

Dial A Dump (EC) Pty Ltd
Groundwater Monitoring



Licensee: Dial-A-Dump (EC) Pty Ltd EPL Nos.: 13426 and 20121
Address: Genesis Waste Facility, Honeycomb Drive, Eastern Creek

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BH9s	Pollutant	Units	2015		2016				2017				2018			
			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				<20				<20			
	*meta & para-Xylene	µg/L			<2				<2				<2			
	*Naphthalene	µg/L			<5				<5				<5			
	*Nitrate	mg/L	0.02	0.03	-	0.06	6.72	-	0.05	<0.01	0.37	<0.01	0.7	<0.01	0.01	
	*Nitrite	mg/L	<0.05	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	2.8	<0.01	<0.005	
	*ortho-Xylene	µg/L			<2				<2				<2			
	Alkalinity	mg/L	910	155	1210	434	1090	1260	912	881	928	641	941	963	770	
	Aluminium	mg/L			<0.01				<0.01				<0.01			
	Arsenic	mg/L			<0.001				0.002				<0.001			
	Barium	mg/L			0.077				9.93				15.4			
	Benzene	µg/L			<1				<1				<1			
	Cadmium	mg/L			<0.0001				<0.0001				<0.0001			
	Calcium	mg/L	142	90	99	458	102	110	194	233	127	8	220	177	140	
	Chloride	mg/L	2520	648	2910	6150	2720	2910	1750	3090	2980	439	3210	3160	2200	
	Chromium	mg/L			<0.001				0.001				<0.001			
	Copper	mg/L			<0.001				0.024				<0.001			
	Electrical Conductivity	µS/cm	7945	9872	10440	9640	11020	9700	8950	8940	8890	8760	12333	5445	7900	
	Ethyl Benzene	µg/L			<2				<2				<2			
	Fluoride	mg/L			0.2				0.2				0.6	0.2		
	Lead	mg/L			<0.001				0.001				<0.001			
	Magnesium	mg/L	214	49	202	159	214	203	175	214	203	11	235	210	210	
	Manganese	mg/L			0.034				0.075				0.034			
	Mercury	mg/L			<0.0001				<0.0001				<0.0001			
	Nitrate + nitrite	mg/L	0.02	0.03	10.6	0.06	6.72	5.03	0.05	<0.01	0.37	<0.01	3.5	<0.01	0.01	
	Nitrogen (ammonia)	mg/L	3.04	0.72	0.1	9.95	0.04	0.03	3.63	3.76	0.05	0.77	4.2	3.77	2.6	
	pH		8.25	7.76	7.65	6.85	7.53	7.1	7.07	7.6	8.24	7.64	7.7	7.4	7.03	
	Phenols	µg/L			<1				<0.05				<1.0			
	Phosphorus	mg/L			<0.01				0.12				0.01			
	Potassium	mg/L	37	16	19	39	18	19	25	26	28	6	28	26	31	
	Redox	mV	-139.7	-100.6	-17.6	-28.4	-20.1	-39.2	-39.2	-68.5	-126	-77.9	-30.2	-95.6	-71	
	Sodium	mg/L	1610	401	1980	3350	2190	2050	1290	1600	1740	671	1760	1660	2100	
	Standing water level	m AHD	60.19	58.334	50.137	60.099	58.69	58.64	57.73	57.727	60.456	58.699	59.237	59.297	59.03	
	Sulphate	mg/L	<10	128	475	<1	426	388	31	<1	<1	249	7	3	38	
	Toluene	µg/L			<2				<2				<2			
	Total organic carbon	mg/L			<1				3				4			
	Total Petroleum Hydrocarbons	µg/L			<0.5				<50				<50			
	Xylene	µg/L			<2				<2				<2			
	Zinc	mg/L			0.013				0.033				0.014			