

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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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				<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				