

Table 2
Summary of groundwater field parameters - September 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 1 - Sept 2018	7/09/2018	17.085	22.62	4.12	3114	11.83	-142	20
SRT_BH047	Event 1 - Sept 2018	6/09/2018	5.026	6.96	2.14	433.3	7.08	-89.5	19.6
SRT_BH048	Event 1 - Sept 2018	6/09/2018	4.825	6.39	2.91	228.6	5.27	-52.1	19.9
SRT_BH053	Event 1 - Sept 2018	6/09/2018	5.55	9.91	0.13	249.7	6	-202.6	19.8
SRT_BH063	Event 1 - Sept 2018	6/09/2018	10.89	14.66	4.35	7.95	6.72	-68.2	21.2
SRT_BH064	Event 1 - Sept 2018	6/09/2018	1.71	4.46	1.55	342.6	9.81	-150.2	19
SRT_CBH001	Event 1 - Sept 2018	6/09/2018	6.245	8.04	2.52	197.2	5.02	-44.9	20.6
SRT_CBH007	Event 1 - Sept 2018	6/09/2018	5.87	6.705	2.214	174.4	5.59	-25.5	19.8
SRT_CBH015	Event 1 - Sept 2018	7/09/2018	3.868	5.92	0.87	202	5.24	-169.1	20.1
SRT_CBH017	Event 1 - Sept 2018	7/09/2018	3.297	4.95	1.77	195.7	6.73	-85.2	19.7

Table 1
Summary of groundwater analytical results - September 2018

	Inorganics	Acidity & Alkalinity		Major Ions						Nutrients		Metals							BTEXN							TRH - NEPM 2013							NEPM 2013 - SG Cleanup			TRH - NEPM 1999									
		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
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_CBH001	6/09/2018	Field_D	-	-	-	-	-	-	-	-	<0.001	<0.0002	<0.001	0.041	0.003	<0.0001	0.012	0.058	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	<20	<50	<100	<100				
QA02	SRT_BH039	7/09/2018	Interlab_D	-	-	-	-	-	-	-	-	<0.001	<0.0001	0.003	0.014	<0.001	<0.0001	0.002	0.013	<1	<2	<2	<2	<2	<2	-	<1	<20	<20	<100	<100	230	<100	230	-	-	-	<20	<50	240	<50				
SRT-BH039	SRT_BH039	7/09/2018	Normal	0.007	80	<20	460	<0.5	160	140	28	940	0.7	1.3	<0.001	<0.0002	0.003	0.03	0.003	<0.0001	0.004	0.047	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	200	<100	200	<50	<100	<100	<20	<50	200	<100	
SRT-BH047	SRT_BH047	6/09/2018	Normal	<0.005	<10	140	64	8.1	1	34	27	7.6	<0.01	21	<0.001	<0.0002	<0.001	0.018	<0.001	<0.0001	0.003	0.021	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	
SRT-BH048	SRT_BH048	6/09/2018	Normal	<0.005	<10	130	19	6.2	2.7	56	34	47	<0.01	0.09	<0.001	<0.0002	<0.001	0.045	0.004	<0.0001	0.011	0.066	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	
SRT-BH053	SRT_BH053	6/09/2018	Normal	<0.005	<10	72	6.3	6.1	2.6	37	32	28	<0.01	<0.02	<0.001	<0.0002	<0.001	0.23	0.014	<0.0001	0.029	0.32	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	
SRT-BH063	SRT_BH063	6/09/2018	Normal	<0.005	<10	330	66	38	5.8	82	72	45	<0.01	0.15	<0.001	<0.0002	<0.001	0.014	<0.001	<0.0001	0.02	0.22	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	
SRT-BH064	SRT_BH064	6/09/2018	Normal	0.028	34	46	5.7	0.7	18	63	23	58	<0.01	2.3	0.005	<0.0002	<0.001	0.024	0.002	<0.0001	0.006	0.032	3	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100
SRT-CBH001	SRT_CBH001	6/09/2018	Normal	<0.005	<10	22	8.7	6.8	1.8	24	17	34	<0.01	9.2	<0.001	<0.0002	<0.001	0.003	<0.001	<0.0001	0.004	0.012	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	
SRT-CBH007	SRT_CBH007	6/09/2018	Normal	0.012	<10	<20	1.4	3	1.7	25	9.7	46	<0.01	1.9	<0.001	<0.0002	<0.001	0.36	0.023	<0.0001	0.02	0.48	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	
SRT-CBH015	SRT_CBH015	7/09/2018	Normal	<0.005	<10	32	4	5.7	3.8	27	11	79	<0.01	4.3	<0.001	<0.0002	<0.001	0.038	0.004	<0.0001	0.013	0.072	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	
SRT-CBH017	SRT_CBH017	7/09/2018	Normal	<0.005	<10	78	16	8.1	3.5	19	9.7	21	<0.01	0.2	<0.001	<0.0002	<0.001	0.038	0.004	<0.0001	0.006	0.069	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	

CSM_Groundwater_Results_Event01_Sept_2018.xlsm , 3/12/2018
[Filter]

Table 1
Summary of groundwater analytical results - September 2018

		OC Pesticides																				OP Pesticides																																	
		Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-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	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	Parathion						
		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	µg/L					
EQL		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
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																																																							
2-4m																																																							
4-8m																																																							
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NEPM 2013 Table 1C GILs, Marine Waters														0.004													0.009																												
Sydney Water Trade Waste Acceptance Standards 2018-19 (non-domesti																																																							

Field_ID	Location_Code	Sampled_Date_Time	Sample_Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
QA01	SRT_CBH001	6/09/2018	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
QA02	SRT_BH039	7/09/2018	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
SRT-BH039	SRT_BH039	7/09/2018	Normal	<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	<2	<2					
SRT-BH047	SRT_BH047	6/09/2018	Normal	<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	<2	<2	<2				
SRT-BH048	SRT_BH048	6/09/2018	Normal	<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	<2	<2	<2				
SRT-BH053	SRT_BH053	6/09/2018	Normal	<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	<2	<2	<2				
SRT-BH063	SRT_BH063	6/09/2018	Normal	<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	<2	<2	<2	<2			
SRT-BH064	SRT_BH064	6/09/2018	Normal	<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	<2	<2	<2	<2			
SRT-CBH001	SRT_CBH001	6/09/2018	Normal	<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	<2	<2	<2				
SRT-CBH007	SRT_CBH007	6/09/2018	Normal	<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	<2	<2	<2	<2			
SRT-CBH015	SRT_CBH015	7/09/2018	Normal	<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	<2	<2	<2	<2	<2		
SRT-CBH017	SRT_CBH017	7/09/2018	Normal	<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	<2	<2	<2	<2	<2	<2	<2

Table 1
Summary of groundwater analytical results - September 2018

												PCBs								Herbicides
				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
EQL				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																				
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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_CBH001	6/09/2018	Field_D	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	<100
QA02	SRT_BH039	7/09/2018	Interlab_D	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
SRT-BH039	SRT_BH039	7/09/2018	Normal	<2	<20	<2	<2	<2	<2	<2		<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT-BH047	SRT_BH047	6/09/2018	Normal	<2	<20	<2	<2	<2	<2	<2		<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT-BH048	SRT_BH048	6/09/2018	Normal	<2	<20	<2	<2	<2	<2	<2		<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT-BH053	SRT_BH053	6/09/2018	Normal	<2	<20	<2	<2	<2	<2	<2		<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT-BH063	SRT_BH063	6/09/2018	Normal	<2	<20	<2	<2	<2	<2	<2		<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT-BH064	SRT_BH064	6/09/2018	Normal	<2	<20	<2	<2	<2	<2	<2		<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT-CBH001	SRT_CBH001	6/09/2018	Normal	<2	<20	<2	<2	<2	<2	<2		<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT-CBH007	SRT_CBH007	6/09/2018	Normal	<2	<20	<2	<2	<2	<2	<2		<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT-CBH015	SRT_CBH015	7/09/2018	Normal	<2	<20	<2	<2	<2	<2	<2		<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT-CBH017	SRT_CBH017	7/09/2018	Normal	<2	<20	<2	<2	<2	<2	<2		<1	<1	<1	<1	<1	<1	<1	<1	<100