

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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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	0.01	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	<0.01	<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				