

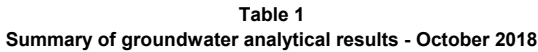
Table 2
Summary of groundwater field parameters - October 2018

Well ID	Sampling Event	Date Measured	SWL (mbTOC)	BOC (mbTOC)	Dissolved Oxygen (ppm)	Electrical Conductivity (us/cm)	pH	Ox-Red Potential (mV)	Temperature (°C)
SRT_BH039	Event 2 - Oct 2018	26/10/2018	16.317	22.52	0.19	4286	12.07	-244.4	21
SRT_BH047	Event 2 - Oct 2018	25/10/2018	3.784	6.91	1.83	438.1	7.51	77.1	19.5
SRT_BH048	Event 2 - Oct 2018	26/10/2018	3.845	6.4	5.18	236.1	5.44	146.2	19.4
SRT_BH052	Event 2 - Oct 2018	25/10/2018	4.955	7.89	4.6	262	5.96	113	20
SRT_BH053	Event 2 - Oct 2018	25/10/2018	4.95	9.92	0.06	330.5	6.34	6.9	20
SRT_BH059	Event 2 - Oct 2018	25/10/2018	3.03	6.02	2.71	387.9	6.95	87.9	19.4
SRT_BH063	Event 2 - Oct 2018	26/10/2018	10.67	14.54	2.56	730	6.6	47.6	21.4
SRT_BH082	Event 2 - Oct 2018	25/10/2018	4.625	7.94	0.24	185.2	5.14	151.5	19.9
SRT_CBH001	Event 2 - Oct 2018	26/10/2018	5.748	8.05	2.04	198.1	5.07	166	20.1
SRT_CBH015	Event 2 - Oct 2018	25/10/2018	3.67	5.92	0.48	259.7	5.59	126.7	19.9
SRT_CBH017	Event 2 - Oct 2018	25/10/2018	2.88	4.94	1.89	155	6.08	108.2	19.6



Table 1
Summary of groundwater analytical results - October 2018

				Iron speciation	Inorganics	idity & Alkalin	Major Ions							Nutrients		Metals								BTEXN								TRH - NEPM 2013								NEPM 2013 - SG Cle			
				Ferrous Iron	Cyanide (Total)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Bicarbonate as CaCO3)	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Ammonia as N	Nitrate (as N)	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Lead (Filtered)	Manganese (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	BTEX (Sum of Total) - Lab Calc	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)	>C10-C16 SG Cleanup	>C16-C34 SG Cleanup	>C34-C40 SG Cleanup	
				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
EQL				0.05	0.005	10	20	0.5	0.5	0.5	0.5	1	5	0.01	0.02	0.001	0.0002	0.001	0.001	0.001	0.005	0.0001	0.001	0.005	1	1	1	1	2	3	10	1	20	20	50	50	100	100	100	50	100	100	
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																																											
2-4m																									5000	NL	NL			NL	NL		6000		NL								
4-8m																									5000	NL	NL			NL	NL		6000		NL								
>8m																									5000	NL	NL			NL	NL		7000		NL								
NEPM 2013 Table 1C GILs, Marine Waters					0.004												0.0007	0.0044	0.0013	0.0044		0.0001	0.007	0.015	500					NL	50												
Sydney Water Trade Waste Acceptance Standards 2018-19 (non-domestic)					1											1	1	3	5	2	10	0.03	3	5	100	500	1000			1000													
Field_ID	Location_Code	Sampled_Date_Time	Sample_Type																																								
QA01	SRT_BH082	25/10/2018	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	<0.0002	<0.001	<0.001	<0.001	-	<0.0001	0.001	0.009	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	-	-	-
QA02	SRT_BH039	26/10/2018	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	<0.0001	0.001	0.002	<0.001	-	<0.0001	0.002	<0.005	<1	<2	<2	<2	<2	<2	-	<1	<20	<20	<100	<100	220	<100	220	-	-	-	
SRT-BH039	SRT_BH039	25/10/2018	Normal	<0.05	<0.005	70	<20	460	<0.5	110	98	45	720	1	0.05	<0.001	<0.0002	0.001	0.008	<0.001	<0.005	<0.0001	0.006	0.027	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100
SRT-BH047	SRT_BH047	25/10/2018	Normal	<0.05	<0.005	<10	160	58	6.1	0.9	32	25	14	<0.01	18	<0.001	<0.0002	<0.001	0.004	<0.001	<0.005	<0.0001	<0.001	0.005	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100
SRT-BH048	SRT_BH048	25/10/2018	Normal	<0.05	<0.005	<10	<20	3.7	1.8	1.6	39	34	48	<0.01	0.12	<0.001	<0.0002	<0.001	0.13	0.006	0.55	<0.0001	0.017	0.18	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100
SRT-BH052	SRT_BH052	25/10/2018	Normal	<0.05	<0.005	<10	38	14	3.7	1	41	22	20	<0.01	10	<0.001	<0.0002	<0.001	0.063	0.005	0.036	<0.0001	0.008	0.086	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100
SRT-BH053	SRT_BH053	25/10/2018	Normal	<0.05	<0.005	<10	52	5.1	4.9	2.5	33	26	27	<0.01	0.39	<0.001	<0.0002	<0.001	0.004	<0.001	1	<0.0001	0.046	0.022	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100
SRT-BH059	SRT_BH059	25/10/2018	Normal	<0.05	<0.005	<10	180	63	7.9	6.6	12	13	17	<0.01	3.5	<0.001	<0.0002	0.001	0.018	0.002	<0.005	<0.0001	0.004	0.027	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100
SRT-BH063	SRT_BH063	25/10/2018	Normal	<0.05	<0.005	<10	270	50	30	5.5	68	53	53	<0.01	0.09	<0.001	<0.0002	<0.001	0.12	0.005	0.049	<0.0001	0.083	0.21	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100
SRT-BH082	SRT_BH082	25/10/2018	Normal	0.16	<0.005	<10	<20	2.9	4	1.3	27	16	36	<0.01	0.34	<0.001	<0.0002	<0.001	<0.001	<0.001	0.054	<0.0001	0.001	0.009	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100
SRT-CBH001	SRT_CBH001	25/10/2018	Normal	<0.05	<0.005	<10	<20	5.9	4.4	1.6	24	17	32	<0.01	7.1	<0.001	<0.0002	<0.001	0.13	0.004	0.62	<0.0001	0.014	0.22	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100
SRT-CBH015	SRT_CBH015	25/10/2018	Normal	<0.05	<0.005	<10	49	3.1	4.8	3.2	35	9.8	49	<0.01	2.7	<0.001	<0.0002	<0.001	0.034	0.004	5.2	<0.0001	0.016	0.073	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100
SRT-CBH017	SRT_CBH017	25/10/2018	Normal	<0.05	<0.005	<10	65	13	6	2.9	14	8.8	19	<0.01	0.62	<0.001	<0.0002	<0.001	0.081	0.004	0.85	<0.0001	0.01	0.12	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<50	<100	<100



CSM_Groundwater_Results_Event02_Oct_2018.xlsm, 7/01/2019
[Filter]



Table 1
Summary of groundwater analytical results - October 2018

				OC Pesticides																				OP Pesticides																																									
				4,4-DDE	α-BHC	Aldrin	Aldrin + Dieldrin	β-BHC	Chlordane	δ-BHC	4,4 DDD	4,4 DDT	DDT+DDE+DDD - Lab Calc	Dieldrin	Endosulfan I (alpha)	Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Tokuthion	Azinphos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Counaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos															
				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	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	0.1	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10	2	2	2	2	20	2	20	2	20	2	20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2										
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																																																																	
2-4m																																																																	
4-8m																																																																	
>8m																																																																	
NEPM 2013 Table 1C GILs, Marine Waters																		0.004													0.009																																		
Sydney Water Trade Waste Acceptance Standards 2018-19 (non-domestic)																																																																	
Field_ID	Location_Code	Sampled_Date_Time	Sample_Type																																																														
QA01	SRT_BH082	25/10/2018	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
QA02	SRT_BH039	26/10/2018	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SRT-BH039	SRT_BH039	25/10/2018	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2						
SRT-BH047	SRT_BH047	25/10/2018	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				
SRT-BH048	SRT_BH048	25/10/2018	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				
SRT-BH052	SRT_BH052	25/10/2018	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				
SRT-BH053	SRT_BH053	25/10/2018	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
SRT-BH059	SRT_BH059	25/10/2018	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
SRT-BH063	SRT_BH063	25/10/2018	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
SRT-BH082	SRT_BH082	25/10/2018	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SRT-CBH001	SRT_CBH001	25/10/2018	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SRT-CBH015	SRT_CBH015	25/10/2018	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2					



Table 1
Summary of groundwater analytical results - October 2018

														PCBs								Herbicides
				Naled (Dibrom)	Omethoate	Parathion	Phorate	Pirimiphos-methyl	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Total)	Dinoseb
				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				2	2	2	2	20	2	2	2	2	2	1	1	1	1	1	1	1	100	
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																						
2-4m																						
4-8m																						
>8m																						
NEPM 2013 Table 1C GILs, Marine Waters																						
Sydney Water Trade Waste Acceptance Standards 2018-19 (non-domestic)																						

Field_ID	Location_Code	Sampled_Date_Time	Sample_Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA01	SRT_BH082	25/10/2018	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02	SRT_BH039	26/10/2018	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SRT-BH039	SRT_BH039	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100
SRT-BH047	SRT_BH047	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100
SRT-BH048	SRT_BH048	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100
SRT-BH052	SRT_BH052	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100
SRT-BH053	SRT_BH053	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100
SRT-BH059	SRT_BH059	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100
SRT-BH063	SRT_BH063	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100
SRT-BH082	SRT_BH082	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100
SRT-CBH001	SRT_CBH001	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100
SRT-CBH015	SRT_CBH015	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100
SRT-CBH017	SRT_CBH017	25/10/2018	Normal	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<100