

Dial A Dump (EC) Pty Ltd
Groundwater Quality Monitoring



Licensee: Dial A Dump (EC) Pty Ltd
 Address: Genesis Waste Facility, Honeycomb Drive, Eastern Creek
 EPL Nos. 13426

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BH2i	Pollutant	Units	2015		2016				2017				2018				2019				2020							
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
	*C10 - C14	µg/L			<50					<50					<50					<50					560			
	*C15 - C28	µg/L			<100					<100					<100					<100					290			
	*C29 - C36	µg/L			<50					<50					<50					<100					<100			
	*C6 - C9	µg/L			<20					<20					<20					<10					<10			
	*meta & para-Xylene	µg/L			<2					<2					<2					<1					<2			
	*Naphthalene	µg/L			<5					<5					<5					<1					<1			
	*Nitrate	mg/L	<0.01	0.01	<0.01	0.06	-	0.27		0.05	<0.01	0.4	<0.01		<0.01	0.02	0.098	0.03	<0.05	<0.005	0.33	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	*Nitrite	mg/L	0.03	<0.01	<0.01	<0.01	-	0.02		<0.01	<0.01	0.06	<0.01		0.02	<0.01	<0.005	0.015	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	*ortho-Xylene	µg/L			<2					<2					<2					<1					<1			
	Alkalinity	mg/L	622	386	506	568	623	490		666	885	42	477		547	971	130	100	150	610	620	570		350	650	510	500	
	Aluminium	mg/L			<0.01					<0.01					<0.01				0.05					0.04				
	Arsenic	mg/L			<0.001					<0.001					<0.001				<0.001					0.002				
	Barium	mg/L			2.82					19.5					49.7				0.061					1.6				
	Benzene	µg/L			<1					<1					<1									<1				
	Cadmium	mg/L			<0.0001					<0.0001					<0.0001				<0.0001					<0.0001				
	Calcium	mg/L	112	10	125	107	100	125		275	253	11	125		264	179	48	44	55	31	25	42		85	51	83	85	
	Chloride	mg/L	1670	75	1180	958	1030	1520		3440	3110	31	718		4350	3220	12	14	9	780	950	1200		430	1500	760	670	
	Chromium	mg/L			0.002					<0.001					<0.001				<0.001					0.002				
	Copper	mg/L			<0.001					0.001					0.004				0.002					0.001				
	Electrical Conductivity	µS/cm	301.3	310.6	3210	3730	3810			3810	3550	3651	2835		3335	3273	419	310.2	394.5	351	4474	5083		2605	5897	2125	2266	
	Ethyl Benzene	µg/L			<2					<2					<2				<1					<1				
	Fluoride	mg/L			0.2					0.4					0.3	0.2			0.2					0.3				
	Lead	mg/L			<0.001					<0.001					<0.001				<0.001					<0.001				
	Magnesium	mg/L	139	3	108	17	17	124		95	229	5	12		127	213	1.3	1.5	2.8	11	14	17		8	24	13	15	
	Manganese	mg/L			0.083					0.078					0.156				0.099					0.11				
	Mercury	mg/L			<0.0001					<0.0001					<0.0001				<0.0005					<0.0005				
	Nitrate + nitrite	mg/L	0.01	0.01	<0.01	0.06	<0.01	0.29		0.05	<0.01	0.46	<0.01		0.01	<0.01	0.02	0.113	0.03	<0.05	<0.005	0.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	Nitrogen (ammonia)	mg/L	1.99	0.47	1.11	2.56	3.53	0.11		16.4	3.82	0.02	4.42		9.04	3.77	1.1	0.27	1.1	1.7	3.4	3.8		3.7	4.6	4.3	4.7	
	pH		8.41	8.31	8.24	6.99	7.07			7.01	7.5	7.21	8.68		7.8	7.89	7.27	8.06	8.02	8.1	7.61	7.52		6.7	7.07	7.44	6.94	
	Phenols	µg/L			4.3					<1					<1.0				<0.5					<0.05				
	Phosphorus	mg/L			0.14					<0.02					0.03				0.3					0.2				
	Potassium	mg/L	23	12	22	18	16	16		84	29	2	15		75	26	4.3	4.4	5.6	18	18	21		11	21	14	16	
	Redox	mV	39.6	40.3	39.3	-28.5	-33.8			-29.8	-33.6	-37.1	-220.2		-96.6	-117.9	-186	-99.1	167.1	-199.3	-158.6	-204.5		-220.8	-203.2	-192.9	-173.7	
	Sodium	mg/L	1080	236	812	735	769	943		2030	1730	18	525		3210	1660	12	15	27	770	950	980		360	1300	600	710	
	Standing water level	m AHD	25.11	24.535	36.304	30.558	39.03	34.16		38.184	44.402	44.1	45.112		47.675	46.91	46.61	47.86	47.92	69.22	26.29	31.33		33.94	36.17	37.67	40.94	
	Sulphate	mg/L	34	23	92	<10	40	5		13	<1	9	90		<1	<1	21	48	45	9	6	2		68	4	23	19	
	Toluene	µg/L			<2					<2					<2				<1					<1				
	Total organic carbon	mg/L			2					2					4				9					26				
	Total Petroleum Hydrocarbons	µg/L			<50					<50					<50				<100					850				
	Xylene	µg/L			<2					<2					<2				<1					<2				
	Zinc	mg/L			<0.005					0.018					0.041				0.008					0.011				

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BH3d	Pollutant	Units	2015				2016				2017				2018				2019				2020					
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
	*C10 - C14	µg/L			<50					<50					<50										1200			
	*C15 - C28	µg/L			<100					<100					<100										270			
	*C29 - C36	µg/L			<50					<50					<50										350			
	*C6 - C9	µg/L			<20					<20					<20										<10			
	*meta & para-Xylene	µg/L			<2					<2					<2										<2			
	*ortho-Xylene																								<1			
	*Naphthalene	µg/L			<5					<5					<5										<0.005			
	*Nitrate	mg/L	<0.01	<0.01	-	0.06	6.72	-	0.06	0.34	0.03	0.34	<0.01	<0.01	0.097	<0.005	0.04	<0.005						<0.005	<0.005	<0.005	0.02	
	*Nitrite	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	0.05	0.02	0.01	0.075	<1	0.044	<0.005						<1	<0.005	<0.005	<0.005	
	Alkalinity	mg/L	584	389	1210	434	1090	1260	513	44	155	56	50	747	200	340	170	230						55	<5	37	66	
	Aluminium	mg/L			<0.01				<0.01							<0.01									0.02			
	Arsenic	mg/L			<0.001				<0.01							<0.001									<0.001			
	Barium	mg/L			0.077				14.3							0.024									0.32			
	Benzene	µg/L			<1				<1							<1									<1			
	Cadmium	mg/L			<0.0001				<0.0001							0.0002									<0.0001			
	Calcium	mg/L	400	8	99	458	102	110	216	16	9	11	16	316	190	190	150	170							140	190	180	200
	Chloride	mg/L	5400	134	2910	6150	2720	2910	2790	28	46	35	26	5720	1100	820	960	850							1200	1100	1200	1100
	Chromium	mg/L			<0.001				<0.001							0.004									<0.001			
	Copper	mg/L			<0.001				0.01							0.002									0.001			
	Electrical Conductivity	µS/cm	16660	15740	10440	9640	11020	9700	8400	8495	8449	8429	8455	8444	1010	3800	1665	3457							3289	3640	1523	3506
	Ethyl Benzene	µg/L			<2				<2							<2									<1			
	Fluoride	mg/L			0.2				0.2					0.2		1	0.2								<0.1			
	Lead	mg/L			<0.001				<0.001							0.026									<0.001			
	Magnesium	mg/L	188	3	202	159	214	203	234	6	2	6	6	139	1.2	1.2	1	1							3	<0.5	<0.5	<0.5
	Manganese	mg/L			0.034				0.063							0.001									<0.005			
	Mercury	mg/L			<0.0001				<0.0001							<0.0001									<0.00005			
	Nitrate + nitrite	mg/L	<0.01	<0.01	10.6	0.06	6.72	5.03	0.06	0.34	0.03	0.39	0.01	<0.01	0.172	0.1	0.084	<0.005						<0.005	<0.005	<0.005	0.01	
	Nitrogen (ammonia)	mg/L	7.27	0.5	0.1	9.95	0.04	0.03	3.47	0.04	0.02	0.12	0.04	8.2	2.8	3.2	2.6	2.8						2.6	2.8	2.8	0.01	
	pH		6.98	6.98	7.65	6.85	7.53	71	7.01	8.44	8.49	8.45	8.47	8.49	7.66	7	7.69	7.48						8.62	10.18	8.78	8.47	
	Phenols	µg/L			<10				<0.05							<1.0									<0.05			
	Phosphorus	mg/L			<0.01				0.1							<0.01									0.2			
	Potassium	mg/L	48	13	19	39	18	19	26	2	3	2	3	43	15	15	13	13						12	14	13	14	
	Redox	mV	23	21.1	-17.6	-28.4	-20.1	-39.1	-29.8	-23.1	-19.3	-20.7	-21.3	-20.4	-84.2	150	49.8	-120.7						-183.8	-183.7	-194.4	-128.2	
	Sodium	mg/L	3470	245	1980	3350	2190	2050	1680	18	109	671	22	3040	560	700	580	520						540	640	560	580	
	Standing water level	m AHD	5.19	3.399	29.355	15.047	29.83	15.93	19.627	20.873	24.1	25.779	27.609	29.663	34.14	33.125	33.965	33.545						nt	40.6	41.78	44.23	
	Sulphate	mg/L	<1	30	475	<1	426	388	9	11	30	15	10	<1	3	2	4	3						1	26	26	1	
	Toluene	µg/L			<2				<2							<1									<1			
	Total organic carbon	mg/L			<1				4							4									35			
	Total Petroleum Hydrocarbons	µg/L			<0.5				<50							<100									1820			
	Xylene	µg/L			<2				<2							<1									<2			
	Zinc	mg/L			0.013				0.02							0.02									0.007			

WELL DAMAGED

NOT TESTED

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BH4i	Pollutant	Units	2015		2016				2017				2018				2019		2020					
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L				<50					<50					100				160					1200
*C15 - C28	µg/L				<100					<100					<100				<100					320
*C29 - C36	µg/L				<50					<50					<50				<100					1400
*C6 - C9	µg/L				<20					<20					<20				20					<10
*meta & para-Xylene	µg/L				<2					<2					<2				<2					<2
*Naphthalene	µg/L				<5					<5					<5				<1					<1
*Nitrate	mg/L	0.02	0.55	29.2	0.04	-	<0.01	<0.01	<0.01	0.01	1.13	0.39	<0.01	<0.005	0.006	0.56	<0.025		0.33	0.02	0.01	0.03	<0.005	
*Nitrite	mg/L	<0.01	0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01		2.31	1.01	<0.005	<0.005	0.006	<0.025		<0.005	<0.005	0.019	<0.005	<0.005	
*ortho-Xylene	µg/L				<2					<2					<2				<1					<2
Alkalinity	mg/L	573	1060	853	538	446	466	512	448	527	209	516	522	520	540	490	460	570	490	400	450	460		
Aluminium	mg/L			<0.01				<0.01				0.01				<0.01			0.01					0.01
Arsenic	mg/L			<0.001				0.003				0.001				0.002								0.004
Barium	mg/L			0.033				63.5				74.9				56								61
Benzene	µg/L			<1				2				<1				2								4
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001								0.0001
Calcium	mg/L	350	94	96	362	211	356	341	352	352	16	331	273	220	210	190	180	42	210	130	120	160		
Chloride	mg/L	4980	748	228	6180	3580	5860	6210	6460	5590	55	6100	6520	6200	6400	4400	4500	1200	6100	2800	3200	6100		
Chromium	mg/L			<0.001				<0.001				0.001				0.007								0.009
Copper	mg/L			0.017				0.002				0.004				0.002								0.005
Electrical Conductivity	µS/cm	15820	15110	5880	17880	5790	18120	19350	17200	17060	17870	25195	6463	18170	17309	17000	13171	5083	14891	7456	9700	10735		
Ethyl Benzene	µg/L			<2				<2				<2				<1								<1
Fluoride	mg/L		0.2	0.4			0.2	0.2				0.2	0.2			0.2								0.2
Lead	mg/L			<0.001				<0.001				<0.001				0.003								<0.001
Magnesium	mg/L	178	164	102	191	107	176	178	173	191	11	179	171	180	180	150	140	17	180	88	81	130		
Manganese	mg/L			0.002				0.256				0.23				0.27								0.28
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005								<0.00005
Nitrate + nitrite	mg/L	0.02	0.56	29.2	0.04	75.1	<0.01	<0.01	<0.01	0.01	1.13	2.7	0.15	<0.005	0.006	0.566	<0.025	0.3	0.02	0.03	0.03	<0.005		
Nitrogen (ammonia)	mg/L	8.58	0.02	<0.01	8.26	6.83	5.44	8.98	9.04	9.44	0.01	8.56	9.04	10	8.6	7.7	8.1	3.8	9.2	32	32	10		
pH		6.76	6.69	8.19	6.6	8.13	7.15	6.97	7.19	6.92	7.03	7.53	7.21	6.91	6.84	7	6.88	7.52	7.04	8.53	6.3	638		
Phenols	µg/L			<1				<0.05				<1.0				<50								<0.05
Phosphorus	mg/L			<0.01				0.06				0.06				<0.05								0.3
Potassium	mg/L	48	9	2	53	27	49	50	50	41	3	46	46	57	6	53	44	21	52	30	37	38		
Redox	mV	-24	-22.3	-83.2	-14.9	-88.8	-42.7	-33.6	-45.8	-48.8	-42.7	-78.4	-78.6	51	-84.1	167	-178	-204.5	-107.7	-140.5	NT	-8.5		
Sodium	mg/L	3480	1000	598	3790	2110	3500	3470	3460	3670	105	3480	3460	4900	4900	3700	2900	980	3100	2100	1500	38		
Standing water level	m AHD	35.96	35.482	39.401	40.695	40.92	42.45	44.105	45.096	45.59	45.952	47.429	48.461	42.88	42.14	42.165	43.565	46.27	32.59	NT	49.59	50.91		
Sulphate	mg/L	<10	672	771	<10	<1	<1	<1	2	<1	37	<1	8	3	<1	11	<1	2	3	6	<1	<1		
Toluene	µg/L			<2				<2				<2				3								5
Total organic carbon	mg/L			31				4				2				64								28
Total Petroleum Hydrocarbons	µg/L							<50				100				180								2920
Xylene	µg/L			<2				<2				<2				<1								<2
Zinc	mg/L			0.014				0.042				0.045				0.052								0.056

DRY

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BH5s	Pollutant	Units	2015		2016				2017				2018				2019				2020								
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
*C10 - C14	µg/L				<50					<50					<50					<50					<50				
*C15 - C28	µg/L				<100					<100					<100					<100					<100				
*C29 - C36	µg/L				<50					<50					<50					<100					<100				
*C6 - C9	µg/L				<20					<20					<20					<10					<10				
*meta & para-Xylene	µg/L				<2					<2					<2					<1					<1				
*Naphthalene	µg/L				<5					<5					<5					<1					<1				
*Nitrate	mg/L	14.3	0.76	23.8	11.3	11.3	5.62	3.34	11.6	8.25	4.82	1.48	0.21	1.9	8	5.5	6	2	6.2	8.8	4.3	7.5	4.2	8.8	4.3	7.5	4.2		
*Nitrite	mg/L	0.07	0.03	<0.01	0.08	0.04	0.02	0.03	0.1	0.06	0.04	0.11	<0.01	0.009	0.008	0.033	0.08	0.31	0.095	<0.005	0.1	0.006	0.14	<0.005	0.1	0.006	0.14		
*ortho-Xylene	µg/L				<2					<2					<2					<1					<1				
Alkalinity	mg/L	992	740	828	1070	791	827	1050	888	919	3.47	916	1140	1200	1100	1200	1100	1100	900	730	890	640	810	730	890	640	810		
Aluminium	mg/L			<0.01				<0.01				<0.05				<0.01				<0.01				0.01	<0.01				
Arsenic	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001				<0.001					
Barium	mg/L			0.053				0.069				0.061				0.025				0.034				0.034					
Benzene	µg/L			<1				<1				<1				<1				<1				<1					
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001				<0.0001					
Calcium	mg/L	98	66	95	100	90	82	112	84	88	88	84	95	94	85	76	76	86	88	94	68	96	76	94	68	96	76		
Chloride	mg/L	175	382	250	640	290	354	6120	248	527	846	474	1050	700	240	260		680	260	170				170					
Chromium	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001				<0.001					
Copper	mg/L			0.014				0.014				0.084				0.032				0.015				0.015					
Electrical Conductivity	µS/cm	2796	7310	3550	4400	3800	3910	4890	3120	4060	4633	5416	3568	5310	3653	4008	4008	3666	3747	3328	3223	4063	3747	3328	3223	4063			
Ethyl Benzene	µg/L			<2				<2				<2				<1				<1				<1					
Fluoride	mg/L			0.4			0.4	0.2				0.4	0.3			0.4				0.5				0.5					
Lead	mg/L			0.003				0.002				<0.001				0.002				0.001				0.001					
Magnesium	mg/L	117	97	98	149	110	114	156	112	126	149	110	185	140	110	100	120	160	120	130	100	120	120	130	100	120	120		
Manganese	mg/L			0.004				0.247				0.073				0.03				0.009				0.009					
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.0005				<0.00005				<0.00005					
Nitrate + nitrite	mg/L	14.5	0.79	23.8	11.4	11.3	5.64	3.37	11.7	8.31	4.86	1.5	0.21	1.909	8.008	5.533	6.08	2.31	6.3	8.8	4.4	7.5	4.4	8.8	4.4	7.5	4.4		
Nitrogen (ammonia)	mg/L	0.07	0.02	0.02	0.01	0.04	<0.01	0.03	<0.01	0.12	0.04	0.07	0.14	<0.005	<0.005	<0.005	0.026	0.014	<0.005	0.03	0.008	<0.005	0.026	0.03	0.008	<0.005	0.026		
pH		7.67	6.83	8.39	7.16	8.23	7.89	7.41	7.76	7.22	8.57	8.18	7.92	6.96	6.17	7.3	7.26	7.04	7.09	7.58	7.49	7.2	6.94	7.58	7.49	7.2	6.94		
Phenols	µg/L			<1				<0.05				<1				<50				<0.05				<0.05					
Phosphorus	mg/L			<0.01				0.01				0.01				0.2				<0.05				<0.05					
Potassium	mg/L	3	5	3	9	4	5	9	5	6	9	4	8	5	2.1	3.3	6.3	9	2.5	4.1	5.9	4.3	8.2	4.1	5.9	4.3	8.2		
Redox	mV	99.6	19.8	-64.8	-44.9	-57.6	-85	-59.7	-79.7	-66.9	57.8	33	103.7	27	51.5	9.3	58.5	88.5	39.5	-14.1	16.7	81.8	20.8	-14.1	16.7	81.8	20.8		
Sodium	mg/L	664	646	590	878	755	710	3270	676	745	879	682	963	970	940	970	870	880	620	570	550	610	660	570	550	610	660		
Standing water level	m AHD	70.09	69.672	70.27	68.399	70.55	69.03	66.338	70.472	69.1	68.253	67.993	67.867	67.75	68.32	67.32	68.42	67.79	68.2	71.6	70.08	70.95	70.86	71.6	70.08	70.95	70.86		
Sulphate	mg/L	899	285	835	613	696	679	501	765	725	588	651	544	650	770	680	700	550	910	1200	790	890	750	1200	790	890	750		
Toluene	µg/L			<2				<2				<2				<1				<1				<1					
Total organic carbon	mg/L			18				3				2				3				16				16					
Total Petroleum Hydrocarbons	µg/L			<50				<50				<50				<100				<100				<100					
Xylene	µg/L			<2				<2				<2				<1				<2				<2					
Zinc	mg/L			0.031				0.015				0.076				0.22				0.073				0.073					

Dial A Dump (EC) Pty Ltd
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BH6d	Pollutant	Units	2015		2016				2017				2018				2019				2020						
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
	*C10 - C14	µg/L			<50					<50					90				<50					240			
	*C15 - C28	µg/L			<100					130					110				<100					240			
	*C29 - C36	µg/L			<50					<50					<50				<100					<100			
	*C6 - C9	µg/L			70					<20					<20				25					<10			
	*meta & para-Xylene	µg/L			8					<2					<2				<2					<2			
	*Naphthalene	µg/L			<5					<5					<5				<1					<1			
	*Nitrate	mg/L	<0.01	<0.01	0.08	9.02	0.46	-	-	0.02	0.06	0.28		<0.01	0.04	0.05	0.077	<0.005	<0.025	0.007	<0.005		0.006	<0.005	<0.005	<0.005	
	*Nitrite	mg/L	<0.01	0.01	<0.01	<0.01	<0.01	-	-	<0.01	0.01	0.01		<0.01	<0.01	<0.05	<0.005	<0.005	<0.025	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	
	*ortho-Xylene	µg/L			4					<2					<2				<1					<1			
	Alkalinity	mg/L	461	406	821	1240	596	425	657	818	156	48		697	850	570	670	1200	1100	660	720	720	1000	1000	1000	1000	1000
	Aluminium	mg/L			<0.01				0.01					<0.01				0.02					0.01				
	Arsenic	mg/L			<0.001				0.004					0.003				0.006					0.004				
	Barium	mg/L			0.04				11.2					13.8				28					14				
	Benzene	µg/L			10				3					<1				7					2				
	Cadmium	mg/L			<0.0001				<0.0001					<0.0001				<0.0001					<0.0001				
	Calcium	mg/L	410	354	100	99	87	452	147	217	9	29		171	257	130	170	330	290	150	190	160	340	290	350	350	
	Chloride	mg/L	5380	6220	242	2730	1640	6590	1760	3230	47	29		2210	3040	2000	2100	2700	2700	2600	2300	2500	3200	3400	3500	3500	
	Chromium	mg/L			<0.001				0.003					<0.001				0.001					0.005				
	Copper	mg/L			0.007				0.002					<0.001				0.01					0.008				
	Electrical Conductivity	µS/cm	16190	16180	14640	10990	14330	6960	6570	9780	10083	8811		11725	9944	5160	7153	10710	9927	9706	7433	7095	11052	10395	11259	11259	
	Ethyl Benzene	µg/L			<2				<2					<2				<1					<1				
	Fluoride	mg/L			0.4				0.3					0.2				0.1					0.2				
	Lead	mg/L			<0.001				0.003					<0.001				0.001					<0.001				
	Magnesium	mg/L	193	165	105	202	20	163	38	89	2	4		45	72	37	43	96	82	86	50	48	99	89	110		
	Manganese	mg/L			0.003				0.477					0.288				0.19					0.52				
	Mercury	mg/L			<0.0001				<0.0001					<0.0001				<0.00005					<0.00005				
	Nitrate + nitrite	mg/L	<0.01	<0.01	0.08	9.02	0.46	0.04	<0.01	0.02	0.07	0.29		<0.01	0.04	0.05	0.077	<0.005	<0.025	0.007	<0.005	0.006	<0.005	0.02	<0.005		
	Nitrogen (ammonia)	mg/L	7.82	7.9	10.7	0.12	3.3	8.35	7.8	3.13	<0.01	0.04		5.64	5.34	8.1	7	5.8	6.4	5.6	8.7	6.5	6.2	6.4	6.2		
	pH		5.98	7.99	6.99	6.73	6.98	6.7	7.01	7.28	6.99	6.9		8.23	7.3	7.05	6.78	7.1	7.17	7.37	6.76	6.61	6.63	6.71	6.64		
	Phenols	µg/L			1.7				<0.05					<1.0				<5.0					<0.05				
	Phosphorus	mg/L			<0.01				0.03					0.03				0.07					<0.05				
	Potassium	mg/L	49	41	2	18	24	42	40	64	4	3		43	55	46	49	71	65	60	56	47	78	69	64		
	Redox	mV	85.3	-30.1	18.3	-93	20.1	-17.1	-29.8	-50.7	-31.4	-33.36		-68.4	72.3	-46	-82.9	-59.3	-96.9	135.9	49.6	-39.1	-82.9	-50.7	49.2		
	Sodium	mg/L	3660	3570	637	1920	782	3580	1270	1850	109	17		1390	1670	1600	3100	2300	1900	1600	1300	1400	78	69	1900		
	Standing water level	m AHD	11.43	11.268	14.535	7.022	19.06	17.59	18.783	19.843	20.07	20.392		21.506	21.823	17.15	17.93	21.14	16.55	16.8	15.55	18.51	17.46	18.87	19.75		
	Sulphate	mg/L	<10	<10	908	360	<1	<1	<1	<1	25	41		<1	<1	54	2	<1	<1	<1	<1	<1	<1	<1	<1		
	Toluene	µg/L			21				<2					<2				2					<1				
	Total organic carbon	mg/L			22				20					7				89					34				
	Total Petroleum Hydrocarbons	µg/L			70				130					200				25					480				
	Xylene	µg/L			12				<2					<2				<1					<2				
	Zinc	mg/L			0.016				5.82					3.9				0.17					3				

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BH7i	Pollutant	Units	2015		2016				2017				2018				2019				2020				
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
*C10 - C14	µg/L				<50				<50				100			<50			<50			<50			
*C15 - C28	µg/L				<100				<100				<100			<100			<100			<100			
*C29 - C36	µg/L				<50				<50				<50			<100			<100			<100			
*C6 - C9	µg/L				<20				<20				40			<10			<10			<10			
*meta & para-Xylene	µg/L				<2				<2				<2			<1			<1			<2			
*Naphthalene	µg/L				<5				<5				<5			<1			<1			<1			
*Nitrate	mg/L	<0.01	<0.01		0.06	0.01	-	<0.01	0.02	0.09	0.3	0.15	<0.01	0.01	<0.01	<0.005	<0.025	<0.050	<0.050	0.008	0.076	<0.005	0.97		
*Nitrite	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	0.01	<0.01	0.31	0.22	<0.005	<0.01	<0.005	<0.025	<0.005	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	
*ortho-Xylene	µg/L				<2				<2				<2			<1			<1			<1			
Alkalinity	mg/L	465	401	483	436	480	417	443	579	155	40	536	467	440	430	410	430	420	450	420	410	420	470	470	
Aluminium	mg/L			<0.01				<0.01				<0.01				<0.01			<0.01			<0.01			
Arsenic	mg/L			0.002				0.003				<0.001				0.002			0.003			0.003			
Barium	mg/L			58.3				52.7				61.4				54			54			54			
Benzene	µg/L			1				<1				<1				<1			<1			<1			
Cadmium	mg/L			<0.001				<0.0001				<0.0001				<0.0001			<0.0001			<0.0001			
Calcium	mg/L	395	353	353	456	247	437	398	452	9	11	376	322	250	280	260	230	240	270	240	260	240	280	280	
Chloride	mg/L	5350	6240	6450	6190	4070	6580	6120	6480	47	29	6050	6540	6200	6000	5900	6300	5400	6600	6600	6300	6200	6600	6600	
Chromium	mg/L			<0.001				<0.001				<0.001				<0.001			<0.001			<0.001			
Copper	mg/L			0.074				<0.001				0.007				0.013			<0.001			<0.001			
Electrical Conductivity	µS/cm	16280	14274	18010	17900	18350	12200	18090	17530	12256	15958	25800	15180	18280	17670	17201	8409	16901	17564	16361	17643	17046	18446		
Ethyl Benzene	µg/L			<2				<2				<2				<1			<1			<1			
Fluoride	mg/L			0.1				0.2				0.1	0.1			0.2			0.2			0.2			
Lead	mg/L			<0.001				<0.001				<0.001				0.001			<0.001			<0.001			
Magnesium	mg/L	191	165	164	158	94	152	164	170	2	4	155	158	160	170	170	150	160	180	170	160	160	170		
Manganese	mg/L			0.421				0.239				0.401				0.24			0.21			0.21			
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.0005			<0.0005			<0.0005			
Nitrate + nitrite	mg/L	<0.01	<0.01	<0.01	0.06	0.01	<0.01	<0.01	0.02	0.1	0.3	0.46	0.09	0.01	<0.01	<0.005	<0.025	<0.025	<0.050	0.008	0.08	<0.005	0.97		
Nitrogen (ammonia)	mg/L	7.24	7.96	8.39	7.61	3.54	8.57	8	8.46	0.03	0.03	8.26	8.11	7.5	7.6	8.5	6.3	7.5	7.3	7.9	6.8	7.5	8.1		
pH		5.73	6.05	6.25	5.84	6.22	6.31	6.55	6.8	6.55	6.63	7.2	7.05	6.5	6.37	7.5	7.17	6.57	7.2	6.56	7.3	6.84	7.47		
Phenols	µg/L			<1				<0.05				<1.0				<50			<0.05			<0.05			
Phosphorus	mg/L			0.02				0.14				0.02				<0.05			<0.05			<0.05			
Potassium	mg/L	47	40	37	39	23	39	41	45	4	2	40	39	49	49	49	41	44	39	42	38	44	42		
Redox	mV	86.5	36.8	64.4	30.1	67	57	-10.1	-23.7	-20.1	-17.9	-50.8	-51.4	121	-28	-13.6	28.1	-44.5	-86.7	-15.3	65.7	-59.7	104.9		
Sodium	mg/L	3560	3620	3490	3310	2080	3430	3270	3640	108	17	3260	3390	4600	8800	4800	3600	3700	3600	3900	3600	3600	4300		
Standing water level	m AHD	56.16	56.373	62.478	56.949	56.57	55.25	55.94	56.732	56.6	56.587	56.485	56.538	56.35	55.82	56.04	56.46	56.32	56.42	56.63	56.46	56.61	56.61		
Sulphate	mg/L	<10	<10	<1	<10	<10	<10	<1	<1	28	7	1	<1	3	<1	4	150	<1	<1	<1	<1	<1	2		
Toluene	µg/L			<2				<2				<2				<1			<1			<1			
Total organic carbon	mg/L			<1				2				2				11			2			7			
Total Petroleum Hydrocarbons	µg/L			<50				<50				100				<100			<100			<100			
Xylene	µg/L			<2				<2				<2				<1			<1			<2			
Zinc	mg/L			0.04				0.039				0.466				0.044			0.035			0.035			

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BH8s	Pollutant	Units	2015		2016				2017				2018				2019				2020										
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4							
*C10 - C14	µg/L				<50					<50					<50					<50					<50						
*C15 - C28	µg/L				<100					<100					<100					<100					<100						
*C29 - C36	µg/L				<50					<50					<50					<100					<100						
*C6 - C9	µg/L				<20					<20					<20					<10					15						
*meta & para-Xylene	µg/L				<2					<2					<2					<1				3							
*Naphthalene	µg/L				<5					<5					<5					<1				3							
*Nitrate	mg/L				<0.01	-	0.06	6.72	-	2.78	3.19	1.64	1.44	0.32	0.21	2.1	5.8	4.5	3.8	4.9	4.6	7.4	7.6	5.4	3.8						
*Nitrite	mg/L				<0.01	-	<0.01	<0.01	-	<0.01	0.01	0.03	<0.01	<0.01	<0.01	0.012	<0.005	0.013	0.006	<0.005	<0.005	0.015	0.007	0.006	<0.005						
*ortho-Xylene	µg/L				<2					<2					<2					<1				2							
Alkalinity	mg/L				932	1210	434	1090	1260	1330	1220	1150	1400	1310	1310	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1200	1300	1300			
Aluminium	mg/L				<0.01					<0.01					<0.01					<0.01				<0.01							
Arsenic	mg/L				<0.001					<0.001					<0.001					<0.001				<0.001							
Barium	mg/L				0.077					0.047					0.125				0.053				0.061								
Benzene	µg/L				<1					<1					<1								<1								
Cadmium	mg/L				<0.0001					<0.0001					<0.0001					<0.0001				<0.0001							
Calcium	mg/L				82	99	458	102	110	96	93	118	70	99	82	71	82	73	66	71	78	71	71	71	71	71	71	71	71	71	71
Chloride	mg/L				2530	2910	6150	2720	2910	2810	2800	2650	2780	2710	2650	2500	2700	2500	2300	2400	2800	2800	2600	2600	2500						
Chromium	mg/L				<0.001					<0.001					<0.001					<0.001				<0.001							
Copper	mg/L				<0.001					<0.001					<0.001				0.023				0.021								
Electrical Conductivity	µS/cm				8982	10440	9640	11020	9700	10040	9570	9480	7377	12038	4837	10400	9943	9489	9363	9203	9742	9568	9995	8011	10663						
Ethyl Benzene	µg/L				<2					<2					<2					<1			1								
Fluoride	mg/L				0.2					0.2					0.1	0.1				0.1			1								
Lead	mg/L				<0.001					<0.001					<0.001				0.002				0.001								
Magnesium	mg/L				189	202	159	214	203	199	203	185	195	217	194	190	210	200	180	190	210	200	190	200	200	190	190	190	190	190	
Manganese	mg/L				0.034					0.041					0.405				0.15				0.066								
Mercury	mg/L				<0.0001					<0.0001					<0.0001				<0.00005				<0.00005								
Nitrate + nitrite	mg/L				<0.01	10.6	0.06	6.72	5.03	2.78	3.2	1.67	1.44	0.32	0.21	2.112	5.8	4.513	3.806	4.9	4.6	7.415	7.6	5.4	3.8						
Nitrogen (ammonia)	mg/L				<0.01	0.1	9.95	0.04	0.03	0.06	0.31	0.19	0.06	0.24	0.26	0.27	0.14	0.33	0.47	0.34	0.4	0.21	0.18	0.066	0.28						
pH					6.95	7.65	6.85	7.53	7.1	6.94	7.57	7.12	6.86	7.26	7.26	6.91	6.85	8	7.95	7.2	7.23	6.93	7.4	7.19	7.03						
Phenols	µg/L				<1					<1					<1					<50			<0.05								
Phosphorus	mg/L				<0.01					<0.01					<0.01				0.5				0.1								
Potassium	mg/L				19	19	39	18	19	18	18	16	24	18	17	21	24	21	21	18	19	21	19	20	18						
Redox	mV				27.6	-17.6	-28.4	-20.1	-39.2	-32.1	-68.7	-58.8	86.5	-19	147	-44	27.4	-768	66.7	99.3	-44.4	-5.7	63.9	123.9	101.5						
Sodium	mg/L				1900	1980	3350	2190	2050	1940	2000	1960	1830	2100	1840	2500	4700	2600	2000	2100	1900	1900	1900	1900	2100						
Standing water level	m AHD				64.683	65.927	66.236	66.42	66.99	67.093	66.919	67.31	67.568	67.685	67.638	67.48	67.915	67.695	67.615	67.35	67.74	66.93	67.12	67.04	67.56						
Sulphate	mg/L				447	475	<1	426	388	381	355	397	410	363	374	350	360	360	350	350	410	400	370	360	340						
Toluene	µg/L				<2					<2					<2					<1			9								
Total organic carbon	mg/L				<1					1					4				21			17									
Total Petroleum Hydrocarbons	µg/L				<50					<50					<50					<100			15								
Xylene	µg/L				<2					<2					<2							5									
Zinc	mg/L				0.013					0.011					0.008					0.048			0.12								

insufficient water to sample

Dial A Dump (EC) Pty Ltd
Groundwater Quality Monitoring



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BH9s	Pollutant	Units	2015		2016				2017				2018				2019				2020					
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
*C10 - C14	µg/L				<50					<50					<50					<50						
*C15 - C28	µg/L				<100					<100					<100					<100						
*C29 - C36	µg/L				<50					<50					<50					<100						
*C6 - C9	µg/L				<20					<20					<20					<10				14		
*meta & para-Xylene	µg/L				<2					<2					<2					<1				<2		
*Naphthalene	µg/L				<5					<5					<5					<1				<1		
*Nitrate	mg/L	0.02	0.03	-	0.06	6.72	-	0.05	<0.01	0.37	<0.01			0.7	<0.01	0.01	0.16	0.39	0.099	<0.005	0.005	0.089	0.32	<0.005	<0.005	
*Nitrite	mg/L	<0.05	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01			2.8	<0.01	<0.005	0.007	<0.005	0.014	<0.005	<0.005	<0.005	0.033	<0.005	<0.005	
*ortho-Xylene	µg/L				<2					<2					<2					<0.001				<1		
Alkalinity	mg/L	910	155	1210	434	1090	1260	912	881	928	641	941	963	770	510	710	170	450	910	760	790	940	900			
Aluminium	mg/L				<0.01				<0.01						<0.01					<0.01				0.01		
Arsenic	mg/L				<0.001				0.002						<0.001					0.001				<0.001		
Barium	mg/L				0.077				9.93						15.4					3.5				8.5		
Benzene	µg/L				<1				<1						<1					<0.1				<1		
Cadmium	mg/L				<0.0001				<0.0001						<0.0001					<0.0001				<0.0001		
Calcium	mg/L	142	90	99	458	102	110	194	233	127	8	220	177	140	110	130	65	60	170	130	150	150	150			
Chloride	mg/L	2520	648	2910	6150	2720	2910	1750	3090	2980	439	3210	3160	2200	1200	2000	250	820	3100	2200	2400	2800	3000			
Chromium	mg/L				<0.001				0.001						<0.001					<0.001				<0.001		
Copper	mg/L				<0.001				0.024						<0.001					0.011				0.005		
Electrical Conductivity	µS/cm	7945	9872	10440	9640	11020	9700	8950	8940	8890	8760	12333	5445	7900	8790	5984	1649	4018	9216	7877	8555	8625	9952			
Ethyl Benzene	µg/L				<2				<2						<2					<1				<1		
Fluoride	mg/L				0.2				0.2						0.6	0.2				0.2				0.2		
Lead	mg/L				<0.001				0.001						<0.001					<0.001				<0.001		
Magnesium	mg/L	214	49	202	159	214	203	175	214	203	11	235	210	210	100	170	21	60	240	170	180	220	230			
Manganese	mg/L				0.034				0.075						0.034					0.08				0.073		
Mercury	mg/L				<0.0001				<0.0001						<0.0001					<0.00005				<0.00005		
Nitrate + nitrite	mg/L	0.02	0.03	10.6	0.06	6.72	5.03	0.05	<0.01	0.37	<0.01	3.5	<0.01	0.01	0.167	0.39	0.113	<0.005	0.005	0.09	0.4	<0.005	<0.005			
Nitrogen (ammonia)	mg/L	3.04	0.72	0.1	9.95	0.04	0.03	3.63	3.76	0.05	0.77	4.2	3.77	2.6	1.4	1.8	0.35	1.5	3.7	2.8	2.7	3.8	4.5			
pH		8.25	7.76	7.65	6.85	7.53	7.1	7.07	7.6	8.24	7.64	7.7	7.4	7.03	7.47	7.64	7.53	7.11	7.07	7.09	6.14	6.94	7.01			
Phenols	µg/L				<1				<0.05						<1.0					<50				<0.05		
Phosphorus	mg/L				<0.01				0.12						0.01					0.2				<0.05		
Potassium	mg/L	37	16	19	39	18	19	25	26	28	6	26	26	31	25	30	7.5	13	34	21	24	29	29			
Redox	mV	-139.7	-100.6	-17.6	-28.4	-20.1	-39.2	-39.2	-68.5	-126	-77.9	-30.2	-95.6	-71	-41	-12.5	-32.5	-116	-106	-68.2	28.2	-88.8	7.8			
Sodium	mg/L	1610	401	1980	3350	2190	2050	1290	1600	1740	671	1760	1660	2100	950	1700	700	1300	1200	1500	1500	1500	1500			
Standing water level	m AHD	60.19	58.334	50.137	60.099	58.69	58.64	57.73	57.727	60.46	58.699	59.237	59.297	59.03	59.69	59.23	66.33	58.19	59.15	59.21	59.35	59.34	59.45			
Sulphate	mg/L	<10	128	475	<1	426	388	31	<1	<1	249	7	3	38	120	67	84	45	4	43	31	1	<1			
Toluene	µg/L				<2				<2						<2					<1				<1		
Total organic carbon	mg/L				<1				3						4					7				2		
Total Petroleum Hydrocarbons	µg/L				<0.5				<50						<50					<100				14		
Xylene	µg/L				<2				<2						<2					<1				<2		
Zinc	mg/L				0.013				0.033						0.014					0.039				0.037		

Dial A Dump (EC) Pty Ltd
Groundwater Quality Monitoring



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BH11i	Pollutant	Units	2015		2016			2017				2018				2019				2020						
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
	*C10 - C14	µg/L			<50			<50				<50				<50					78					
	*C15 - C28	µg/L			<100			<100				<100				<100					280					
	*C29 - C36	µg/L			<50			<50				<50				<100					<100					
	*C6 - C9	µg/L			20			50				<20				32					<10					
	*meta & para-Xylene	µg/L			<2			<2				<2				<1					<2					
	*Naphthalene	µg/L			<5			<5				<1				<1					<1					
	*Nitrate	mg/L	0.01	<0.01	0.22	0.52		<0.01	0.17	<0.01	<0.01	<0.01	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	<0.005	0.008	<0.005			
	*Nitrite	mg/L	0.32	0.44	0.22	<0.01		<0.01	0.38	0.06	<0.01	<0.01	<0.01	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.008	<0.005	
	*ortho-Xylene	µg/L			<2			<2	<2			<2				<1					<1					
	Alkalinity	mg/L	274	242	49	49		468	161	188	195	61	220	230	260	450	440	340	400	400	400	37	250	150		
	Aluminium	mg/L			0.01			<0.01	<0.01			0.04				0.17					0.03					
	Arsenic	mg/L			<0.001			0.001				0.002				0.009					0.004					
	Barium	mg/L			0.027			0.258				0.056				3.8					0.55					
	Benzene	µg/L			<1			<1				<1				5					2					
	Cadmium	mg/L			<0.0001			<0.0001				<0.0001				<0.0001					<0.0001					
	Calcium	mg/L	29	8	17	17		63	8	8	5	7	15	18	24	38	36	30	76	77	82	170	150			
	Chloride	mg/L	263	323	32	30		133	42	46	51	18	52	65	73	970	880	250	160	180	160	66	110			
	Chromium	mg/L			<0.001			0.004				<0.001				<0.001					0.002					
	Copper	mg/L			0.043			0.007				0.005				0.017					0.001					
	Electrical Conductivity	µS/cm	1330	1855	1820	2215		1670	4720	4910	569	1327	745	810	735	3383	3092	1483	1306	1290	1035	1069	1359			
	Ethyl Benzene	µg/L			<2			<2				<2				<1					<1					
	Fluoride	mg/L			1			0.2				0.8	1			0.6					0.8					
	Lead	mg/L			<0.001			0.01				<0.001				0.003					<0.001					
	Magnesium	mg/L	<1	<1	6	5		<1	3	3	2	2	2	3.3	4.1	14	13	6	6.5	6.9	6.3	7.4	8.1			
	Manganese	mg/L			0.002			0.002				0.002				0.095					0.26					
	Mercury	mg/L			<0.0001			<0.0001				<0.0001				<0.00005					<0.00005					
	Nitrate + nitrite	mg/L	0.33	0.16	0.44	0.52		0.37	0.23	<0.01	<0.01	<0.01	<0.01	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	<0.005	0.02	<0.005			
	Nitrogen (ammonia)	mg/L	10.5	6.1	0.02	0.01		6.65	0.47	0.49	1.05	1.04	0.99	0.76	0.75	2.3	2.4	1.3	1.1	1.2	1	0.42	1.6			
	pH		11	11.25	11.24	11.52		11.65	8.87	8.22	7.98	7.91	8.16	7.46	7.04	8.2	8.15	7.33	7.83	6.88	5.88	5.69	5.17			
	Phenols	µg/L			<1			<1				<1.0				<50					<0.05					
	Phosphorus	mg/L			<0.01			0.25				<0.01				<0.05					0.06					
	Potassium	mg/L	10	10	3	2		6	6	5	6	2	5	7.9	9.7	21	19	12	14	15	14	8.8	11			
	Redox	mV	-11.3	-47.6	-21.6	-65		-303.3	-143.9	-125	26.5	-45.3	-76.6	-179	-30.3	-112.5	-152.8	-264.7	25.3	-239	-186.1	17.3	-6.7			
	Sodium	mg/L	271	279	18	16		133	101	103	105	32	110	150	140	960	770	260	180	200	190	66	130			
	Standing water level	m AHD	40.64	40.814	40.64	39.49		41.34	41.227	40.78	40.755	40.56	40.572	40.6	40.12	39.79	39.95	39.99	nr	40.23	40.18	40.34	40.23			
	Sulphate	mg/L	5	6	10	9		5	17	15	21	11	24	27	26	3	2	13	18	46	37	250	150			
	Toluene	µg/L			<2			11				<2				4					<1					
	Total organic carbon	mg/L			4			13				7				14					33					
	Total Petroleum Hydrocarbons	µg/L			20			1330				<50				32					358					
	Xylene	µg/L			<2			<2				<2				<1					<2					
	Zinc	mg/L			0.013			0.019				0.01				0.066					0.012					

Well blocked by bin at the time of sampling

Well blocked by bin at the time of sampling

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BH13i	Pollutant	Units	2015		2016				2017				2018				2019				2020			
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L				<50					<50					<50					54				
*C15 - C28	µg/L				<100					<100					<100					<100				
*C29 - C36	µg/L				<50					<50					<50					<100				
*C6 - C9	µg/L				20					20					<20					<10				
*meta & para-Xylene	µg/L				<2					<2					<2					<1				
*Naphthalene	µg/L				<5					<5					<5					<1				
*Nitrate	mg/L	0.03	0.27	0.4	0.19	-	<0.01	0.08	0.27	0.3	0.18	0.14	0.18	0.34	0.3	0.47	0.41	0.32	0.39	0.39	0.44	0.68	0.7	
*Nitrite	mg/L	<0.01	0.52	0.62	0.42	-	0.29	0.25	0.22	0.16	0.12	0.11	0.1	0.11	0.17	0.21	0.22	0.24	0.26	0.24	0.19	0.3	0.42	
*ortho-Xylene	µg/L				<2					<2					<2					<1				
Alkalinity	mg/L	1780	413	480	622	1030	588	665			543	588	537	540	650	600	530	520	510	500	450	350	370	
Aluminium	mg/L			0.05				0.06				0.08				0.24				0.33				
Arsenic	mg/L			<0.001				0.001				<0.001				<0.001				<0.001				
Barium	mg/L			0.912				0.961				0.983				0.85				0.84				
Benzene	µg/L			2				2				2				<1				<1				
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001				
Calcium	mg/L	565	256	308	379	348	386	416	368	341	278	322	376	310	390	390	340	340	370	320	360	280	340	
Chloride	mg/L	4580	1130	1110	1010	1260	1140	1150	1020	1130	1130	1150	1090	1200	1200	1100	1100	1000	6600	1300	1200	1200	1200	
Chromium	mg/L			0.002				0.004				0.002				0.003				0.003				
Copper	mg/L			0.002				0.01				0.001				0.022				0.015				
Electrical Conductivity	µS/cm	13112	4375	6160	6020	5710	6900	6340	6040	5940	5408	6426	4036	4010	6132	5700	5243	5535	5810	5969	5608	4685	5235	
Ethyl Benzene	µg/L			<2				<2				<2				<1				<1				
Fluoride	mg/L			6.3			0.3	0.3				0.3	0.3			0.3				0.2				
Lead	mg/L			0.008				0.013				0.003				0.01				0.006				
Magnesium	mg/L	192	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Manganese	mg/L			<0.001				<0.001				<0.001				<0.005				<0.005				
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005				
Nitrate + nitrite	mg/L	0.03	0.79	1.02	0.61	0.15	0.27	0.33	0.49	0.46	0.3	0.25	0.28	0.45	0.47	0.68	0.63	0.56	0.65	0.63	0.62	0.98	1.1	
Nitrogen (ammonia)	mg/L	8.83	5.39	9.01	8.41	3.51	5.75	9.28	8.91	8.24	8.74	8.46	8.8	2.3	5.5	5.7	7.5	5.2	7.4	6.9	4.3	8.4	7.1	
pH		6.02	11.74	12.36	11.68	12.01	11.73	12.05	11.94	11.59	11.05	12.11	11.93	12.06	11.87	11.9	11.64	11.79	11.69	11.91	11.89	11.84	11.9	
Phenols	µg/L			<1				<0.05				<1.0				<50				<0.05				
Phosphorus	mg/L			<0.01				0.09				<0.01				0.2				<0.05				
Potassium	mg/L	81	26	21	24	21	23	23	20	20	26	22	21	25	26	25	23	19	20	22	20	19	19	
Redox	mV	28.9	-63.1	-294.9	-309	-317	-317.6	-331.4	-319	-325	-96.2	-104.2	-76	-91	-5.4	-63.9	-16.8	-74.9	-116.8	-85.6	-93.9	-127	1.1	
Sodium	mg/L	3710	704	615	673	648	665	665	638	617	654	610	593	780	870	900	640	610	580	660	670	600	580	
Standing water level	m AHD	60.37	60.425	62.977	62.425	63.75	62.37	61.023	61.534	61.59	61.37	61.227	61.152	59.15	58.33	57.09	56.11	55.89	55.95	55.59	56.19	56.14	56.24	
Sulphate	mg/L	<10	10	8	6	6	5	2	6	6	7	5	7	8	9	12	8	11	<1	9	7	8	8	
Toluene	µg/L			<2				<2				<2				<1				<1				
Total organic carbon	mg/L			5				19				6				12				10				
Total Petroleum Hydrocarbons	µg/L			20				<50				<50				<100				54				
Xylene	µg/L			<2				<2				<2				<1				<2				
Zinc	mg/L			0.006				0.025				<0.005				0.086				0.022				

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BH14s	Pollutant	Units	2015		2016				2017				2018				2019				2020				
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
*C10 - C14	µg/L				<50					<50					<50					160					
*C15 - C28	µg/L				<100					<100					<100					180					
*C29 - C36	µg/L				<50					<50					<100					<100					
*C6 - C9	µg/L				<20					<20					<10					<10					
*meta & para-Xylene	µg/L				<2					<2					<2					<2					
*Naphthalene	µg/L				<5					<5					<1					<1					
*Nitrate	mg/L	0.01	0.01	-	0.03	<0.01	<0.01			0.06	<0.01	<0.01	<0.01	0.05	2.72	0.04	<0.005	0.01	<0.005	0.02	0.02	0.007	0.03	0.01	0.05
*Nitrite	mg/L	<0.01	<0.01	-	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
*ortho-Xylene	µg/L				<2					<2					<2					<0.001					
Alkalinity	mg/L	690	857	882	997	825	884	992	940	846	965	958	950	950	1000	1000	1000	1000	990	1100	990	1100	1100	1100	
Aluminium	mg/L			0.01				<0.01				0.04								<0.01					
Arsenic	mg/L			0.012				0.008				0.004								0.003					
Barium	mg/L			2.35				2.54				2.23								2.2					
Benzene	µg/L			<1				<1				<1								<1					
Cadmium	mg/L			<0.0001				<0.0001				<0.0001								<0.0001					
Calcium	mg/L	270	14	21	21	19	23	20	13	13	7	18	16	13	12	13	12	13	15	18	16	15	16	16	
Chloride	mg/L	3710	310	422	428	386	366	372	400	384	375	389	390	360	340	350	340	320	390	430	420	470	380		
Chromium	mg/L			<0.001				<0.001				<0.001								<0.001					
Copper	mg/L			<0.001				<0.001				<0.001								0.019					
Electrical Conductivity	µS/cm	16506	9895	2720	2470	1960	2700	2710	2470	2490	2517	3610	1567	3090	2508	2449	2159	2650	2606	2821	2653	2725	3005		
Ethyl Benzene	µg/L			<2				<2				<2								<1					
Fluoride	mg/L			0.4				0.3				0.4	0.2							0.3					
Lead	mg/L			<0.001				<0.001				<0.001								0.002					
Magnesium	mg/L	135	16	18	18	17	17	16	16	14	11	14	16	16	16	17	16	15	19	18	18	18	19		
Manganese	mg/L			0.039				0.028				0.024								0.036					
Mercury	mg/L			<0.0001				<0.0001				<0.0001								<0.00005					
Nitrate + nitrite	mg/L	0.01	0.01	<0.01	0.03	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.05	2.74	0.04	<0.005	0.01	<0.005	0.02	0.02	0.008	0.04	0.02	0.05		
Nitrogen (ammonia)	mg/L	1.04	0.74	1.2	1.32	1.44	1.33	1.41	1.5	1.31	1.36	1.31	1.19	0.93	1.4	1.1	1.6	1.7	1.6	1.7	1.7	2	1.7		
pH		5.73	7.03	8.04	7.59	8.01	7.68	7.73	8.22	7.62	7.68	8.43	7.77	7.64	7.1	7.6	7.98	7.52	7.63	7.6	7.35	7.6	7.53		
Phenols	µg/L			<1				<0.05				<1								<0.05					
Phosphorus	mg/L			0.02				0.36				0.01								2.4					
Potassium	mg/L	36	10	11	10	10	11	11	11	9	11	9	10	13	12	13	12	12	13	10	11	12	12		
Redox	mV	55.5	22.1	-40.8	65.9	-35.8	-74.5	-77.1	-104	-89.5	-104.1	-129.5	-99.3	-82	-109.7	-126.5	-102.2	-134.9	-159	-112.1	-151.4	-156.1	-102.9		
Sodium	mg/L	2580	642	659	643	684	615	651	674	554	555	579	572	750	790	890	670	600	670	570	670	700	600		
Standing water level	m AHD	51.31	51.076	51.841	51.903	52.39	51.94	51.884	51.929	51.94	51.948	51.864	51.883	51.45	51.85	51.31	51.52	51.61	51.57	50.66	51.71	51.66	51.56		
Sulphate	mg/L	<1	<1	2	2	13	8	8	6	10	9	4	11	15	10	6	4	6	5	3	7	4	2		
Toluene	µg/L			<2				<2				<2								<1					
Total organic carbon	mg/L			2				7				4								6					
Total Petroleum Hydrocarbons	µg/L			<0.5				<50				<50								160					
Xylene	µg/L			<2				<2				<2								<1					
Zinc	mg/L			<0.005				0.006				0.006								0.033					

Dial A Dump (EC) Pty Ltd
Groundwater Quality Monitoring



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BH15s & BH15As	Pollutant	Units	2015		2016				2017				2018				2019		2020					
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L				<50					<50					<50					<50				
*C15 - C28	µg/L				<100					<100					<100					<100				
*C29 - C36	µg/L				<50					<50					<50					<100				
*C6 - C9	µg/L				<20					<20					<20					<10				
*meta & para-Xylene	µg/L				<2					<2.0					<2					<2				
*Naphthalene	µg/L				<5					<1.0					<5					<1				
*Nitrate	mg/L	0.51	22.2	-	0.04	0.03	-	0.13	0.05	<0.01	0.07	0.04	0.04	0.058	0.02	0.04	0.008		0.065	0.03	0.06	0.33	0.11	
*Nitrite	mg/L	0.02	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005		0.015	0.009	0.006	0.66	0.008	
*ortho-Xylene	µg/L				<2					<2.0					<2					<1				
Alkalinity	mg/L	1250	777	1030	1110	1040	1060	1010	1080	1100	1230	1210	1180	1200	1200	1200	1200		1600	1600	1500	1400	1600	
Aluminium	mg/L				<0.01					<0.01					<0.01					0.01				
Arsenic	mg/L				0.002					0.001					<0.001					<0.001				
Barium	mg/L				0.056					0.057					0.109					0.11				
Benzene	µg/L				<1					<1.0					<1					<1				
Cadmium	mg/L				<0.0001					<0.0001					<0.0001					<0.0001				
Calcium	mg/L	84	76	81	82	85	88	80	75	98	64	85	71	69	68	69	71		74	71	70	62	72	
Chloride	mg/L	1310	1260	1790	1360	1470	1440	1170	1380	1320	1370	1400	1280	1400	1400	1400	1300		1900	2000	1800	1900	1800	
Chromium	mg/L				<0.001					<0.001					<0.001					<0.001				
Copper	mg/L				<0.001					<0.001					<0.001					0.004				
Electrical Conductivity	µS/cm	5942	5610	6150	5940	5790	6090	6220	5520	5920	4929	7912	3584	6470	5865	5784	5753		7622	7780	7765	7225	7484	
Ethyl Benzene	µg/L				<2					<2.0					<2					<1				
Fluoride	mg/L				0.2					0.2					0.2					0.2				
Lead	mg/L				<0.001					<0.001					<0.001					<0.001				
Magnesium	mg/L	224	204	198	186	185	178	178	174	188	176	192	182	180	180	180	180		240	230	210	200	210	
Manganese	mg/L				0.053					0.036					0.09					0.14				
Mercury	mg/L				<0.0001					<0.0001					<0.0001					<0.00005				
Nitrate + nitrite	mg/L	0.53	22.2	0.03	0.04	0.03	0.1	0.13	0.05	<0.01	0.07	0.04	0.04		0.02	0.04	0.008		0.08	0.04	0.07	0.99	0.1	
Nitrogen (ammonia)	mg/L	0.06	0.01	0.06	0.1	0.06	0.03	0.05	0.07	0.17	0.09	0.09	0.04	0.058	0.049	0.056	0.05		1	1	1	0.39	1.4	
pH		7.26	6.99	7.66	6.73	7.82	7.12	7.66	7.8	7.1	7.12	7.15	7.34	6.95	6.79	8	7.84		8.34	7.7	7.38	6.93	7.13	
Phenols	µg/L				<1					<1					<1.0					<0.05				
Phosphorus	mg/L				<0.01					0.02					<0.01					1.1				
Potassium	mg/L	20	18	16	16	16	16	21	15	16	20	16	16	18	20	18	19		21	20	21	21	20	
Redox	mV	86.3	23.4	-19	-21.8	-25	-42.4	-69.2	-79.5	-57.6	104.4	-8.5	102.1	45	21.2	-36.1	-35.1		-140.5	-28.6	-118.9	2.7	51.6	
Sodium	mg/L	1200	1140	1160	1060	1200	1070	1060	1140	1140	1050	1140	1020	1300	1400	1300	1000		1300	1400	1500	1400	1500	
Standing water level	m AHD	66.17	65.924	66.301	66.31	67.39	66.28	66.338	66.33	66.34	66.351	66.323	66.306	66.13	66.2	66.26	66.18		65.52	65.53	65.54	65.46	65.56	
Sulphate	mg/L	244	224	230	205	227	205	182	199	220	244	221	237	210	190	190	200		150	150	140	140	140	
Toluene	µg/L				<2					<2.0					<2					<1				
Total organic carbon	mg/L				<1					2					2					2				
Total Petroleum Hydrocarbons	µg/L				<0.5					<50					<50					<100				
Xylene	µg/L				<2					-					<2					<2				
Zinc	mg/L				0.017					0.01					0.012					0.021				

WELL DESTROYED

Dial A Dump (EC) Pty Ltd
Groundwater Quality Monitoring



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BH17d	Pollutant	Units	2015		2016				2017				2018				2019				2020						
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
	*C10 - C14	µg/L			<50				<50					<50					<50					250			
	*C15 - C28	µg/L			<100				<100					<100					<100					180			
	*C29 - C36	µg/L			<50				<50					<50					<100					<100			
	*C6 - C9	µg/L			20				110					70					92					30			
	*meta & para-Xylene	µg/L			<2				6					5					6					<2			
	*Naphthalene	µg/L			<5				<5					<5					<1					<1			
	*Nitrate	mg/L	0.02	<0.01	0.33	0.09	-	<0.01	0.07	<0.01	0.04	0.03	0.01	<0.01	0.13	0.14	0.12	0.064	0.02	0.03	0.63	0.63	<0.005	0.006	0.02		
	*Nitrite	mg/L	<0.01	<0.01	0.1	<0.01	-	0.02	0.02	0.04	0.06	0.06	0.07	0.07	0.062	0.056	0.061	0.052	0.052	0.046	0.034	0.04	0.029	0.016			
	*ortho-Xylene	µg/L			<2				3					2					3					<1			
	Alkalinity	mg/L	1740	1480	49	2140	831	1310	1440	1490	1650	1500	1850	1970	2000	1400	2200	2050	5100	1900	2000	1600	2100	970			
	Aluminium	mg/L			0.01				0.24					0.24				0.39						0.19			
	Arsenic	mg/L			<0.001				0.001					<0.001				<0.001					<0.001				
	Barium	mg/L			0.025				0.549					0.795				0.95					1.2				
	Benzene	µg/L			<1				29					26				21					28				
	Cadmium	mg/L			<0.0001				<0.0001					<0.0001				<0.0001					<0.0001				
	Calcium	mg/L	70	23	18	227	<1	26	53	<1	100	166	222	204	260	300	360	270	210	260	270	280	270	72			
	Chloride	mg/L	215	251	33	200	145	282	286	293	270	316	297	339	280	250	230	280	220	320	320	280	260	200			
	Chromium	mg/L			<0.001				0.001					0.029				0.046					<0.001				
	Copper	mg/L			0.045				0.005					0.009				0.02					0.007				
	Electrical Conductivity	µS/cm	6961	7781	7530	8740	5970	6370	7010	7100	7890	4832	12028	7807	9060	8452	8521	8199	7125	8019	8715	8670	8014	8184			
	Ethyl Benzene	µg/L			<2				<2					<2				<1					<1				
	Fluoride	mg/L			1.1				0.3					0.2	0.2			0.1					0.2				
	Lead	mg/L			<0.001				<0.001					0.002				0.005					0.003				
	Magnesium	mg/L	<1	<1	6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Manganese	mg/L			0.002				<0.001					<0.001				<0.005					<0.005				
	Mercury	mg/L			<0.0001				<0.0001					<0.0001				<0.00005					<0.00005				
	Nitrate + nitrite	mg/L	0.02	<0.01	0.43	0.09	0.03	0.02	0.09	0.04	0.1	0.09	0.08	0.07	0.192	0.196	0.181	0.116	0.072	0.07	0.66	0.66	0.04	0.03	0.04		
	Nitrogen (ammonia)	mg/L	35	41.7	0.01	25.9	14.6	32.9	32.7	31.3	29.5	30.9	30.1	29.6	15	17	13	22	17	27	22	22	15	14			
	pH		13	11.55	11.14	12.24	12.06	12.22	12.02	12.5	12.11	11.48	12.5	12.5	12.43	12.19	12.19	12.41	12.24	12.01	12.65	0.32	0.23	1.51			
	Phenols	µg/L			<1				<0.05					<1.0				<50					<0.05				
	Phosphorus	mg/L			<0.01				0.07					<0.01				<0.05					<0.05				
	Potassium	mg/L	38	30	3	30	15	32	26	26	22	27	23	20	26	27	24	30	21	26	22	25	24	25			
	Redox	mV	-276.5	-263.4	-193.2	-341.2	-334	-340.6	-331.8	-355.4	-354	-126.1	-121.7	-106.3	-87	-30.9	-124.5	-218.9	-109.2	-265.2	-175.7	-158.9	-89.7	-276.7			
	Sodium	mg/L	780	755	18	758	405	762	778	778	761	813	722	646	860	920	870	760	620	730	760	800	990	470			
	Standing water level	m AHD	28.72	28.666	28.984	28.901	26.1	24.34	23.77	29.068	29.12	29.09	24.488	29.027	28.93	28.95	29.05	28.29	28.26	29.08	29.1	28.95	NR	32.18			
	Sulphate	mg/L	<1	<1	10	<1	5	11	6	26	<1	16	14	20	24	16	12	11	8	9	9	8	10	280			
	Toluene	µg/L			<2				28					21				2					13				
	Total organic carbon	mg/L			4				12					3				6					10				
	Total Petroleum Hydrocarbons	µg/L			<50				<50					<50				92					460				
	Xylene	µg/L			<2				9					7				9					<2				
	Zinc	mg/L			0.011				<0.005					0.012				0.06					0.13				

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BH18d	Pollutant	Units	2015		2016				2017				2018				2019				2020			
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L				<50				<50				<50				<50				54			
*C15 - C28	µg/L				<100				<100				<100				<100				120			
*C29 - C36	µg/L				<50				<50				<50				<100				<100			
*C6 - C9	µg/L				<20				<20				<20				<10				<10			
*meta & para-Xylene	µg/L				<2				<2				<2				<2				<2			
*Naphthalene	µg/L				<5				<5				<5				<1				<1			
*Nitrate	mg/L	<0.01	0.28		-	0.59	4.2	-	<0.01	0.4	0.07	0.21	<0.01	0.03	0.04	<0.005	0.007	<0.005	<0.005	0.19	0.005	<0.005	<0.005	<0.005
*Nitrite	mg/L	<0.01	1.78		-	<0.01	<0.01	-	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
*ortho-Xylene	µg/L				<2				<2				<2				<1				<1			
Alkalinity	mg/L	465	134	652	49	679	293	468	46	153	47	459	533	540	550	570	920	840	810	850	870	820	770	
Aluminium	mg/L			<0.01				<0.01				<0.01				<0.01				0.01				
Arsenic	mg/L			<0.001				0.001				<0.001				<0.001				<0.001				
Barium	mg/L			26				15.1				5.9				2.3				1.8				
Benzene	µg/L			1				<1				<1				<1				<1				
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001				
Calcium	mg/L	404	76	259	18	142	6	235	17	10	13	136	92	76	150	91	310	140	160	170	180	170	190	
Chloride	mg/L	5330	58	3880	30	3460	89	3570	29	47	29	3520	3720	3200	3500	3400	3200	2600	3400	3500	3200	3400	3600	
Chromium	mg/L			<0.001				<0.001				<0.001				<0.001				0.004				
Copper	mg/L			<0.001				<0.001				0.009				0.03				0.006				
Electrical Conductivity	µS/cm	15820	15800	11590	15850	11800	12050	11180	12720	11983	11961	16706	6853	11010	11125	5418	10929	10311	10322	5126	10890	9866	11424	
Ethyl Benzene	µg/L			<2				<2				<2				<1				<1				
Fluoride	mg/L			0.2				0.2				0.3	0.4			0.3				0.4				
Lead	mg/L			<0.001				<0.001				<0.001				0.003				<0.001				
Magnesium	mg/L	200	11	109	5	15	2	107	6	2	4	30	18	19	26	26	80	19	21	22	24	25	29	
Manganese	mg/L			0.021				0.048				0.039				<0.005				0.17				
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005				
Nitrate + nitrite	mg/L	<0.01	2.06	0.02	0.59	4.2	0.05	<0.01	0.4	0.08	0.21	<0.01	0.03	0.051	<0.005	0.007	<0.005	<0.005	0.19	0.005	<0.005	<0.005	<0.005	
Nitrogen (ammonia)	mg/L	7.26	0.06	5.71	<0.01	7.55	1.4	4.77	0.03	0.04	0.04	1.58	9.28	22	13	13	8.2	14	14	15	16	15	15	
pH		6.03	6.01		6.01	7.75	7.51	6.94	7	7.17	7.07	8.1	7.76	7.7	7.43	7.73	7.11	7.28	7.35	5.78	6.67	6.84	7.16	
Phenols	µg/L			<1				<1				<1.0				<50				<0.05				
Phosphorus	mg/L			<0.01				0.04				<0.01				<0.05				0.1				
Potassium	mg/L	48	3	68	2	106	9	84	2	4	2	127	131	140	370	150	98	130	130	140	140	120	120	
Redox	mV	98.7	100.3	-14	-38.7	-19.4	-24.7	-30.2	-27.85	-27.7	-28.7	-1	124.6	-9	49.3	8.6	-122	-157.9	-166.5	-49.3	-140.2	-264	69.3	
Sodium	mg/L	3640	72	2010	16	1800	209	2040	19	117	18	2290	2140	2700	5300	2900	2100	1800	2000	2200	2400	2100	1800	
Standing water level	m AHD	30.57	30.761	30.658	30.739	28.84	26.76	30.376	30.658	30.63	29.735	30.704	30.715	30.64	30.8	29.94	30.05	30.43	30.74	30.78	30.71	30.76	30.88	
Sulphate	mg/L	<10	182		<1	9	37	17	6	11	30	10	65	16	110	26	15	<1	23	25	18	7	<1	
Toluene	µg/L			<2				<2				<2				<1				<1				
Total organic carbon	mg/L			<1				16				22				31				35				
Total Petroleum Hydrocarbons	µg/L			<50				<50				<50				<100				174				
Xylene	µg/L			<2				<2				<2				<1				<2				
Zinc	mg/L			0.012				0.016				0.032				0.041				16				

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BH19s	Pollutant	Units	2017				2018				2019				2020						
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
*C10 - C14	µg/L						<50					<50					<50				
*C15 - C28	µg/L						<100					<100					<100				
*C29 - C36	µg/L						<50					<50					<50				
*C6 - C9	µg/L						<20					<10					<10				
*meta & para-Xylene	µg/L						<2					<2					<2				
*Naphthalene	µg/L						<5					<1					<1				
*Nitrate	mg/L		0.02	<0.01	<0.01		<0.01	0.01	0.007		<0.005	<0.005	0.02	<0.005	<0.005	0.01	0.007	0.01			
*Nitrite	mg/L		0.02	<0.01	<0.01		<0.01	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
*ortho-Xylene	µg/L						<2					<1					<1				
Alkalinity	mg/L		763	890	860		876	861	680	730		780	740	640	630		810	800	790	1000	
Aluminium	mg/L						<0.01					<0.01					0.19				
Arsenic	mg/L						0.003					0.002					0.002				
Barium	mg/L						8.14					9.5					7.6				
Benzene	µg/L						<1					<1					<1				
Cadmium	mg/L						<0.0001					<0.0001					<0.0001				
Calcium	mg/L		10	17	23		37	28	53	57		43	45	54	60		36	38	46	21	
Chloride	mg/L		496	797	1470		1320	1390	2400	2300		1900	2000	2100	2800		1800	1	<1	<1	
Chromium	mg/L						<0.001					<0.001					<0.001				
Copper	mg/L						<0.001					0.007					0.001				
Electrical Conductivity	µS/cm		2510	4800	5909		7111	2670	7360	8317		6490	6618	7932	7634		5471	5916	7088	3958	
Ethyl Benzene	µg/L						<2					<1					<1				
Fluoride	mg/L						0.4					0.3					0.3				
Lead	mg/L						<0.001					<0.001					<0.001				
Magnesium	mg/L		7	12	23		26	20	48	52		38	38	50	56		31	31	42	18	
Manganese	mg/L						0.069					0.017					0.014				
Mercury	mg/L						<0.0001					<0.00005					<0.00005				
Nitrate + nitrite	mg/L		0.04	<0.01	<0.01		<0.01	<0.01	0.01	0.007		<0.005	<0.005	0.02	<0.005	<0.005	0.01	0.008	0.02		
Nitrogen (ammonia)	mg/L		1.53	1.74	3.42		4.72	3.16	4.2	4.4		3.7	3.7	4.7	4.8		3.8	3.6	4.1	2.6	
pH			8.1	7.59	7.94		7.99	7.89	7.46	7.29		7.46	7.73	7.47	7.61		7.79	6.21	7.55	7.39	
Phenols	µg/L						<1.0					<0.05					<0.05				
Phosphorus	mg/L						0.03					<0.05					0.06				
Potassium	mg/L		8	9	20		13	14	26	30		24	23	24	30		16	17	22	14	
Redox	mV		-99.4	-88.1	-130.3		-116	-141.7	-154	-109.8		-87.3	-94.7	-135.6	-148.8		-134	-90	-99.1	-94.6	
Sodium	mg/L		679	846	1210		1190	1170	2300	2300		1900	1500	1600	1500		1100	1500	1400	920	
Standing water level	m AHD		43.992	43.764	43.721		43.57	43.6	43.489	43.839		43.86	43.619	43.219	43.29		43.95	43.74	43.89	43.86	
Sulphate	mg/L		16	<1	<1		<1	<1	3	<1		<1	1	<1	<1		<1	1	<1	<1	
Toluene	µg/L						<2					<1					<1				
Total organic carbon	mg/L						2					2					8				
Total Petroleum Hydrocarbons	µg/L						<50					<50					<50				
Xylene	µg/L						<2					<2					<2				
Zinc	mg/L						<0.005					0.026					0.01				

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BH20s	Pollutant	Units	2017				2018				2019				2020						
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
*C10 - C14	µg/L						<50					<50					<50				
*C15 - C28	µg/L						<100					<100					<100				
*C29 - C36	µg/L						<50					<100					<100				
*C6 - C9	µg/L						<20					<10					<10				
*meta & para-Xylene	µg/L						<2					<2					<1				
*Naphthalene	µg/L						<5					<1					<1				
*Nitrate	mg/L		<0.01	<0.01	<0.01		<0.01	<0.01	0.3	0.45		0.76	0.54	0.33	0.57		4.5	4	0.93	0.56	
*Nitrite	mg/L		<0.01	<0.01	<0.01		<0.01	<0.01	0.098	0.007		<0.005	0.019	0.007	0.047		<0.005	0.19	<0.005	<0.005	
*ortho-Xylene	µg/L						<2					<1					<1				
Alkalinity	mg/L		457	645	723		890	1000	900	1000		1400	1300	1300	1200		390	660	710	710	
Aluminium	mg/L						0.01					<0.01					0.02				
Arsenic	mg/L						0.003					<0.001					<0.001				
Barium	mg/L						0.039					0.09					0.042				
Benzene	µg/L						<1					<1					<1				
Cadmium	mg/L						<0.0001					<0.0001					<0.0001				
Calcium	mg/L		3	10	7		16	26	40	51		75	76	83	89		28	56	49	46	
Chloride	mg/L		226	320	547		546	806	1100	1200		1400	1400	1700	1800		330	650	290	310	
Chromium	mg/L						<0.001					<0.001					<0.001				
Copper	mg/L						<0.001					0.014					0.006				
Electrical Conductivity	µS/cm		1370	2160	2399		2883	2097	4870	5500		6387	6722	7543	7202		2546	4350	3303	3590	
Ethyl Benzene	µg/L						<2					<1					<1				
Fluoride	mg/L			0.6	0.5		0.4	0.3				0.2					0.4				
Lead	mg/L						<0.001					0.001					<0.001				
Magnesium	mg/L		3	12	10		16	35	59	79		140	130	150	170		41	85	68	64	
Manganese	mg/L						0.05					0.085					0.014				
Mercury	mg/L						<0.0001					<0.00005					<0.00005				
Nitrate + nitrite	mg/L		<0.01	<0.01	<0.01		<0.01	<0.01	0.398	0.457		0.76	0.559	0.337	0.62		4.5	4.2	0.93	0.57	
Nitrogen (ammonia)	mg/L		0.45	0.66	0.76		0.87	1.08	0.58	0.51		0.38	0.66	0.79	0.25		0.024	0.095	0.067	0.13	
pH			8.25	7.97	7.49		7.73	7.6	7.39	7.14		7.45	7.81	7.56	7.17		7.5	7.14	8.57	7.63	
Phenols	µg/L						<1.0					<0.05					<0.05				
Phosphorus	mg/L						0.01					0.07					<0.05				
Potassium	mg/L		3	5	7		7	7	13	16		19	18	15	15		7	10	9.2	8.6	
Redox	mV		-107.8	-110.2	-12.4		20.9	-19.4	29	-31.1		7.49	26.6	121.6	14.5		-38.6	5.3	34.4	53.9	
Sodium	mg/L		377	572	651		785	952	1400	1400		1800	1300	1500	1400		530	840	710	710	
Standing water level	m AHD		71.179	70.634	70.421		70.49	70.37	69.938	69.788		70.62	70.568	70.218	70.28		73.78	71.11	73.1	73.12	
Sulphate	mg/L		125	208	251		317	349	280	240		320	360	310	430		480	520	810	700	
Toluene	µg/L						<2					<1					<1				
Total organic carbon	mg/L						18					7					4				
Total Petroleum Hydrocarbons	µg/L						<50					<50					<50				
Xylene	µg/L						<2					<2					<1				
Zinc	mg/L						0.008					0.36					0.026				

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BH21s	Pollutant	Units	2017				2018				2019				2020			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L					<50				<50				<50				
*C15 - C28	µg/L					<100				<100				<100				
*C29 - C36	µg/L					<50				<50				<100				
*C6 - C9	µg/L					<20				<10				<10				
*meta & para-Xylene	µg/L					<2				<2				<2				
*Naphthalene	µg/L					<5				<1				<1				
*Nitrate	mg/L		0.03	0.02	0.09	0.01	0.05	0.056	0.18	0.02			0.35	0.39			0.34	
*Nitrite	mg/L		0.01	<0.01	<0.01	0.01	0.03	0.008	0.008	0.05			<0.005	<0.005			<0.005	
*ortho-Xylene	µg/L					<2				<1				<1				
Alkalinity	mg/L		987	1100	1110	1080	1080	1100	1100	1100			1100	1100			1100	
Aluminium	mg/L					<0.01				<0.01				0.01				
Arsenic	mg/L					<0.001				<0.001				<0.001				
Barium	mg/L					0.083				0.09				0.075				
Benzene	µg/L					<1				<1				<1				
Cadmium	mg/L					<0.0001				1E-04				1E-04				
Calcium	mg/L		59	70	53	69	62	61	76	61			69	61			57	
Chloride	mg/L		431	446	517	509	578	470	500	420			440	480			380	
Chromium	mg/L					<0.001				<0.001				<0.001				
Copper	mg/L					<0.001				0.029				0.007				
Electrical Conductivity	µS/cm		2920	2980	3181	4764	2446	3620	3222	2941			3111	3630			2280	
Ethyl Benzene	µg/L					<2				<1				<1				
Fluoride	mg/L			0.2	0.1	0.2	<0.1			0.1				0.1				
Lead	mg/L					<0.001				0.002				<0.001				
Magnesium	mg/L		70	82	72	79	82	80	90	80			84	82			70	
Manganese	mg/L					0.118				0.12				0.013				
Mercury	mg/L					<0.0001				5E-05				<0.00005				
Nitrate + nitrite	mg/L		0.04	0.02	0.09	0.02	0.08	0.064	0.188	0.07			0.35	0.39			0.3	
Nitrogen (ammonia)	mg/L		0.34	0.48	0.3	0.2	0.29	0.22	0.17	0.22			<0.005	0.007			<0.005	
pH			7.6	7.72	7.23	7.77	7.57	6.97	6.93	7.03			7.2	6.84			7.4	
Phenols	µg/L					<1.0				<0.05				<0.05				
Phosphorus	mg/L					<0.01				0.1				0.2				
Potassium	mg/L		8	9	10	8	9	10	11	9.4			10	11			9.3	
Redox	mV		-69.4	-94.4	59	-80	29.2	-41	-68.7	6.4			-44.6	18.7			61.3	
Sodium	mg/L		584	592	561	578	606	690	590	700			600	540			580	
Standing water level	m AHD		63.948	63.958	63.977	63.989	64.03	63.952	63.982	63.95			63.29	63.25			63.29	
Sulphate	mg/L		82	67	103	93	102	89	91	81			89	98			81	
Toluene	µg/L					<2				<1				<1				
Total organic carbon	mg/L					5				21				19				
Total Petroleum Hydrocarbons	µg/L					<50				<50				<50				
Xylene	µg/L					<2				<2				<2				
Zinc	mg/L					0.005				0.21				0.073				

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BH22s	Pollutant	Units	2017				2018				2019				2020			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L					<50				<50				<50				
*C15 - C28	µg/L					<100				<100				<100				
*C29 - C36	µg/L					<50				<50				<50				
*C6 - C9	µg/L					<20				<10				<10				
*meta & para-Xylene	µg/L					<2				<2				<2				
*Naphthalene	µg/L					<5				<1				<1				
*Nitrate	mg/L		0.51	0.56	1.9	2	1.82	0.01	0.01	<0.005	0.01	1.6	1.8	1.5	0.01	0.04	0.24	
*Nitrite	mg/L		<0.01	<0.01	<0.01	0.01	0.03	0.007	<0.005	0.009	0.016	0.024	<0.005	0.031	<0.005	0.016	0.012	
*ortho-Xylene	µg/L					<2				<1				<1				
Alkalinity	mg/L		129	86	642	837	993	940	950	960	1000	1000	1000	1000	910	1000	960	
Aluminium	mg/L					<0.01				<0.01				0.03				
Arsenic	mg/L					<0.001				<0.001				<0.001				
Barium	mg/L					0.493				0.18				0.087				
Benzene	µg/L					<1				<1				<1				
Cadmium	mg/L					<0.0001				<0.0001				<0.0001				
Calcium	mg/L		16	18	13	26	24	21	23	24	19	27	30	29	23	26	29	
Chloride	mg/L		76	39	409	499	669	580	630	600	590	550	550	600	580	630	480	
Chromium	mg/L					<0.001				<0.001				<0.001				
Copper	mg/L					<0.001				0.051				0.003				
Electrical Conductivity	µS/cm		580	388	2311	4738	2564	4110	3922	3718	3684	4055	3940	4398	3946	3855	4173	
Ethyl Benzene	µg/L					<2				<1				<1				
Fluoride	mg/L			1.1	1	0.8	0.4			0.1				0.3				
Lead	mg/L					<0.001				0.005				<0.001				
Magnesium	mg/L		6	3	9	15	16	15	15	17	16	21	26	22	16	17	24	
Manganese	mg/L					0.087				0.046				0.017				
Mercury	mg/L					<0.0001				5E-05				<0.00005				
Nitrate + nitrite	mg/L		0.51	0.56	1.9	2.01	1.85	0.017	0.01	0.009	0.026	1.624	1.8	1.5	0.02	0.06	0.3	
Nitrogen (ammonia)	mg/L		0.39	0.3	0.48	1.03	1.18	1	1.5	1.5	0.93	0.38	0.016	0.29	0.53	0.85	0.92	
pH			8.51	8.39	7.51	7.89	7.63	7.52	7.45	7.81	7.85	7.87	8.17	7.64	6.76	7.44	7.37	
Phenols	µg/L					<1.0				<1.0				<0.05				
Phosphorus	mg/L					<0.01				<0.05				<0.05				
Potassium	mg/L		3	2	5	6	7	11	9.6	8.3	8.8	9.1	10	7.9	7.9	8.9	9.2	
Redox	mV		-124.2	-134.3	30.9	-25.2	89.7	-71	-76.1	6.3	-76	-26.5	-38.1	-79.5	-69.1	-66.2	-9.5	
Sodium	mg/L		95	37	516	759	906	960	1100	1100	850	900	960	840	820	980	890	
Standing water level	m AHD		62.704	61.895	62.055	61.01	60.68	59.705	59.925	60.19	59.595	58.145	58.56	61.11	61.29	61.7	63.02	
Sulphate	mg/L		34	18	179	213	270	210	190	240	280	240	420	390	310	280	240	
Toluene	µg/L					<2				<1				<1				
Total organic carbon	mg/L					5				14				9				
Total Petroleum Hydrocarbons	µg/L					<50				<50				<50				
Xylene	µg/L					<2				<2				<2				
Zinc	mg/L					0.008				0.14				0.017				

Dial A Dump (EC) Pty Ltd
Groundwater Quality Monitoring



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BH23i	Pollutant	Units	2017				2018				2019				2020						
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
*C10 - C14	µg/L						<50					<50					<50				
*C15 - C28	µg/L						<100					<100					<100				
*C29 - C36	µg/L						<50					<50					<50				
*C6 - C9	µg/L						<20					<10					<10				
*meta & para-Xylene	µg/L						<2					<2					<2				
*Naphthalene	µg/L						<5					<1					<1				
*Nitrate	mg/L		0.39	0.78	1.11	1.38	1.39	1.6	1.9	1.5	1.1	0.95	1.7	1.7							
*Nitrite	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01	0.005	<0.005	0.036	0.008	<0.005	<0.005	0.006							
*ortho-Xylene	µg/L						<2					<1					<1				
Alkalinity	mg/L		72	97	220	264	301	350	390	440	660	529	630	700							
Aluminium	mg/L					0.01				0.01				0.04							
Arsenic	mg/L					<0.001				<0.001				0.001							
Barium	mg/L					0.099				0.2				0.21							
Benzene	µg/L									<1				<1							
Cadmium	mg/L					<0.0001				<0.0001				2E-04							
Calcium	mg/L		11	13	16	26	29	30	39	36	25	39	63	63	1.4	0.84	0.27				
Chloride	mg/L		29	30	54	55	72	110	150	140	150	130	130	150	170	160	300				
Chromium	mg/L					0.002				0.001				0.002							
Copper	mg/L					0.002				0.044				0.052							
Electrical Conductivity	µS/cm		333	3470	652	1178	910	1222	1268	1276	1177	1344	1736	684	1968	1873	2759				
Ethyl Benzene	µg/L					<2				<1				<1							
Fluoride	mg/L			1.1	0.9	0.9	0.9			0.8				0.7							
Lead	mg/L					<0.001				0.003				0.001							
Magnesium	mg/L		4	4	10	16	17	21	27	25	17	27	43	41	18	15	20				
Manganese	mg/L					0.002				0.006				0.044							
Mercury	mg/L					<0.0001				5E-05				<0.00005							
Nitrate + nitrite	mg/L		0.39	0.78	1.11	1.38	1.39	1.605	1.9	1.536	1.1008	0.95	1.7	1.7	1.4	0.84	0.3				
Nitrogen (ammonia)	mg/L		0.33	0.03	0.05	<0.01	0.02	0.084	0.034	<0.005	0.49	0.011	0.032	0.076	0.61	0.41	1				
pH			9.04	8.64	7.82	8.96	8.27	7.67	7.58	7.54	8.24	7.87	5.86	5.83	6.26	6.42	6.63				
Phenols	µg/L					<1.0				<0.05				<0.05							
Phosphorus	mg/L					<0.01				<0.05				<0.05							
Potassium	mg/L		3	3	3	3	4	5.1	5.3	4.9	7.2	4.6	4.7	5.1	30	26	33				
Redox	mV		-164.1	-149.7	47	-20.9	74.3	-31	53.8	44.7	58.8	89	90	91.2	-12.8	29.4	76.9				
Sodium	mg/L		47	44	100	129	140	220	210	290	390	260	260	260	470	530	520				
Standing water level	m AHD		52.647	50.904	50.324	50.77	46.09	49.381	39.391	36.49	34.691	34.451	28	28	23.09	32.14	33.27				
Sulphate	mg/L		14	15	37	44	53	60	68	69	110	80	100	110	140	140	110				
Toluene	µg/L					<2				<1				<1							
Total organic carbon	mg/L					6				15				49							
Total Petroleum Hydrocarbons	µg/L					<50				<50				<50							
Xylene	µg/L					<2				<2				<2							
Zinc	mg/L					0.013				0.097				0.64							

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BH24i	Pollutant	Units	2017				2018				2019				2020				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
	*C10 - C14	µg/L					<50					<50				<50			
	*C15 - C28	µg/L					<100					<100				180			
	*C29 - C36	µg/L					<50					<100				<100			
	*C6 - C9	µg/L					<20					33				<10			
	*meta & para-Xylene	µg/L					<2					<2				<2			
	*Naphthalene	µg/L					<5					<1				<1			
	*Nitrate	mg/L	0.37	0.15	0.1	0.08	0.08	0.19	0.008	0.33	<0.005	0.009	<0.005	0.078	<0.005	0.095	<0.005		
	*Nitrite	mg/L	<0.01	<0.01	<0.01	<0.01	0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005		
	*ortho-Xylene	µg/L					<2					<1				<1			
	Alkalinity	mg/L	127	159	158	179	187	190	210	540	750	760	800	510	680	600	620		
	Aluminium	mg/L					<0.01					0.02				0.04			
	Arsenic	mg/L					0.007					0.006				0.002			
	Barium	mg/L					0.326					0.43				0.39			
	Benzene	µg/L					<1					24				<1			
	Cadmium	mg/L					<0.0001					<0.0001				<0.0001			
	Calcium	mg/L	9	8	6	5	11	11	12	10	8.5	9.3	11	18	19	18	19		
	Chloride	mg/L	45	48	57	54	65	81	79	240	350	320	470	230	200	130	130		
	Chromium	mg/L					<0.001									<0.001			
	Copper	mg/L					<0.001					0.011				0.005			
	Electrical Conductivity	µS/cm	446	4770	1675	926	3787	867	916	1769	1224	2090	2576	845	2330	2225	2434		
	Ethyl Benzene	µg/L					<2					<1				<1			
	Fluoride	mg/L			1.4	0.4	1.2	1.1				1				0.9			
	Lead	mg/L					<0.001					<0.001				<0.001			
	Magnesium	mg/L	2	2	1	1	2	2.5	2.5	3.7	3.7	4.2	5.3	5.4	570	660	630		
	Manganese	mg/L					0.007					0.029				0.038			
	Mercury	mg/L					<0.0001					<0.00005				<0.00005			
	Nitrate + nitrite	mg/L	0.37	0.15	0.1	0.08	0.1	0.19	0.008	0.33	<0.005	0.009	<0.005	0.08	<0.005	0.1	<0.005		
	Nitrogen (ammonia)	mg/L	0.01	0.09	0.03	0.03	<0.01	<0.005	0.01	0.78	1.3	1.5	1.8	0.2	1	1.9	1.7		
	pH		8.98	9.28	8.02	8.98	8.86	8.45	7.83	8.03	8.11	8.07	7.78	8.21	7.75	8.39	9.15		
	Phenols	µg/L					<1.0					<0.05				<0.05			
	Phosphorus	mg/L					0.04					0.09				0.08			
	Potassium	mg/L	4	4	4	4	4	5.4	6.4	9.4	11	11	13	8.9	11	10	11		
	Redox	mV	-151.1	-185.7	-8.2	-43.5	19	-98	-32.4	-137	-126.3	-191.4	-220.2	-43.2	-140.8	23	-160.6		
	Sodium	mg/L	80	103	111	118	124	180	220	590	540	530	660	400	570	660	630		
	Standing water level	m AHD	38.41	38.315	38.42	38.05	38.12	37.51	36.31	36.87	37.01	36.65	36.67	38.09	37.87	37.29	37.92		
	Sulphate	mg/L	22	23	30	34	32	62	50	35	12	9	8	78	380	420	360		
	Toluene	µg/L					<2					<1				<1			
	Total organic carbon	mg/L					5					8				5			
	Total Petroleum Hydrocarbons	µg/L					<50					<50				180			
	Xylene	µg/L					<2					<2				<2			
	Zinc	mg/L					<0.005					0.016				0.13			

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BH25d	Pollutant	Units	2015		2016				2017				2018				2019				2020								
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
*C10 - C14	µg/L							<50																490					
*C15 - C28	µg/L							<100																	300				
*C29 - C36	µg/L							<50																	350				
*C6 - C9	µg/L							<20																	<10				
*meta & para-Xylene	µg/L							<2																	<2				
*Naphthalene	µg/L							<5																	<1				
*Nitrate	mg/L		<0.01					0.07																					
*Nitrite	mg/L		<0.01					<0.01																					
*ortho-Xylene	µg/L							<2																					
Alkalinity	mg/L		349					310	326	296	335	303	341	345	331	350	340	350	380	460	390	450	310	350	370	360			
Aluminium	mg/L							0.02											0.01						5.4				
Arsenic	mg/L							<0.001											<0.001						0.002				
Barium	mg/L							0.331											0.28						0.21				
Benzene	µg/L							<1											<1						<1				
Cadmium	mg/L							<0.0001											<0.0001						<0.0001				
Calcium	mg/L		5					4	3	6	7	4	8	5	10	10	13	16	35	57	140	130	97	110	110				
Chloride	mg/L		116					75	77	102	67	65	67	70	70	82	81	80	64	72	68	84	51	67	54	63			
Chromium	mg/L							<0.001											<0.001						0.009				
Copper	mg/L							<0.001											<0.001						0.006				
Electrical Conductivity	µS/cm		1047					810	3960	6980	10830	800	3250	862	1329	1845	1043	897	3945	834	950	1335	1036	966	1034	917			
Ethyl Benzene	µg/L							<2											<1						<1				
Fluoride	mg/L		0.8					1.1							1.1				1						0.7				
Lead	mg/L							<0.001							<0.001				<0.001						0.017				
Magnesium	mg/L		3					1	<1	2	2	1	1	1	2	2	1.9	1.9	2	2.8	5.9	8.4	10	6.6	6.7	6.8			
Manganese	mg/L							0.015							0.032				0.11						0.67				
Mercury	mg/L							<0.0001							<0.0001				<0.00005						<0.00005				
Nitrate + nitrite	mg/L		<0.01					0.07	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.03	0.008	<0.005	<0.005	0.016	<0.005	0.02	<0.005	<0.005	<0.005			
Nitrogen (ammonia)	mg/L		0.46					1.11	1.19	1.34	1.38	1.41	1.36	1.36	1.34	1.47	1.2	1.4	1.4	1	1.7	1.5	1.1	2.4	2.6	3.9			
pH			8.33					8.37	8.77	8.12	7.97	9.07	8.26	7.78	8	8.7	7.99	7.94	8.02	8.36	8.1	7.91	8.49	7.94	8.05	7.94			
Phenols	µg/L							<0.05							<1.0				<50						<0.05				
Phosphorus	mg/L							0.04							<0.01				0.2						0.4				
Potassium	mg/L		12					8	8	9	8	8	8	8	8	8	9.5	97	9.2	8.6	11	13	11	9.5	9.1	9.9			
Redox	mV		-18.3					-117.5	-132	-101.4	-93	-155.7	-127	-13.8	-7.6	-132.8	-115	-111.7	167.1	-180.7	NR	-246.8	-212.7	-255.8	-251.4	-218.7			
Sodium	mg/L		231					187	189	204	189	188	165	180	187	189	230	180	220	160	170	180	120	110	83	85			
Standing water level	m AHD		56.947					41.266	45.61	45.02	43.851	42.388	41.33	40.772	40.101	39.157	33.34	31.669	32.149	37.969	37.91	44.26	58.99	62.82	63.95	66.54			
Sulphate	mg/L		29					18	17	18	17	17	14	18	17	15	17	18	17	39	20	220	120	97	110	81			
Toluene	µg/L							<2							<2				<1					<1					
Total organic carbon	mg/L							7							6				8					29					
Total Petroleum Hydrocarbons	µg/L							<50							<50				<100					1140					
Xylene	µg/L							<2							<2				<1					<2					
Zinc	mg/L							<0.005							0.006				0.002					0.22					

it did not exist

well covered unable to sample

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BH12d & BH26d Pollutant	Units	2015		2016				2017				2018				2019				2020			
		Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L			<50				<50				<50			<50				240				
*C15 - C28	µg/L			<100				<100				<100			<100				120				
*C29 - C36	µg/L			<50				<50				<50			<100				<100				
*C6 - C9	µg/L			80				40				70			<10				13				
*meta & para-Xylene	µg/L			8				9				20			<2				3				
*Naphthalene	µg/L			<5				<5				<5			<1				<1				
*Nitrate	mg/L	<0.01	<0.01	0.05	0.09	<0.01	<0.01	0.04	<0.01	<0.01	0.02	0.02	0.04	0.02	<0.005	0.007	0.31	<0.005	<0.005	<0.005	0.008		
*Nitrite	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
*ortho-Xylene	µg/L			4				4				8			<1				<1				
Alkalinity	mg/L	506	584	753	627	349	554	824	938	948	943	933	930	1000	1000	1000	1000	650	1100	1100	1100	1100	
Aluminium	mg/L			0.02			<0.01				<0.01				<0.01				<0.01				
Arsenic	mg/L			0.002			0.002				0.002				0.004				0.002				
Barium	mg/L			6.8			7.29				25.1				20				24				
Benzene	µg/L			10			8				14				<1				10				
Cadmium	mg/L		<0.0001				<0.0001				<0.0001				<0.0001				<0.0001				
Calcium	mg/L	8	88	170	184	87	84	180	165	182	223	191	200	210	220	190	220	260	250	250	210	250	
Chloride	mg/L	3290	3610	3450	3230	1340	1930	3490	3190	3320	3410	3160	3000	2900	2900	2600	2500	3200	3100	2700	2900	2900	
Chromium	mg/L		<0.001				<0.001				<0.001				<0.001				<0.001				
Copper	mg/L		<0.001				<0.001				<0.001				0.019				0.002				
Electrical Conductivity	µS/cm	9872	11050	10750	10720	9570	10830			7070	5988	4231	10270	10480	9774	9993	9873	10528	9470	9753	9448	9956	
Ethyl Benzene	µg/L		<2				<2				2				<1				<1				
Fluoride	mg/L		0.2				0.2				0.2	0.1			0.1				0.1				
Lead	mg/L		<0.001				<0.001				<0.001				<0.001				<0.001				
Magnesium	mg/L	28	66	77	74	37	33	70	57	70	79	73	74	76	76	72	70	83	82	78	66	82	
Manganese	mg/L		0.122				0.124				0.2				0.16				0.18				
Mercury	mg/L		<0.0001				<0.0001				<0.0001				<0.00005				<0.00005				
Nitrate + nitrite	mg/L	<0.01	<0.01	0.05	0.09	<0.01	<0.01	0.04	<0.01	<0.01	0.02	0.02	0.04	0.02	<0.005	0.006	0.007	0.31	<0.005	<0.005	<0.005	0.01	
Nitrogen (ammonia)	mg/L	15.5	10.7	8.82	8.54	4.18	8.64	8.2	7.67	8.27	7.93	8.02	8	6.6	6.2	6.9	6.2	5.3	7.5	7.9	6.2	7	
pH		10.79	8.25	6.86	8.2	6.95	7.28			6.78	7.11	7.04	7.1	7.25	7.32	8.06	7.03	6.75	6.3	6.58	6.8	6.9	
Phenols	µg/L		1.5				<1				<1.0				<50				<0.05				
Phosphorus	mg/L		<0.01				<0.01				0.1				<0.005				<0.05				
Potassium	mg/L	103	73	78	70	36	30	64	54	83	70	63	69	82	80	73	61	75	63	74	65	62	
Redox	mV	-100.6	-53.7	-28.3	18.2	-31.3	-48.2			-143.1	-112.1	-140.4	-45	-74.3	-136.3	-260.1	-117.2	-13	-37.1	-109.9	-37.3	-56.9	
Sodium	mg/L	2190	2040	2240	2340	1030	928	2050	1550	1850	2110	1890	2500	2600	2600	1900	1500	1800	2100	2100	1900	1700	
Standing water level	m AHD	3.515	19.034	20.578	20.71	23.12	24.576	24.421	24.97	25.44	26.054	26.783	25.77	25.844	25.634	25.034	15.71	16.63	16.63	16.63	16.54	16.53	
Sulphate	mg/L	116	25	<1	2	2	<1	<10	<1	<10	<1	<5	4	2	4	3	13	1	<1	1	<1	<1	
Toluene	µg/L		22				<2				<2				<1				<1				
Total organic carbon	mg/L		21				5				18				28				37				
Total Petroleum Hydrocarbons	µg/L		80				<50				<50				<100				373				
Xylene	µg/L		12				13				28				<1				3				
Zinc	mg/L		0.009				<0.005				0.009				0.081				0.19				

it did not exist

