

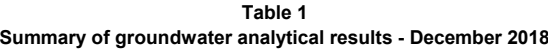
Table 2
Summary of groundwater field parameters - December 2018

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 4 - Dec 2018	18/12/2018	3.768	6.94	4.98	359.7	7.22	161.1	20.5
SRT_BH052	Event 4 - Dec 2018	18/12/2018	5	7.89	5.064	270.9	6.17	206.1	20.3
SRT_BH059	Event 4 - Dec 2018	17/12/2018	2.981	6	2.86	404.9	7.06	178.8	21
SRT_BH063	Event 4 - Dec 2018	17/12/2018	10.728	14.51	2.71	756	6.64	129.6	21.8
SRT_CBH015	Event 4 - Dec 2018	17/12/2018	3.635	5.91	0.59	231.2	5.44	242.2	20.8
SRT_CBH017	Event 4 - Dec 2018	17/12/2018	2.846	4.94	2.46	146.8	6.01	199.1	21.3



Table 1
Summary of groundwater analytical results - December 2018

	Iron speciation	Inorganics	Acidity & Alkalinity		Major Ions							Nutrients		Metals								BTEXN								TRH - NEPM 2013								NEPM 2013 - SG Cleanup				
	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_BH063	17/12/2018	Field_D	-	-	-	-	-	-	-	-	-	<0.001	<0.0002	<0.001	0.002	0.003	-	<0.0001	0.004	0.015	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<100	-	-	-		
QA02	SRT_CBH015	17/12/2018	Interlab_D	-	-	-	-	-	-	-	-	-	<0.001	0.0001	<0.001	<0.001	<0.001	-	<0.0001	0.01	0.024	<1	<2	<2	<2	<2	<3	-	<1	<20	<20	<100	<100	<100	<100	<100	-	-	-			
SRT_BH047	SRT_BH047	18/12/2018	Normal	0.06	<0.005	<10	63	35	8	1.6	31	33	16	<0.01	22	<0.001	<0.0002	<0.001	0.021	0.002	0.009	<0.0001	0.004	0.031	<1	2	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100
SRT_BH052	SRT_BH052	18/12/2018	Normal	<0.05	<0.005	<10	35	17	4.1	1.1	38	43	18	<0.01	10	<0.001	<0.0002	<0.001	0.018	0.001	0.02	<0.0001	0.004	0.023	<1	2	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100
SRT_BH059	SRT_BH059	17/12/2018	Normal	0.8	<0.005	<10	170	70	5.7	7.6	11	10	24	<0.01	7.9	<0.001	<0.0002	<0.001	0.056	0.003	<0.005	<0.0001	0.007	0.053	<1	2	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100
SRT_BH063	SRT_BH063	17/12/2018	Normal	0.39	<0.005	<10	290	58	33	6.4	75	76	56	<0.01	0.24	<0.001	<0.0002	<0.001	0.003	0.005	<0.005	<0.0001	0.005	0.019	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100
SRT_CBH015	SRT_CBH015	17/12/2018	Normal	<0.05	<0.005	<10	33	3.4	5	3.6	28	12	52	<0.01	3.7	<0.001	<0.0002	<0.001	0.019	0.002	5.4	<0.0001	0.011	0.04	<1	2	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100
SRT_CBH017	SRT_CBH017	17/12/2018	Normal	<0.05	<0.005	<10	42	19	9	3.2	17	11	17	<0.01	2.5	<0.001	<0.0002	<0.001	0.003	<0.001	1.8	<0.0001	0.008	0.017	<1	<1	<1	<1	<2	<3	<10	-	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100



CSM_Groundwater_Results_Event04_Dec_2018.xlsm , 8/01/2019
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Table 1
Summary of groundwater analytical results - December 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 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	Fensulfothion	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	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																																																																																																																																																																																																																																																																																																																
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	20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																																																																																																																																																																																																																																																																																																																
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QA01	SRT_BH063	17/12/2018	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																																																																																																																																																																																													
QA02	SRT_CBH015	17/12/2018	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																																																																																																																																																																																											
SRT_BH047	SRT_BH047	18/12/2018	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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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 - December 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)
												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	100
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																											
2-4m																											
4-8m																											
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Sydney Water Trade Waste Acceptance Standards 2018-19 (non-domestic)																											
Field_ID	Location_Code	Sampled_Date_Time	Sample_Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
QA01	SRT_BH063	17/12/2018	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
QA02	SRT_CBH015	17/12/2018	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
SRT_BH047	SRT_BH047	18/12/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<100								
SRT_BH052	SRT_BH052	18/12/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<100								
SRT_BH059	SRT_BH059	17/12/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<100								
SRT_BH063	SRT_BH063	17/12/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<100								
SRT_CBH015	SRT_CBH015	17/12/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<100								
SRT_CBH017	SRT_CBH017	17/12/2018	Normal	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<100								