



Appendix B
Table 2
Groundwater Analytical Results

	Inorganics	Metals								TRH - NEPM 2013							TRH - NEPM 1999						BTEX & MAH					PAH	Alkalinity			Major Ions					Ammonia as N	Nitrate (as N)	Nitrite (as N)	Sulphate as S									
		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)	>C10 - C40 (Sum of Total) - Calc	C6 - C 9 Fraction	C10 - C14 Fraction	C15 - C28 Fraction	C29 - C36 Fraction	C10 - C36 (Sum of Total)	C10 - C36 (Sum of Total) - Calc	Benzene	Toluene	Ethylbenzene	Xylene (o)		Xylene (m & p)	Xylene Total	Naphthalene	Alkalinity (Carbonate as CaCO3)	Alkalinity (total as CaCO3)	Bicarbonate Alkalinity as CaCO3	Calcium	Chloride					Magnesium	Potassium	Sodium	Sulphate					
EQL		0.1	0.001	0.0001	0.001	0.001	0.001	0.0001	0.001	20	20	50	50	100	100		20	50	100	100	100	100	100	1	1	1	1	2	3	10	10	5	20	0.5	1	0.5	0.5	0.5	2	0.01	0.02	0.02	5						
ADWG 2015 Health			0.01	0.002		2	0.01	0.001	0.02														1	800	300			600														500							
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																																																	
2-4m										6000 ^{#1}	NL												5000	NL	NL		NL	NL																					
4-8m										6000 ^{#1}	NL												5000	NL	NL		NL	NL																					
Environmental Trigger Value (RAP, GHD 2011)			0.013	0.0121		0.07	1.18	0.00006	0.55	0.4																																				0.9			

Field ID	Location Code	Sampled Date Time	4.5	0.011	0.28	<0.001	0.45	23	0.0025	4	2100	<20	<20	<50	<50	<100	<100	0 ^{#1}	<20	<50	<100	<100	<100	-	<1	<1	<1	<1	<2	<3	<10	-	<5	-	1700	26,000	2100	71	6400	1000	380	0.26	<0.02	-	
GG1	GG1	22/03/2017	-	0.011	0.28	<0.001	0.23	22	<0.05	4	2200	<20	<20	<50	<50	<100	<100	0 ^{#1}	<20	<50	<100	<100	<100	-	<1	<1	<1	<1	<2	<3	<10	-	<5	-	-	-	-	-	-	-	-	420	-	-	-
QA02	GG1	22/03/2017	-	0.011	0.28	<0.001	0.23	22	<0.05	4	2200	<20	<20	<50	<50	<100	<100	0 ^{#1}	<20	<50	<100	<100	<100	-	<1	<1	<1	<1	<2	<3	<10	-	<5	-	-	-	-	-	-	-	-	-	-	-	-
GG10	GG10	22/03/2017	4	0.047	0.65	<0.01	3.2	17	0.0066	8.8	4300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GG2	GG2	22/03/2017	4.3	0.019	0.1	0.12	1.3	15	<0.05	3.1	1500	<20	<20	1800	1800	1400	<100	3200 ^{#1}	<20	1000	2600	<100	3600	-	<1	<1	<1	<1	<2	<3	<10	-	<5	-	870	18,000	1000	35	4300	1300	780	0.44	0.02	-	
GG5	GG5	22/03/2017	1.7	0.1	1.6	18	21	76	<0.05	16	16,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6500	98,000	1100	53	7100	120	800	0.73	0.3	-		
GG7	GG7	22/03/2017	6.5	<0.01	<0.002	<0.01	<0.01	<0.01	<0.05	0.64	16,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	410	100	2900	620	20	3800	330	0.24	<0.02	<0.02	-		
GG8	GG8	22/03/2017	6.9	<0.01	<0.002	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	720	110	1800	390	17	2800	260	0.8	<0.02	<0.02	-		
GG9	GG9	22/03/2017	5.6	<0.01	0.046	<0.01	<0.01	<0.01	<0.05	1	530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	500	13,000	1000	18	4200	780	58	<0.02	<0.02	-		
MW119	MW119	22/03/2017	6.8	<0.01	<0.002	<0.01	<0.01	<0.01	<0.05	0.025	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210	12	2600	84	9.7	1800	400	0.04	1.3	<0.02	-		
MW127	MW127	22/03/2017	6.9	<0.01	<0.002	0.34	<0.01	<0.01	<0.05	<0.05	0.052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	310	2.4	1800	52	3	1300	160	0.03	2	0.18	-		
MW134D	MW134D	22/03/2017	3.5	0.062	2	<0.01	9.1	200	0.063	18	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	7700	80,000	5400	310	9300	220	1700	1.6	0.04	-		
MW134S	MW134S	22/03/2017	6.8	<0.01	<0.002	<0.01	<0.01	<0.01	<0.05	0.001	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	480	110	4900	480	14	2700	780	0.12	1.7	<0.02	-		
MW135	MW135	22/03/2017	6.3	<0.01	<0.002	<0.01	<0.01	0.12	<0.05	0.017	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220	29	5700	380	12	3300	640	0.52	0.1	<0.02	-			
WS-MW5	WS-MW5	22/03/2017	6.7	<0.01	<0.002	<0.01	<0.01	<0.01	<0.05	0.03	2.4	<20	<20	<50	<50	<100	<100	0 ^{#1}	<20	<50	<100	<100	<100	-	<1	<1	<1	<1	<2	<3	<10	-	450	210	9300	740	25	4500	830	3.3	<0.02	<0.02	-		
WS-MW6	WS-MW6	22/03/2017	6.8	<0.01	<0.002	<0.01	<0.01	<0.01	<0.05	<0.05	0.055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330	79	5100	390	14	2700	300	0.34	<0.02	<0.02	-		
WS-MW7	WS-MW7	22/03/2017	6.9	<0.01	<0.002	<0.01	<0.01	<0.01	<0.05	<0.05	0.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	690	120	6200	510	17	3200	620	0.59	<0.02	<0.02	-		
WS-MW8	WS-MW8	22/03/2017	5.3	<0.01	0.057	<0.01	<0.01	0.048	<0.05	0.8	540	<20	<20	<50	<50	<100	<100	0 ^{#1}	<20	<50	<100	<100	<100	-	<1	<1	<1	<1	<2	<3	<10	-	29	540	17,000	1400	20	5700	1000	28	<0.02	<0.02	-		
QA01	WS-MW8	22/03/2017	-	0.002	0.067	0.001	<0.001	0.054	<0.00005	0.7	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WS-MW9	WS-MW9	22/03/2017	6.9	<0.001	<0.002	<0.01	<0.01	<0.01	<0.05	<0.05	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	540	120	8400	600	15	4200	730	0.63	<0.02	<0.02	-		

Statistical Summary	17	19	19	19	19	19	19	19	19	19	19	5	5	5	5	5	5	5	5	5	5	5	5	0	5	5	5	5	5	5	5	0	17	0	17	17	17	17	17	17	17	17	17	19	17	17	0
Number of Results	17	19	19	19	19	19	19	19	19	19	19	5	5	5	5	5	5	5	5	5	5	5	5	0	5	5	5	5	5	5	5	0	17	0	17	17	17	17	17	17	17	17	17	19	17	17	0
Number of Detects	17	7	9	4	6	10	3	13	18	18	0	0	1	1	1	0	5	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	12	0	17	17	17	17	17	17	17	17	19	8	4	0	
Minimum Concentration	1.7	<0.001	<0.002	<0.001	<0.001	<0.01	<0.00005	0.001	0.029	<20	<20	<50	<50	<100	<100	<0	<20	<50	<100	<100	<100	<100	99999	<1	<1	<1	<1	<2	<3	<10	99999	<5	99999	2.4	1800	52	3	1300	120	0.03	<0.02	<0.02	99999				
Minimum Detect	1.7	0.002	0.046	0.001	0.23	0.048	0.0025	0.001	0.029	ND	ND	1800	1800	1400	ND	3200	ND	1000	2600	ND	3600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	2.4	1800	52	3	1300	120	0.03							