

**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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BH18d	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	<0.01	0.28	-	0.59	4.2	-	<0.01	0.4	0.07	0.21	<0.01	0.03	0.04	
	*Nitrite	mg/L	<0.01	1.78	-	<0.01	<0.01	-	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.011	
	*ortho-Xylene	µg/L			<2				<2				<2			
	Alkalinity	mg/L	465	134	652	49	679	293	468	46	153	47	459	533	540	
	Aluminium	mg/L			<0.01				<0.01				<0.01			
	Arsenic	mg/L			<0.001				0.001				<0.001			
	Barium	mg/L			26				15.1				5.9			
	Benzene	µg/L			1				<1				<1			
	Cadmium	mg/L			<0.0001				<0.0001				<0.0001			
	Calcium	mg/L	404	76	259	18	142	6	235	17	10	13	136	92	76	
	Chloride	mg/L	5330	58	3880	30	3460	89	3570	29	47	29	3520	3720	3200	
	Chromium	mg/L			<0.001				<0.001				<0.001			
	Copper	mg/L			<0.001				<0.001				0.009			
	Electrical Conductivity	µS/cm	15820	15800	11590	15850	11800	12050	11180	12720	11983	11961	16706	6853	11010	
	Ethyl Benzene	µg/L			<2				<2				<2			
	Fluoride	mg/L			0.2				0.2				0.3	0.4		
	Lead	mg/L			<0.001				<0.001				<0.001			
	Magnesium	mg/L	200	11	109	5	15	2	107	6	2	4	30	18	19	
	Manganese	mg/L			0.021				0.048				0.039			
	Mercury	mg/L			<0.0001				<0.0001				<0.0001			
	Nitrate + nitrite	mg/L	<0.01	2.06	0.02	0.59	4.2	0.05	<0.01	0.4	0.08	0.21	<0.01	0.03	0.051	
	Nitrogen (ammonia)	mg/L	7.26	0.06	5.71	<0.01	7.55	1.4	4.77	0.03	0.04	0.04	1.58	9.28	22	
	pH		6.03	6.01	7.6	6.01	7.75	7.51	6.94	7	7.17	7.07	8.1	7.76	7.7	
	Phenols	µg/L			<1				<1				<1.0			
	Phosphorus	mg/L			<0.01				0.04				<0.01			
	Potassium	mg/L	48	3	68	2	106	9	84	2	4	2	127	131	140	
	Redox	mV	98.7	100.3	-14	-38.7	-19.4	-24.7	-30.2	-27.85	-27.72	-28.7	-1	124.6	-9	
	Sodium	mg/L	3640	72	2010	16	1800	209	2040	19	117	18	2290	2140	2700	
	Standing water level	m AHD	30.57	30.761	30.658	30.739	28.839	26.758	30.376	30.658	30.633	29.735	30.704	30.715	30.64	
	Sulphate	mg/L	<10	182	<1	9	37	17	6	11	30	10	65	16	110	
	Toluene	µg/L			<2				<2				<2			
	Total organic carbon	mg/L			<1				16				22			
	Total Petroleum Hydrocarbons	µg/L			<50				<50				<50			
	Xylene	µg/L			<2				<2				<2			
	Zinc	mg/L			0.012				0.016				0.032			