

**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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BH5s	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	14.3	0.76	23.8	11.3	11.3	5.62	3.34	11.6	8.25	4.82	1.48	0.21	1.9	
	*Nitrite	mg/L	0.07	0.03	<0.01	0.08	0.04	0.02	0.03	0.1	0.06	0.04	0.11	<0.01	0.009	
	*ortho-Xylene	µg/L			<2				<2				<2			
	Alkalinity	mg/L	992	740	828	1070	791	827	1050	888	919	3.47	916	1140	1200	
	Aluminium	mg/L			<0.01				<0.01				<0.05			
	Arsenic	mg/L			<0.001				<0.001				<0.001			
	Barium	mg/L			0.053				0.069				0.061			
	Benzene	µg/L			<1				<1				<1			
	Cadmium	mg/L			<0.0001				<0.0001				<0.0001			
	Calcium	mg/L	98	66	95	100	90	82	112	84	88	88	84	95	94	
	Chloride	mg/L	175	382	250	640	290	354	6120	248	527	846	474	1050	700	
	Chromium	mg/L			<0.001				<0.001				<0.001			
	Copper	mg/L			0.014				0.014				0.084			
	Electrical Conductivity	µS/cm	2796	7310	3550	4400	3800	3910	4890	3120	4060	4633	5416	3568	5310	
	Ethyl Benzene	µg/L			<2				<2				<2			
	Fluoride	mg/L			0.4		0.4		0.2				0.4	0.3		
	Lead	mg/L			0.003				0.002				<0.001			
	Magnesium	mg/L	117	97	98	149	110	114	156	112	126	149	110	185	140	
	Manganese	mg/L			0.004				0.247				0.073			
	Mercury	mg/L			<0.0001				<0.0001				<0.0001			
	Nitrate + nitrite	mg/L	14.5	0.79	23.8	11.4	11.3	5.64	3.37	11.7	8.31	4.86	1.5	0.21	1.909	
	Nitrogen (ammonia)	mg/L	0.07	0.02	0.02	0.01	0.04	<0.01	0.03	<0.01	0.12	0.04	0.07	0.14	<0.005	
	pH		7.67	6.83	8.39	7.16	8.23	7.89	7.41	7.76	7.22	8.57	8.18	7.92	6.96	
	Phenols	µg/L			<1				<0.05				<1.0			
	Phosphorus	mg/L			<0.01				0.01				0.01			
	Potassium	mg/L	3	5	3	9	4	5	9	5	6	9	4	8	5	
	Redox	mV	99.6	19.8	-64.8	-44.9	-57.6	-85	-59.7	-79.7	-66.9	57.8	33	103.7	27	
	Sodium	mg/L	664	646	590	878	755	710	3270	676	745	879	682	963	970	
	Standing water level	m AHD	70.09	69.672	70.27	68.399	70.547	69.026	66.338	70.472	69.095	68.25	67.993	67.867	67.75	
	Sulphate	mg/L	899	285	835	613	696	679	501	765	725	588	651	544	650	
	Toluene	µg/L			<2				<2				<2			
	Total organic carbon	mg/L			18				3				2			
	Total Petroleum Hydrocarbons	µg/L			<50				<50				<50			
	Xylene	µg/L			<2				<2				<2			
	Zinc	mg/L			0.031				0.015				0.076			