				Inorganics	Acidity & Alkalinity		Major Ions						Nutrients				Metals								BTEXN							TRH - NEPM 2013								TRH - NEPM 1999					
				pH (Lab)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Bicarbonate as CaCO3)	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Ammonia as N	Nitrate (as N)	Nitrite (as N)	Ammonia	Arsenic (filtered)	Cadmium (filtered)	Chromium (6+/VI) (filtered)	Copper (filtered)	Lead (filtered)	Mercury (filtered)	Nickel (filtered)	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16 -C34 Fraction)	F4 (>C34 -C40 Fraction)	>C10-C40 (Sum of Total)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total)
				pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.1	10	20	0.5	0.5	0.5	0.5	1	5	0.01	0.02	0.02	0.005	0.001	0.0001	0.001	0.001	0.001	5E-05	0.001	0.001	1	1	1	1	2	3	10	20	20	50	50	100	100	100	20	50	100	100	100
Environmental Trigger Value (RAP GHD, 2011)													0.9				0.013	0.0121		0.07	1.18	0.55	0.4																				
ADWG 2011 Health (v3.5 updated 2018)[#1]												**500[#2]**		**11.3[#3]**	**0.91[#4]**		**0.01**	**0.002**		**2**	**0.01**	**0.001**	**0.02**		**1**	**800**	**300**			**600**														
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																																												
2-4m																									5,000	NL	NL			NL	NL	6,000[#5]		NL									
4-8m																									5,000	NL	NL			NL	NL	6,000[#5]		NL									
>8m																									5,000	NL	NL			NL	NL	7,000[#5]		NL									
Location	**Field ID**	**Date**	**Sample Ty**	**Lab Repo**	**Matrix Type**																																							
GG1	GG1	20/03/2019	Normal	646366	water	5.8	<10	62	690	860	58	6,500	13,000	**570**	510	<10	0.19		**<0.2**	**0.20**	<0.2	0.15	**12**	**<0.02**	**2.1**	1,200	<1	<1	<1	<1	<2	<3	<10	20	20	150	150	100	<100	250	<20	300	100	<100	400
GG1	QA02	20/03/2019	Field_D	646366	water									460					**<0.2**	**0.21**	<0.2	0.21	**13**	**<0.02**	**2.4**	1,200	<1	<1	<1	<1	<2	<3	<10	20	20	150	150	<100	<100	150	<20	300	100	<100	400
GG2	GG2	20/03/2019	Normal	646366	water	3.0	<10	<20	740	340	65	5,100	11,000	**660**	590	0.99	0.03		**0.086**	**0.079**	<0.05	0.55	**8.1**	<0.005	**6.1**	1,800	1	<1	<1	<1	<2	<3	<10	<20	<20	2,000	2,000	1,300	<100	3,300	<20	1,300	2,400	<100	3,700
GG5	GG5	20/03/2019	Normal	646366	water	1.5	<10	<20	6,700	940	72	25,000	880,000	**1,800**	760	3.3	**2.8**		**0.20**	**1.3**	19	**31**	**78**	**<0.4**	**18**	12,000																			
GG7	GG7	20/03/2019	Normal	646366	water	7.2	<10	450	50	360	17	2,900	4,900	**840**	0.49	<0.02	0.02		0.002	<0.0002	<0.001	0.005	<0.001	<0.0001	0.007	0.12																			
GG8	GG8	20/03/2019	Normal	646366	water	7.9	<10	800	82	260	14	2,400	3,900	**810**	0.06	<0.02	<0.02		0.001	<0.0002	<0.001	0.007	<0.001	<0.0001	0.004	0.032																			
GG9	GG9	20/03/2019	Normal	646366	water	4.8	<10	<20	770	1,400	49	8,900	21,000	**1,000**	72	<0.02	<0.02		**<0.2**	**0.18**	<0.2	<0.2	**1.7**	**<0.02**	**1.8**	900																			
GG10	GG10	20/03/2019	Normal	646366	water	2.9	<10	<20	2,600	2,300	130	16,000	39,000	**740**	160	<0.02	<0.02		**<0.2**	**0.83**	<0.2	**4.7**	**24**	**<0.02**	**12**	4,900																			
MW119	MW119	20/03/2019	Normal	646366	water	7.0	<10	250	5.6	67	9.9	1,800	2,500	400	<0.01	1.0	<0.02		<0.001	0.0003	0.005	0.030	0.006	<0.0001	**0.031**	11																			
MW127	MW127	20/03/2019	Normal	646366	water	7.5	<10	300	<5	23	<5	800	1,100	99	<0.01	4.1	<0.02		<0.001	<0.0002	1.6	0.014	0.001	<0.0001	0.005	0.067																			
MW134D	MW134D	20/03/2019	Normal	646366	water	3.4	<10	210	2,600	2,100	140	15,000	34,000	**820**	1,700	1.3	<0.02		**0.038**	**0.83**	<0.02	**4.0**	**79**	**<0.002**	**8.0**	3,800																			
MW134S	MW134S	20/03/2019	Normal	646366	water	7.8	<10	770	61	270	10	2,100	3,100	**900**	0.04	0.40	<0.02		<0.001	0.0007	0.002	0.031	0.005	<0.0001	0.016	2.0																			
MW135	MW135	20/03/2019	Normal	646366	water	7.1	<10	330	23	420	14	3,800	6,800	**850**	<0.01	<0.02	<0.02		<0.001	<0.0002	<0.001	0.012	0.002	<0.0001	0.012	0.43																			
WS-MW5	WS-MW5	20/03/2019	Normal	646366	water	7.9	<10	730	150	570	22	4,300	8,300	**950**	2.1	<0.02	<0.02		<0.001	<0.0002	<0.001	0.025	0.003	<0.0001	0.006	0.39	<1	<1	<1	<1	<2	<3	<10	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100
WS-MW6	WS-MW6	20/03/2019	Normal	646366	water	7.8	<10	410	71	350	14	2,600	5,900	**840**	0.52	0.21	<0.02		0.001	<0.0002	<0.001	0.011	0.002	<0.0001	0.006	0.082																			
WS-MW7	WS-MW7	20/03/2019	Normal	646366	water	7.8	<10	870	120	480	17	3,300	6,300	**760**	0.95	<0.02	<0.02		<0.001	<0.0002	<0.001	0.013	<0.001	<0.0001	0.004	0.037																			
WS-MW8	QA01	20/03/2019	Interlab_D	213944	water													6.0	0.002	**0.021**	<0.001	0.002	**0.037**	<0.00006	**0.35**	270																			
WS-MW8	WS-MW8	20/03/2019	Normal	646366	water	5.8	<10	41	320	780	38	4,200	9,700	**550**	14	<0.02	<0.02		**<0.2**	**0.027**	<0.2	<0.2	<0.2	**<0.02**	**0.44**	250	<1	<1	<1	<1	<2	<3	<10	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100

Environmental Standards Comments

#1: National Health and Medical Research Council, August 2018, ADWG 2011 Health (v3.5 updated 2018)

#2: Not specifically guideline value: >500 mg/L can have purgative effects

#3: Guideline value calculated by dividing Nitrate (as Nitrate) value (50 mg/L) by 4.427

#4: Guideline value calculated by dividing Nitrite (as Nitrite) value (0.3 mg/L) by molecular weight (3.2967033)

#5: To obtain F1 subtract the suim of BTEX concentrations from the C6-C10 fraction.