

		Sample I.D													
		Borehole No	BH523	BH523	BH524	BH521A	BH509	BH509	BH801	BH801				Saltwater EQS	Drinking Water
		Depth (m bgl)	3.34-10.00	3.43-7.50	6.13-15	6.34-15	4.96-11.5	5.02-17.5	6.15-13.38	5.76-10.06					
		Response Zone Strata													
In-organics	Metals	Arsenic	µg/l	5.35	7.50	<0.12	<1.2	9.75	11.40	12.70	12.30		25.00		
		Barium	µg/l	36.00	129.00	34.40	59.10	21.20	42.90	68.80	13.90			1000.00	
		Beryllium	µg/l	<0.07	<0.07	<0.07	<0.7	<0.07	<0.07	<0.07	<0.07			none	none
		Boron	µg/l	127.00	247.00	82.50	127.00	346.00	83.90	512.00	100.00			7000.00	
		Cadmium	µg/l	0.10	0.19	0.12	<1	0.27	0.19	2.85	<0.1			2.50	
		Calcium	µg/l												
		Chromium (Total)	µg/l	2.68	3.84	2.75	9.73	2.94	1.45	6.41	1.79			15.00	
		Chromium (VI)	µg/l												
		Cobalt	µg/l												
		Copper	µg/l	5.05	4.29	6.12	<8.5	<0.85	7.05	15.00	6.02			5.00	
		Iron	µg/l	0.21	<0.019	<0.019	1.19	0.04	<0.019	<0.19	<0.019			1000.00	
		Lead	µg/l	1.05	0.17			0.86	0.62	4.85	0.50			25.00	
		Magnesium	µg/l												
		Mercury	µg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01			0.30	
		Molybdenum	µg/l												
	Nickel	µg/l	4.74	8.92	4.66	2.74	2.43	3.28	7.77	2.01			30.00		
	Selenium	µg/l	6.28	19.10	<0.39	<3.9	1.00	2.02	21.40	7.51				10.00	
	Vanadium	µg/l	0.92	<0.24	2.65	2.87	1.86	1.18	<0.24	5.29			100.00		
	Zinc	µg/l	15.70	669.00	162.00	<0.41	13.50	10.80	441.00	12.90			40.00		
	Non-metals	Cyanide (Free)	mg/l												
		Total Cyanide	mg/l												
		Cyanide (complex)	mg/l												
		Thiocyanate	mg/l												
		Sulphate (total) (BS1377)	mg/l	127.00	311.00	64.40	66.40	147.00	124.00	617	83.9			250000.00	
		Total Sulphur as Sulphate	mg/l												
		Sulphide	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
		Chloride	mg/l	342.00	1780.00	78.10	56.90	256.00	236.00	2900	51.7			250000.00	
		Total Ammonia as NH3	mg/l												
		Total Ammonium / NH4-N ¹	mg/l												
	Organics	TPH	Aliphatic C5-C6	µg/l	<10	<10	<10	<10	<10	<10	18.00	<10			15000.00
			Aliphatic C6-C8	µg/l	<10	156.00	1600.00	17.00	<10	<10	3850.00	<10			15000.00
			Aliphatic C8-C10	µg/l	<10	<10	<10	11.00	<10	<10	23.00	<10			300.00
			Aliphatic C10-C12	µg/l	<10	<10	<10	12.00	<10	<10	<10	<10			300.00
Aliphatic C12-C16			µg/l	75.00	26.00	<10	8350.00	<10	<10	56.00	122.00			300.00	
Aliphatic C16-C21			µg/l	15.00	<10	<10	137.00	22.00	<10	<10	12.00				
Aliphatic C21-C35			µg/l	115.00	<10	<10	61.00	426.00	145.00	141.00	39.00				
Aromatic C5-C7			µg/l	<10	<10	<10	<10	<10	<10	<10	<10			700.00	
Aromatic C7-C8			µg/l	<10	<10	<10	<10	<10	<10	<10	<10				
Aromatic C8-C10			µg/l	<10	<10	<10	<10	<10	<10	15.00	<10			500.00	
Aromatic C10-C12			µg/l	<10	<10	<10	<10	<10	<10	<10	<10			100.00	
Aromatic C12-C16			µg/l	<10	<10	<10	55.00	<10	<10	<10	<10			100.00	
Aromatic C16-C21			µg/l	<10	<10	<10	34.00	18.00	<10	<10	<10			90.00	
Aromatic C21-C35			µg/l	<10	<10	<10	662.00	195.00	26.00	55.00	<10			90.00	
BTEX			TPH (C6-C40)	µg/l											
		EPH (DRO) C10-C40	µg/l												
		C8-C10	µg/l												
		C10-C12	µg/l												
		C12-C16	µg/l												
		C16-C21	µg/l												
	C21-C35	µg/l													
	TPH Interpretation	µg/l													
	GRO (C4-C10)	µg/l													
	GRO (C10-C12)	µg/l													
	Benzene	µg/l	<7	<7	<7	<7	<7	<7	<7	<7			30		
	Toluene	µg/l	<4	<4	<4	<4	<4	<4	<4	<4			40		
	Ethyl Benzene	µg/l	<5	<5	<5	<5	<5	<5	<5	<5					
	Xylenes	µg/l	<8	<8	<8	<8	<8	<8	<8	<8			30		
	MTBE	µg/l													
Speciated PAHs (GC-FID)	Naphthalene	µg/l	<0.1	<0.1	<0.1	<0.1	0.22	<0.1	<0.1	<0.1			5		
	Acenaphthylene	µg/l	<0.011	<0.011	<0.011	0.10	0.07	<0.011	<0.011	<0.011					
	Acenaphthene	µg/l	<0.015	<0.015	<0.015	0.10	<0.03	<0.015	<0.015	<0.015					
	Fluorene	µg/l	<0.014	<0.014	<0.014	0.03	0.0525	<0.014	<0.014	<0.014					
	Phenanthrene	µg/l	<0.022	<0.022	<0.022	0.04	0.68	<0.022	<0.022	<0.022					
	Anthracene	µg/l	<0.015	<0.015	<0.015	<0.015	0.14	<0.015	<0.015	<0.015					
	Fluoranthene	µg/l	<0.0551	<0.017	<0.017	<0.017	1.51	0.04	0.0216	0.0563			1		
	Pyrene	µg/l	0.033	<0.015	<0.015	<0.015	1.580	0.061	0.0179	0.0699					
	Cyclopenta-cd-pyrene	µg/l													
	Benzo(a)anthracene	µg/l	<0.017	<0.017	<0.017	<0.017	1.02	0.02	<0.017	0.027					
	Chrysene	µg/l	<0.013	<0.013	<0.013	<0.013	1.30	0.03	<0.013	0.0279					
	Benzo-e-pyrene	µg/l													
	Benzo(b)fluoranthene	µg/l	<0.023	<0.023	<0.023	<0.023	2.3600	<0.023	<0.023	<0.023			0.03		
	Benzo(k)fluoranthene	µg/l	<0.027	<0.027	<0.027	<0.027	2.970	<0.027	<0.027	0.0282			0.03		
	Benzo(a)pyrene	µg/l	<0.009	<0.009	<0.009	<0.009	2.91	0.023	<0.009	0.0293			0.1		
	Indeno(1,2,3-cd)pyrene	µg/l	<0.014	<0.014	<0.014	<0.014	1.7500	0.0149	<0.014	0.0171			0.002		
	Di-benzo(a,h.)anthracene	µg/l	<0.016	<0.016	<0.016	<0.016	0.514	<0.016	<0.016	<0.016					
	Benzo(g,h,i.)Perylene	µg/l	<0.016	<0.016	<0.016	<0.016	2.2900	0.0205	<0.016	0.0251			0.0002		
	Anthanthrene	µg/l													
	Phenols	Phenol	µg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002				
Cresols		µg/l	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006					
Dimethylphenols		µg/l													
Trimethylphenols		µg/l													
Phenols		µg/l	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025					
Chlorinated Aliphatic	Dichloromethane	µg/l													
	Trichloromethane (Chloroform)	µg/l													
	Tetrachloromethane (Carbon Tetrachloride)	µg/l													
	1,2-Dichloroethane	µg/l													
	Chloroethene (Vinyl chloride)	µg/l													
	Trichloroethene	µg/l													
	1,1,1 Trichloroethane	µg/l													
	Hexachlorobuta-1,3-diene	µg/l													
	Tetrachloroethene	µg/l													
	PCBs (sum of & congeners)	µg/l													
General	Water Properties	Total Hardness	mg/l	288.00	293.00	130.00	558.00	531.00	265.00	1080	188				
		Total Organic Carbon	mg/l												
		Suspended Solids													
		Conductivity	µS												
		pH	pH units	7.98	8.75	7.77	8.57								

Notes:

1 In water most ammonia changes to the ammonium ion, however ammonia and ammonium can change back and forth in water. NH₃ is its most toxic form.