

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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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				