



Appendix B
Table 2
Groundwater Analytical Results - September 2022 to September 2023

	Inorganics		Acidity & Alkalinity				Major Ions						Nutrients					Metals							BTEXN						TRH - NEPM 2013						TRH - NEPM 1999										
	pH (Lab)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Hydroxide as CaCO3)	Alkalinity (total as CaCO3)	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Ammonia as N	Ammonia as N (Filtered)	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total Oxidised) (as N)	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Lead (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN suite)	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)				
EQL	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	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	
ADWG 2011 Health (v3.7 updated 2022)	0.1	10	20	20	20	0.5	0.5	0.5	0.5	1	2	0.01	0.005	0.02	0.02	0.05	0.001	0.0002	0.001	0.001	0.001	0.0001	0.001	0.005	1	1	1	1	2	3	10	20	20	50	50	100	100	100	20	50	100	100	100	100			
Environmental Trigger Value (GHD, 2011)											500 ^{#1}			11.29 ^{#2}	0.91 ^{#3}		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											0.9					0.013		0.012	0.07	1.18		0.55	0.4																								
2-4m																								5000	NL ^{#4}	NL ^{#4}			NL ^{#4}	NL ^{#4}	6000 ^{#5}		NL ^{#4}														
4-8m																								5000	NL ^{#4}	NL ^{#4}			NL ^{#4}	NL ^{#4}	6000 ^{#5}		NL ^{#4}														
>8m																								5000	NL ^{#4}	NL ^{#4}			NL ^{#4}	NL ^{#4}	7000 ^{#5}		NL ^{#4}														

Location Code Field ID Sample Date Lab Report Number Sample Type
 #1 The LORs have been raised due to the high concentration of one or more analytes