

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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BH24i	Pollutant	Units	2017				2018				2019				2020			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	Alkalinity (total) as CaCO3	mg/L	127	159	158	179	187	190	210	540	750	760	800	510	680	600	620	
	Aluminium (filtered)	mg/L				<0.01				0.02				0.04				
	Arsenic (filtered)	mg/L				0.007				0.006				0.002				
	Barium (filtered)	mg/L				0.326				0.43				0.39				
	Benzene	µg/L				<1				24				<1				
	Cadmium (filtered)	mg/L				<0.0001				<0.0001				<0.0001				
	Calcium (filtered)	mg/L	9	8	6	5	11	11	12	10	8.5	9.3	11	18	19	18	19	
	Chloride	mg/L	45	48	57	54	65	81	79	240	350	320	470	230	200	130	130	
	Chromium (III+VI) (filtered)	mg/L				<0.001				<0.001				<0.001				
	Copper (filtered)	mg/L				<0.001				0.011				0.005				
	EC (field)	uS/cm	446	4,770	1,675	926	3,787	867	916	1,769	1,224	2,090	2,576	845	2,330	2,225	2,434	
	Ethylbenzene	µg/L				<2				<1				<1				
	Fluoride	mg/L		1.4	0.4	1.2	1.1			1				0.9				
	Lead (filtered)	mg/L				<0.001				<0.001				<0.001				
	Magnesium (filtered)	mg/L	2	2	1	1	2	2.5	2.5	3.7	3.7	4.2	5.3	5.4	14	15	15	
	Manganese (filtered)	mg/L				0.007				0.029				0.038				
	Mercury (filtered)	mg/L				<0.0001				<0.00005				<0.00005				
	Nitrogen (Total Oxidised)	mg/L	0.37	0.15	0.1	0.08	0.1	0.19	0.008	0.33	<0.005	0.009	<0.005	0.08	<0.005	0.1	<0.005	
	Ammonia	mg/L	0.01	0.09	0.03	0.03	<0.01	<0.005	0.01	0.78	1.3	1.5	1.8	0.20	1.0	1.9	1.7	
	pH (Field)	-	8.98	9.28	8.02	8.98	8.86	8.45	7.83	8.03	8.11	8.07	7.78	8.21	7.75	8.39	9.15	
	Phenolics Total	µg/L								<0.05				<50				
	Phosphorus	mg/L				0.04				0.09				0.08				
	Potassium (filtered)	mg/L	4	4	4	4	4	5.4	6.4	9.4	11	11	13	8.9	11	10	11	
	Redox Potential (Field)	mV	-151.1	-185.7	-8.2	-43.5	19	-98	-32.4	-137.1	-126.3	-191.4	-220.2	-43.2	-140.8	23.0	-160.6	
	Sodium (filtered)	mg/L	80	103	111	118	124	180	220	590	540	530	660	400	570	660	630	
	Sulphate	mg/L	22	23	30	34	32	62	50	35	12	9	8	78	380	420	360	
	Toluene	µg/L				<2				<1				<1				
	TOC	mg/L				5				8				5				
	Xylene Total	µg/L				<2				<2				<2				
	Xylene (m & p)	µg/L				<2				<2				<2				
	Zinc (filtered)	mg/L				<0.005				0.016				0.13				
	C10-C14	µg/L				<50				<50				<50				
	C10-C16	mg/L				<0.1				<0.05				0.055				
	C15-C28	µg/L				<100				<100				180				
	C16-C34	mg/L				<0.1				<0.1				<0.1				
	C29-C36	µg/L				<50				<100				<100				
	C34-C40	mg/L				<0.1				<0.1				<0.1				
	C6-C10	mg/L				<0.02				0.037				<0.01				
	C6-C9	µg/L				<20				33				<10				
	F2 minus Naphthalene	mg/L				<0.1				<0.05				0.055				
	C10-C40 (Sum of total)	µg/L				<100				<100				<100				
	+C10-C36 (Sum of total)	µg/L				<50				<50				<50				

