

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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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				<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		0.03	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				<0.00004				
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				