

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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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				