

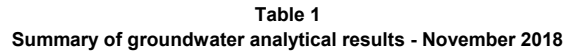
Table 2
Summary of groundwater field parameters - November 2018

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_BH047	Event 3 - Nov 2018	26/11/2018	4.86	6.95	0.92	411.6	7.29	-38.1	19.8
SRT_BH048	Event 3 - Nov 2018	26/11/2018	4.335	6.36	1.95	226.7	5.93	32.8	19.9
SRT_BH052	Event 3 - Nov 2018	26/11/2018	5.384	7.89	4.8	308	6.4	3.7	20.2
SRT_BH059	Event 3 - Nov 2018	26/11/2018	3.96	6	4.02	384	6.72	17.6	20.2
SRT_BH063	Event 3 - Nov 2018	27/11/2018	10.75	14.54	2.5	707	6.51	25	21.5
SRT_BH082	Event 3 - Nov 2018	26/11/2018	4.95	7.93	0.15	175.8	5.44	14.9	20.2
SRT_CBH001	Event 3 - Nov 2018	26/11/2018	6.045	8.03	2.26	191.6	6.19	-675.8	21.2
SRT_CBH015	Event 3 - Nov 2018	27/11/2018	3.77	5.91	0.11	207.9	5.53	-50.9	20.1
SRT_CBH017	Event 3 - Nov 2018	26/11/2018	2.938	4.93	1.4	149.4	5.9	14.4	20.3



Table 1
Summary of groundwater analytical results - November 2018

	Inorganics		Acidity & Alkalinity		Major Ions						Nutrients		Metals						BTEXN						TRH - NEPM 2013								NEPM 2013 - SG Cleanup			TRH - NEPM 1999										
	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)	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	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction					
	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				
EQL	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	0.0001	0.001	0.005	1	1	1	1	2	3	10	1	20	20	50	50	100	100	100	50	100	100	20	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						50																				
Sydney Water Trade Waste Acceptance Standards 2018-19 (non-domestic)	1											1	1	3	5	2	0.03	3	5	100	500	1000			1000																					
Field_ID	Location_Code	Sampled_Date_Time		Sample_Type																																										
QA01	SRT_BH082	26/11/2018		Field_D		-	-	-	-	-	-	-	-	<0.001	<0.0002	<0.001	0.073	0.013	<0.0001	0.01	0.17	<1	<1	<1	<1	<2	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100		
QA02	SRT_BH063	27/11/2018		Interlab_D		-	-	-	-	-	-	-	-	<0.001	<0.0001	<0.001	0.002	<0.001	<0.0001	0.008	0.016	<1	<2	<2	<2	<2	<2	<2	-	<1	<20	<20	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100		
SRT_BH047	SRT_BH047	26/11/2018		Normal		<0.005	<10	170	53	6.9	0.9	31	39	12	<0.01	17	<0.001	<0.0002	<0.001	0.022	0.002	<0.0001	0.005	0.039	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<100	<100	<100	<100	<100	
SRT_BH048	SRT_BH048	26/11/2018		Normal		<0.005	<10	27	5.2	2.5	1.6	36	51	49	<0.01	0.1	<0.001	<0.0002	<0.001	0.045	0.005	<0.0001	0.011	0.086	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<100	<100	<100	<100	<100	
SRT_BH052	SRT_BH052	26/11/2018		Normal		<0.005	<10	73	18	3.7	1	40	41	27	<0.01	9.2	<0.001	<0.0002	<0.001	0.022	0.003	<0.0001	0.006	0.085	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<100	<100	<100	<100	<100	
SRT_BH059	SRT_BH059	26/11/2018		Normal		<0.005	<10	210	58	7.4	5.5	9	34	13	<0.01	2.3	<0.001	<0.0002	0.001	0.042	0.003	<0.0001	0.008	0.077	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	3100	3100	2900	800	6800	<50	100	<100	<20	2900	2600	900
SRT_BH063	SRT_BH063	26/11/2018		Normal		<0.005	<10	320	48	31	5	63	68	52	<0.01	0.1	<0.001	<0.0002	<0.001	0.027	0.003	<0.0001	0.014	0.067	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	730	730	1100	200	2030	<50	<100	<100	<20	620	1000	300
SRT_BH082	SRT_BH082	26/11/2018		Normal		<0.005	<10	<20	2.3	3.6	1.1	25	38	31	<0.01	0.36	<0.001	<0.0002	<0.001	0.007	0.002	<0.0001	0.002	0.021	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<100	<100	<100	<100	<100	
SRT_CBH001	SRT_CBH001	26/11/2018		Normal		<0.005	<10	<20	6.6	4.9	1.6	21	35	32	<0.01	7.8	<0.001	<0.0002	<0.001	0.042	0.003	<0.0001	0.012	0.094	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	510	510	1000	300	1810	<50	<100	<100	<20	140	800	400
SRT_CBH015	SRT_CBH015	26/11/2018		Normal		<0.005	<10	30	2.9	5.3	3.8	24	11	45	<0.01	3.5	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.009	0.02	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<100	<100	<100	<100	<100	
SRT_CBH017	SRT_CBH017	26/11/2018		Normal		<0.005	<10	84	15	6.7	2.7	13	16	18	<0.01	0.38	<0.001	<0.0002	<0.001	0.12	0.006	<0.0001	0.016	0.21	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	<100	<100	<100	<100	<100	



CSM_Groundwater_Results_Event03_Nov_2018.xlsm , 7/01/2019
[Filter]



Table 1
Summary of groundwater analytical results - November 2018

		OC Pesticides																				OP Pesticides																																		
		a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	4,4 DDD	4,4 DDT	DDT+DDE+DDD - Lab Calc	Dieldrin	Endosulfan I (alpha)	Endosulfan I (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Tokuthion	Azinphos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenitrothion	Fensulfathion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate							
		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	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	2	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	26/11/2018	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
QA02	SRT_BH063	27/11/2018	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
SRT_BH047	SRT_BH047	26/11/2018	Normal	<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	<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				
SRT_BH048	SRT_BH048	26/11/2018	Normal	<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	<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			
SRT_BH052	SRT_BH052	26/11/2018	Normal	<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	<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			
SRT_BH059	SRT_BH059	26/11/2018	Normal	<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	<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			
SRT_BH063	SRT_BH063	26/11/2018	Normal	<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	<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		
SRT_BH082	SRT_BH082	26/11/2018	Normal	<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	<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		
SRT_CBH001	SRT_CBH001	26/11/2018	Normal	<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	<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		
SRT_CBH015	SRT_CBH015	26/11/2018	Normal	<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	<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	
SRT_CBH017	SRT_CBH017	26/11/2018	Normal	<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	<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



Table 1
Summary of groundwater analytical results - November 2018

				PCBs																Herbicides
				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	20	2	2	2	2	2	1	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	26/11/2018	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02	SRT_BH063	27/11/2018	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SRT_BH047	SRT_BH047	26/11/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_BH048	SRT_BH048	26/11/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_BH052	SRT_BH052	26/11/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_BH059	SRT_BH059	26/11/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	0	<100
SRT_BH063	SRT_BH063	26/11/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_BH082	SRT_BH082	26/11/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_CBH001	SRT_CBH001	26/11/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_CBH015	SRT_CBH015	26/11/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_CBH017	SRT_CBH017	26/11/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100