS036	BS037	BS043	BS048	BS049	BS050	BS054	BS056	BS059	BS065	BS069	BS071	BS073	BS076
		1.5	0.3	0.5	0.5	0.3	0.40-0.80	0.5	0.6	0.8	2.5	1.10-1.30	0.7	0.80-1.00	0.9	0.5	0.3	0.7	0.8
		Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale]																	
Metals																			
Arsenic	mg/kg																		
Boron, Water Soluble	mg/kg																		
Cadmium	mg/kg																		
Chromium	mg/kg																		
Chromium III	mg/kg																		
Chromium, Hexavalent	mg/kg																		
Copper	mg/kg																		
Lead	mg/kg																		
Elementary Mercury	mg/kg																		
Nickel	mg/kg																		
Selenium	mg/kg																		
Zinc	mg/kg																		
Inorganics																			
pH		7.5	7.8	8	7.9	8.1	8.1	7.4	9.1	8.1	7.2	7.7	7.4	7.9	8.5	7.6	8.6	8.1	7.8
Cyanide, Total	mg/kg																		
Organic matter	%																		
Sulphate Aqueous Extract as SO4	mg/l	590	26	79	76	600	67	1300	660	340	1800	130	1500	210	29	18	33	230	72
Sulphate as SO4, Total	%	0.5	0.04	0.25	0.29	0.35	0.58	0.84	0.78	0.64	1.3	0.09	0.84	0.08	0.07	0.9	0.05	0.15	0.3
TPH																			
EPH (C6-C40)	mg/kg																		
BTEX & MTBE																			
Benzene	mg/kg																		
Toluene	mg/kg																		
Ethylbenzene	mg/kg																		
Xylene	mg/kg																		
MTBE	mg/kg																		
Phenols																			
Phenol - Monohydric	mg/kg																		
PAHs																			
Naphthalene	mg/kg																		
Acenaphthylene	mg/kg																		
Acenaphthene	mg/kg																		
Fluorene	mg/kg																		
Phenanthrene	mg/kg																		
Anthracene	mg/kg																		
Fluoranthene	mg/kg																		
Pyrene	mg/kg																		
Benzo(a)anthracene	mg/kg																		
Chrysene	mg/kg																		
Benzo(b)fluoranthene	mg/kg																		
Benzo(k)fluoranthene	mg/kg																		
Benzo(a)pyrene	mg/kg																		
Indeno(1,2,3-c,d)pyrene	mg/kg																		
Dibenzo(a,h)anthracene	mg/kg																		
Benzo(g,h,i)perylene	mg/kg																		
PAH Total	mg/kg																		
Additional Tests																			
TOC	mg/kg																		
Gross Calorific Value Original																			

Ground Investigation GEOL Exploratory Hole Location Top Depth (m) Strata		Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	
		Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	
		BS078	BS078	BS080	BS082	BS082	BS088	BS092	BS095	BS096	BS097	BS099	BS102	BS109	BS111	BS113	BS117	BS122	BS125
		0.5	0.70-1.00	0.5	0.8	1.20-1.60	0.5	0.5	0.5	0.7	0.7	0.8	0.5	0.5	0.6	0.5	0.5	0.5	0.5
		Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale]																	
Metals																			
Arsenic	mg/kg																		
Boron, Water Soluble	mg/kg																		
Cadmium	mg/kg																		
Chromium	mg/kg																		
Chromium III	mg/kg																		
Chromium, Hexavalent	mg/kg																		
Copper	mg/kg																		
Lead	mg/kg																		
Elementary Mercury	mg/kg																		
Nickel	mg/kg																		
Selenium	mg/kg																		
Zinc	mg/kg																		
Inorganics																			
pH		7.7	8	8.1	8	7.9	7.9	7.5	7.4	8.1	8.2	7.7	7	7.4	7.6	7.6	8.7	8.9	6.7
Cyanide, Total	mg/kg																		
Organic matter	%		1.4			3.4		0.1	1.2	0.2				0.6	0.5		1	0.7	
Sulphate Aqueous Extract as SO4	mg/l	60	140	46	37	940	69	59	450	29	63	35	63	820	56	57	120	47	580
Sulphate as SO4, Total	%	0.28	0.15	0.23	0.11	0.31	0.09	0.16	0.33	0.07	1.4	0.23	0.77	0.48	0.31	0.22	0.2	0.91	1.7
TPH																			
EPH (C6-C40)	mg/kg																		
BTEX & MTBE																			
Benzene	mg/kg																		
Toluene	mg/kg																		
Ethylbenzene	mg/kg																		
Xylene	mg/kg																		
MTBE	mg/kg																		
Phenols																			
Phenol - Monohydric	mg/kg																		
PAHs																			
Naphthalene	mg/kg																		
Acenaphthylene	mg/kg																		
Acenaphthene	mg/kg																		
Fluorene	mg/kg																		
Phenanthrene	mg/kg																		
Anthracene	mg/kg																		
Fluoranthene	mg/kg																		
Pyrene	mg/kg																		
Benzo(a)anthracene	mg/kg																		
Chrysene	mg/kg																		
Benzo(b)fluoranthene	mg/kg																		
Benzo(k)fluoranthene	mg/kg																		
Benzo(a)pyrene	mg/kg																		
Indeno(1,2,3-c,d)pyrene	mg/kg																		
Dibenzo(a,h)anthracene	mg/kg																		
Benzo(g,h,i)perylene	mg/kg																		
PAH Total	mg/kg																		
Additional Tests																			
TOC	mg/kg																		
Gross Calorific Value Original																			

Ground Investigation GEOL Exploratory Hole Location Top Depth (m) Strata		Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	Rolton Burnt Shale	
		BS130	BS140	BS144	BS148	BS151	BS152	BS153	BS161	BS164	BS165	BS174	BS215	BS219	BS220	BS222	BS236	BS246	BS248
		0.55	0.7	0.8	1.3	1.1	0.5	0.7	0.5	0.5	0.7	1.2	0.40-0.60	1	1	0.9	0.4	0.7	1
		Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale]																	
Metals																			
Arsenic	mg/kg																		
Boron, Water Soluble	mg/kg																		
Cadmium	mg/kg																		
Chromium	mg/kg																		
Chromium III	mg/kg																		
Chromium, Hexavalent	mg/kg																		
Copper	mg/kg																		
Lead	mg/kg																		
Elementary Mercury	mg/kg																		
Nickel	mg/kg																		
Selenium	mg/kg																		
Zinc	mg/kg																		
Inorganics																			
pH		7.2	6.7		7.9	7.6	7.7	7.9	8.3	9.4	9.7	8	7.6	8.1	8.2	7.7	7.4	7.4	7.8
Cyanide, Total	mg/kg																		
Organic matter	%	1.4		0.8						1.2	1.3						0.8	0.9	1.3
Sulphate Aqueous Extract as SO4	mg/l	950	1100		54	90	300	31	690	120	400	28	560	37	48	870	1600	920	64
Sulphate as SO4, Total	%	0.69	2		0.12	0.07	0.24	0.21	0.48	0.38	0.29	0.05	0.25	0.07	0.07	0.57	1.5	0.6	0.25
TPH																			
EPH (C6-C40)	mg/kg																		
BTEX & MTBE																			
Benzene	mg/kg																		
Toluene	mg/kg																		
Ethylbenzene	mg/kg																		
Xylene	mg/kg																		
MTBE	mg/kg																		
Phenols																			
Phenol - Monohydric	mg/kg																		
PAHs																			
Naphthalene	mg/kg																		
Acenaphthylene	mg/kg																		
Acenaphthene	mg/kg																		
Fluorene	mg/kg																		
Phenanthrene	mg/kg																		
Anthracene	mg/kg																		
Fluoranthene	mg/kg																		
Pyrene	mg/kg																		
Benzo(a)anthracene	mg/kg																		
Chrysene	mg/kg																		
Benzo(b)fluoranthene	mg/kg																		
Benzo(k)fluoranthene	mg/kg																		
Benzo(a)pyrene	mg/kg																		
Indeno(1,2,3-c,d)pyrene	mg/kg																		
Dibenzo(a,h)anthracene	mg/kg																		
Benzo(g,h,i)perylene	mg/kg																		
PAH Total	mg/kg																		
Additional Tests																			
TOC	mg/kg																		
Gross Calorific Value Original																			

Ground Investigation GEOL Exploratory Hole Location Top Depth (m) Strata		Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Rolton Burnt	Arcadis	Arcadis	Arcadis	Arcadis	Arcadis	Arcadis	Arcadis		
		Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	Shale	MG - BS50	MG - BS50	MG - BS50	MG - BS50	MG - BS50	MG - BS50	MG - BS50	
		BS250	BS251	BS252	BS254	BS306	BS308	BS312	BS315	BS355	BS356	BS359	TP414	TP401	TP406	TP407	TP404	TP304	TP 202	
		0.5	0.7	0.5	0.6	0.5	1	0.8	0.6	0.5	0.7	0.5	0.5	0.5	0.5	0.4	0.9	1.4	0.6	
		Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale] Burnt Shale]																		
Metals																				
Arsenic	mg/kg												20.3	17.7	11	8.76	18.9	18.3		
Boron, Water Soluble	mg/kg												3.73	13.1	16	15.5	12.6			
Cadmium	mg/kg												0.173	0.02	0.078	0.02	0.46	0.503		
Chromium	mg/kg												0.01	0.01	0.01	23.5	13.4	0.01		
Chromium III	mg/kg												0.01	0.01	0.01	23.5	13.4	0.01		
Chromium, Hexavalent	mg/kg												0.3	0.3	0.3	0.6	0.6	0.6		
Copper	mg/kg												16.6	35.3	42.7	29.6	92.5	53		
Lead	mg/kg												142	29.2	68.5	25.7	156	139		
Elementary Mercury	mg/kg												0.0001	0.0001	0.0001	0.1	0.1	0.0001		
Nickel	mg/kg												18.1	39.5	28.5	39.9	58.3	42.1		
Selenium	mg/kg												1	1	1.05	1	1	1.31		
Zinc	mg/kg												28.2	79.2	159	88.7	333	230		
Inorganics																				
pH		7.9	8.7	8.3	8.1	7.7		7.5		7	7.8	6.9	7.25	6.86	8.39	7.2		7.71		
Cyanide, Total	mg/kg												0.5	0.5	0.5	1	1	1		
Organic matter	%	0.6	0.2	1.2	0.5	2.1	0.8	0.5	0.7	1.9	1.1		0.35	1.16	1.59	3.84	65.9	11.4		
Sulphate Aqueous Extract as SO4	mg/l	60	75	39	30	130		120		59	140	1500	84		194	1540				
Sulphate as SO4, Total	%	0.17	0.04	0.05	0.13	0.15		0.11		0.3	0.87	1.7								
TPH																				
EPH (C6-C40)	mg/kg												10	10	61	1040	70	10	273	
BTEX & MTBE																				
Benzene	mg/kg												<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	
Toluene	mg/kg												<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	
Ethylbenzene	mg/kg												<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	
Xylene	mg/kg												<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	
MTBE	mg/kg												<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	
Phenols																				
Phenol - Monohydric	mg/kg												0.01	0.01	0.01	0.01	0.01	0.1	0.01	
PAHs																				
Naphthalene	mg/kg												0.009	0.009	0.0147	0.1	0.0264	0.008	0.106	
Acenaphthylene	mg/kg												0.012	0.012	0.0162	0.1	0.102	0.1	0.164	
Acenaphthene	mg/kg												0.008	0.008	0.0953	0.1	0.0272	0.1	0.507	
Fluorene	mg/kg												0.01	0.01	0.117	0.1	0.045	0.1	0.718	
Phenanthrene	mg/kg												0.015	0.0336	2.44	0.1	0.666	0.1	6.86	
Anthracene	mg/kg												0.016	0.016	0.799	0.1	0.148	0.1	2.54	
Fluoranthene	mg/kg												0.017	0.0244	4.78	0.1	0.99	0.1	14.8	
Pyrene	mg/kg												0.015	0.0186	3.51	0.1	0.74	0.1	10.8	
Benzo(a)anthracene	mg/kg												0.014	0.014	2.48	0.1	0.48	0.1	6.64	
Chrysene	mg/kg												0.01	0.0137	2.04	0.1	0.48	0.1	5.71	
Benzo(b)fluoranthene	mg/kg												0.015	0.0165	2.18	0.1	0.564	0.1	6.63	
Benzo(k)fluoranthene	mg/kg												0.014	0.014	0.706	0.1	0.21	0.1	2.59	
Benzo(a)pyrene	mg/kg												0.015	0.015	1.27	0.1	0.387	0.1	4.92	
Indeno(1,2,3-c,d)pyrene	mg/kg												0.018	0.018	0.671	0.1	0.237	0.1	3.23	
Dibenzo(a,h)anthracene	mg/kg												0.023	0.023	0.187	0.0652		0.733		
Benzo(g,h,i)perylene	mg/kg												0.024	0.024	0.67	0.1	0.243	0.1	2.87	
PAH Total	mg/kg												0.118	0.118	22	5.41		69.8		
Additional Tests																				
TOC	mg/kg																			
Gross Calorific Value Original																				

Ground Investigation		Arcadis	Arcadis	Arcadis	Arcadis	Arcadis	Arcadis	Arcadis	Summary			
GEOL		MG - BS50	MG - BS50	MG - BS50	MG - BS50	MG - BS50	MG - BS50	MG - BS50				
Exploratory Hole Location		TP107	CBR137	CBR140	CBR156	CBR164	CBR 166	TP 123				
Top Depth (m)		1.3	0.8	0.6	0.7	0.85	0.7	0.7				
Strata									Number of results	Minimum	Median	Maximum
Metals												
Arsenic	mg/kg	8.18	26.2	12.4	15.5	22	19.2	19.8	43	2.7	15	34
Boron, Water Soluble	mg/kg	17.8	21.8	10.2	12.8	20	11.4	17.5	43	0.6	2.9	21.8
Cadmium	mg/kg	0.0813	3.98	0.244	0.309	0.02	1.13	0.807	43	0.02	0.3045	3.98
Chromium	mg/kg	0.01	18.1	0.01	13.3	21.1	14.2	26	43	0.01	20	500
Chromium III	mg/kg	0.01	18.1	0.01	13.3	21.1	14.2	26	14	0.01	13.3	26
Chromium, Hexavalent	mg/kg	0.6	0.6	0.3	0.6	0.6	0.6	0.6	43	0.3	0.6	0.6
Copper	mg/kg	39.9	94.2	26.5	40.8	51.4	34.2	44	43	13	42.35	100
Lead	mg/kg	55.8	184	44.4	102	211	214	254	43	5.3	64	980
Elementary Mercury	mg/kg	0.0001	0.1	0.0001	0.1	0.106	0.1	0.1	43	0.0001	0.1	0.31
Nickel	mg/kg	42	64.9	13.6	14.7	43.3	32.4	55.4	43	2.8	28	64.9
Selenium	mg/kg	1	1.36	1	1.67	2.82	1.71	1	43	0.5	1	2.82
Zinc	mg/kg	119	969	59.2	104	251	387	497	43	10	119	969
Inorganics												
pH		6.45		8.52		7.33		6.74	107	5.2	7.8	11.5
Cyanide, Total	mg/kg	1	1	0.5	1	1	1	1	43	0.1	0.3	1
Organic matter	%	0.753	2.6	6.12	2.4	2.16	2.07	9.53	80	0.1	1.4	65.9
Sulphate Aqueous Extract as SO4	mg/l	209							107	18	120	1800
Sulphate as SO4, Total	%								78	0.04	0.255	2
TPH												
EPH (C6-C40)	mg/kg	1670	141	139	10	10	10	94	38	10	69.7	1670
BTEX & MTBE												
Benzene	mg/kg	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	14	<LOD	<LOD	<LOD
Toluene	mg/kg	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	14	<LOD	<LOD	<LOD
Ethylbenzene	mg/kg	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	14	<LOD	<LOD	<LOD
Xylene	mg/kg	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	14	<LOD	<LOD	<LOD
MTBE	mg/kg	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	14	<LOD	<LOD	<LOD
Phenols												
Phenol - Monohydric	mg/kg	0.01	0.01	0.01	0.01	0.01	0.01	0.01	14	0.01	0.01	0.1
PAHs												
Naphthalene	mg/kg	0.008	0.0144	0.137	0.0165	0.009	0.009	0.155	16	0.008	0.0156	0.155
Acenaphthylene	mg/kg	0.1	0.012	0.012	0.012	0.012	0.012	0.0239	14	0.012	0.0141	0.164
Acenaphthene	mg/kg	0.1	0.008	0.0271	0.008	0.008	0.008	0.052	16	0.008	0.0386	0.507
Fluorene	mg/kg	0.1	0.01	0.025	0.01	0.01	0.01	0.0867	16	0.01	0.0575	0.718
Phenanthrene	mg/kg	0.1	0.0355	0.39	0.0665	0.0771	0.0923	1.21	23	0.015	0.1	6.86
Anthracene	mg/kg	0.1	0.016	0.0631	0.016	0.016	0.016	0.321	19	0.016	0.0631	2.54
Fluoranthene	mg/kg	0.1	0.017	0.379	0.0717	0.017	0.0361	1.8	23	0.017	0.1	14.8
Pyrene	mg/kg	0.1	0.015	0.277	0.0636	0.015	0.0266	1.38	22	0.015	0.1	10.8
Benzo(a)anthracene	mg/kg	0.1	0.014	0.143	0.0352	0.014	0.014	0.751	20	0.014	0.1	6.64
Chrysene	mg/kg	0.1	0.0131	0.157	0.0352	0.01	0.0207	0.67	22	0.01	0.1	5.71
Benzo(b)fluoranthene	mg/kg	0.1	0.015	0.187	0.0392	0.015	0.015	0.637	21	0.015	0.1	6.63
Benzo(k)fluoranthene	mg/kg	0.1	0.014	0.078	0.014	0.014	0.014	0.24	18	0.014	0.045	2.59
Benzo(a)pyrene	mg/kg	0.1	0.015	0.136	0.0266	0.015	0.015	0.492	21	0.015	0.05	4.92
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	0.018	0.0833	0.018	0.018	0.018	0.301	16	0.018	0.05665	3.23
Dibenzo(a,h)anthracene	mg/kg		0.023	0.023	0.023	0.023	0.023	0.0697	11	0.023	0.023	0.733
Benzo(g,h,i)perylene	mg/kg	0.1	0.024	0.102	0.024	0.024	0.024	0.292	14	0.024	0.1	2.87
PAH Total	mg/kg		0.118	2.18	0.354	0.118	0.176	8.49	15	0.118	0.6	69.8
Additional Tests												
TOC	mg/kg								3	2.05	4.98	12
Gross Calorific Value Original									3	1.04	1.84	3.43
									1337			