



**Appendix B  
Table 2  
Groundwater Analytical Results**

	Inorganics	Metals								TRH - NEPM 2013					TRH - NEPM 1999					PAH		Alkalinity		Major Ions					Nutrients								
	pH (Lab)	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Lead (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	C6-C10 minus BTEX (F1)	C6 - C10 Fraction	>C10-C16 minus Naphthalene (F2)	>C10 - C16 Fraction	>C16 - C34 Fraction (F3)	>C34 - C40 Fraction (F4)	C6 - C 9 Fraction	C10 - C14 Fraction	C15 - C28 Fraction	C29 - C36 Fraction	C10 - C36 (Sum of Total)	Naphthalene	Alkalinity (Carbonate as CaCO3)	Bicarbonate Alkalinity as CaCO3	Calcium	Chloride	Magnesium	Potassium	Sodium	Ammonia as N	Nitrate (as N)	Nitrite (as N)	Sulphate as S					
EQL	0.1	0.001	0.0001	0.001	0.001	0.001	0.0001	0.001	0.005	20	20	50	100	100	20	50	100	100	100	20	5	5	0.5	1	0.5	0.5	0.5	0.5	0.01	0.01	0.01	2					
ADWG 2011 Health Environmental Trigger Value (RAP GHD, 2011)		0.01	0.002		2	0.01	0.001	0.02													20	5							0.5								
Location Code	Sampled Date Time	Field ID	Monitoring Zone	Sample Type	4.6	<0.1	0.58	<0.1	2.3	65	<0.01	6.1	3400	<20	<20	200	200	200	<100	<20	100	400	<100	500	<20	<5	<5	2000	28,000	1300	110	4000	540	0.41	0.02	630	
GG1	19/06/2015	GG1		Normal	4	<0.1	0.63	<0.1	2.5	15	<0.01	7.9	2500	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	1500	34,000	1200	73	4600	46	<0.01	0.02	770	
GG10	19/06/2015	GG10		Normal	3.4	<0.1	0.16	<0.1	0.92	11	<0.01	6.2	1600	<20	<20	740	740	900	<100	<20	310	1500	<100	1800	<20	<5	<5	490	12,000	270	43	1200	660	1.1	0.01	790	
GG2	19/06/2015	GG2		Normal	1.4	0.15	1.9	23	22	92	<0.01	17	12,000	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	470	110,000	90	<50	600	830	0.12	0.1	200	
GG5	19/06/2015	GG5		Normal	6.4	0.003	<0.0001	<0.001	<0.001	<0.001	<0.0001	0.006	0.086	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	440	75	6300	480	20	3100	0.12	0.02	<0.01	310
GG7	19/06/2015	GG7		Normal	7.1	0.001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.001	0.019	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	470	26	1200	71	10	780	0.41	<0.01	<0.01	75
GG8	19/06/2015	GG8		Normal	4.8	<0.1	0.38	<0.1	<0.1	4.8	<0.01	3.2	1700	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	1500	29,000	1600	78	5900	100	<1	<1	650	
GG9	19/06/2015	GG9		Normal	-	0.008	0.23	0.003	0.008	5.6	<0.0001	4.9	1700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QA02	19/06/2015	QA02		Field D	6.9	<0.001	0.0002	<0.001	0.002	0.005	<0.0001	0.051	25	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	300	12	2500	65	11	1400	0.21	0.27	0.02	140
MW119	19/06/2015	MW119		Normal	6.7	<0.001	0.0001	<0.001	0.001	<0.001	<0.0001	0.01	0.09	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	680	6.3	3600	170	10	2200	0.08	0.07	<0.01	190
MW127	19/06/2015	MW127		Normal	3.8	0.025	1.1	<0.1	6	76	<0.01	9.3	5400	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	2400	38,000	1200	140	4400	1200	0.41	0.03	680	
MW134D	19/06/2015	MW134D		Normal	6.6	<0.001	0.0009	<0.001	0.003	<0.001	<0.0001	0.015	0.93	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	730	79	4000	320	12	2000	0.31	0.21	<0.01	210
MW134S	19/06/2015	MW134S		Normal	6.3	<0.001	0.0001	<0.001	<0.001	<0.001	<0.0001	0.01	0.12	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	280	19	5400	300	13	2600	<0.05	0.15	0.04	240
MW135	19/06/2015	MW135		Normal	5.5	<0.1	0.1	<0.1	<0.1	<0.1	<0.01	1.2	330	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	130	550	13,000	1100	37	4500	5.6	<0.01	<0.01	540
WS-MW5	19/06/2015	WS-MW5		Normal	6.9	<0.001	0.0001	<0.001	<0.001	<0.001	<0.0001	0.01	0.11	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	860	100	5700	430	19	2900	0.64	<0.01	<0.01	220
WS-MW7	19/06/2015	WS-MW7		Normal	4.8	<0.1	0.27	<0.1	<0.1	0.25	<0.01	2	1100	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	1100	23,000	1600	64	5100	46	<1	<1	580	
WS-MW8	19/06/2015	WS-MW8		Normal	-	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WS-MW9	19/06/2015	WS-MW9		Field D	6.9	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.0001	0.001	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	690	110	7500	490	18	3700	0.54	<0.01	<0.01	270
WS-MW9	19/06/2015	WS-MW9		Normal																																	

  

Statistical Summary																																										
Number of Results	16	18	18	18	18	18	18	18	18	18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	16	16	16	16	16	16	16	16	16	16	16	16				
Number of Detects	16	5	14	2	9	9	0	16	16	0	0	2	2	2	0	0	2	2	0	0	2	2	0	0	0	0	0	9	16	16	16	16	16	16	16	16	16	16	16	16		
Minimum Concentration	1.4	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.005	<20	<20	200	200	200	<100	<20	100	400	<100	500	<20	<5	<5	6.3	1200	65	10	600	<0.05	<0.01	<0.01	75	75	75	75	75	75	75	75	75	75	
Minimum Detect	1.4	0.001	0.0001	0.003	0.001	0.005	ND	0.001	0.019	ND	ND	200	200	200	ND	ND	100	400	ND	500	ND	ND	130	6.3	1200	65	10	600	0.08	0.02	0.01	75	75	75	75	75	75	75	75	75	75	75
Maximum Concentration	7.1	0.15	1.9	23	22	92	<0.01	17	12000	<20	<20	740	740	900	<100	<20	310	1500	<100	1800	<20	<5	860	2400	110000	1600	140	5900	1200	1.1	<1	<1	790	790	790	790	790	790	790	790	790	790
Maximum Detect	7.1	0.15	1.9	23	22	92	ND	17	12000	ND	ND	740	740	900	ND	ND	310	1500	ND	1800	ND	ND	860	2400	110000	1600	140	5900	1200	1.1	0.1	0.1	790	790	790	790	790	790	790	790	790	790
Average Concentration	5.4	0.027	0.3	1.3	1.9	15	0.0023	3.2	1653			740	740	900			310	1500		1800			2.5	287	652	20200	668	43	3061	196	0.24	0.08	406	406	406	406	406	406	406	406	406	406
Median Concentration	5.9	0.0055	0.05045	0.00175	0.0055	0.0275	0.00005	0.6255	177.5	10	10	470	470	550	50	10	205	950	50	1150	10	2.5	205	290	9750	455	22.5	3000	3.12	0.135	0.015	290	290	290	290	290	290	290	290	290	290	
Standard Deviation	1.6	0.038	0.5	5.4	5.3	30	0.0025	4.6	2985			470	470	550	50	10	205	950	50	1150	10	2.5	205	290	9750	455	22.5	3000	3.12	0.135	0.015	290	290	290	290	290	290	290	290	290		
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Number of Guideline Exceedances(Detects Only)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			