

**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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BH11i	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					750				<100			
	*C29 - C36	µg/L			<50					580				<50			
	*C6 - C9	µg/L			20					50				<20			
	*meta & para-Xylene	µg/L			<2					<2				<2			
	*Naphthalene	µg/L			<5					<5				<5			
	*Nitrate	mg/L	0.01	<0.01	0.22	0.52				<0.01	0.17	<0.01	<0.01	<0.01	<0.01	0.05	
	*Nitrite	mg/L	0.32	0.44	0.22	<0.01				0.38	0.06	<0.01	<0.01	<0.01	<0.01	<0.05	
	*ortho-Xylene	µg/L			<2					<2				<2			
	Alkalinity	mg/L	274	242	49	49				468	161	188	195	61	220	230	
	Aluminium	mg/L			0.01					<0.01				0.04			
	Arsenic	mg/L			<0.001					0.001				0.002			
	Barium	mg/L			0.027					0.258				0.056			
	Benzene	µg/L			<1					<1				<1			
	Cadmium	mg/L			<0.0001					<0.0001				<0.0001			
	Calcium	mg/L	29	8	17	17				63	8	8	5	7	15	18	
	Chloride	mg/L	263	323	32	30				133	42	46	51	18	52	65	
	Chromium	mg/L			<0.001					0.004				<0.001			
	Copper	mg/L			0.043					0.007				0.005			
	Electrical Conductivity	µS/cm	1330	1855	1820	2215				1670	4720	4910	569	1327	745	810	
	Ethyl Benzene	µg/L			<2					<2				<2			
	Fluoride	mg/L			1					0.2				0.8	1		
	Lead	mg/L			<0.001					0.01				<0.001			
	Magnesium	mg/L	<1	<1	6	5				<1	3	3	2	2	2	3.3	
	Manganese	mg/L			0.002					0.002				0.002			
	Mercury	mg/L			<0.0001					<0.0001				<0.0001			
	Nitrate + nitrite	mg/L	0.33	0.16	0.44	0.52				0.37	0.23	<0.01	<0.01	<0.01	<0.01	0.05	
	Nitrogen (ammonia)	mg/L	10.5	6.1	0.02	0.01				6.65	0.47	0.49	1.05	1.04	0.99	0.76	
	pH		11	11.25	11.24	11.52				11.65	8.87	8.22	7.98	7.91	8.16	7.46	
	Phenols	µg/L			<1					<1				<1.0			
	Phosphorus	mg/L			<0.01					0.25				<0.01			
	Potassium	mg/L	10	10	3	2				6	6	5	6	2	5	7.9	
	Redox	mV	-11.3	-47.6	-21.6	-65				-303.3	-143.9	-124.9	26.5	-45.3	-76.6	-179	
	Sodium	mg/L	271	279	18	16				133	101	103	105	32	110	150	
	Standing water level	m AHD	40.64	40.81	40.64	39.49				41.34	41.227	40.778	40.755	40.56	40.572	40.6	
	Sulphate	mg/L	5	6	10	9				5	17	15	21	11	24	27	
	Toluene	µg/L			<2					11				<2			
	Total organic carbon	mg/L			4					13				7			
	Total Petroleum Hydrocarbons	µg/L			20					1330				<50			
	Xylene	µg/L			<2					<2				<2			
	Zinc	mg/L			0.013					0.019				0.01			

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