

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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BH20s	Pollutant	Units	2017			2018			2019				2020				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Alkalinity (total) as CaCO3	mg/L		457	645	723	890	1,000	900	1,000	1,400	1,300	1,300	1,200	390	660	710	780
Aluminium (filtered)	mg/L					0.01				<0.01				0.02			
Arsenic (filtered)	mg/L					0.003				<0.001				<0.001			
Barium (filtered)	mg/L					0.039				0.09				0.042			
Benzene	µg/L					<1				<1				<1			
Cadmium (filtered)	mg/L					<0.0001				<0.0001				<0.0001			
Calcium (filtered)	mg/L		3	10	7	16	26	40	51	75	76	83	89	28	56	49	46
Chloride	mg/L		226	320	547	546	806	1,100	1,200	1,400	1,400	1,700	1,800	330	650	290	310
Chromium (III+VI) (filtered)	mg/L					<0.001				<0.001				<0.001			
Copper (filtered)	mg/L					<0.001				0.014				0.006			
EC (field)	uS/cm		1,370	2,160	2,399	2,883	2,097	4,870	5,500	6,387	6,722	7,543	7,202	2,546	4,350	3,303	3,590
Ethylbenzene	µg/L					<2				<1				<1			
Fluoride	mg/L			0.6	0.5	0.4	0.3			0.2				0.4			
Lead (filtered)	mg/L					<0.001				0.001				<0.001			
Magnesium (filtered)	mg/L		3	12	10	16	35	59	79	140	130	150	170	41	85	68	64
Manganese (filtered)	mg/L					0.05				0.085				0.014			
Mercury (filtered)	mg/L					<0.0001				<0.00005				<0.00005			
Nitrogen (Total Oxidised)	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01	0.398			0.559	0.337	0.62	4.5	4.2	0.93	0.57
Ammonia	mg/L		0.45	0.66	0.76	0.87	1.08	0.58	0.51	0.38	0.66	0.79	0.25	0.024	0.095	0.067	0.13
pH (Field)	-		8.25	7.97	7.49	7.73	7.6	7.39	7.14	7.45	7.81	7.56	7.17	7.5	7.14	8.57	7.63
Phenolics Total	µg/L									<0.05				<0.05			
Phosphorus	mg/L					0.01				0.07				<0.05			
Potassium (filtered)	mg/L		3	5	7	7	7	13	16	19	18	15	15	7.0	10	9.2	8.6
Redox Potential (Field)	mV		-107.8	-110.2	-12.4	20.9	-19.4	29	-31.1	7.49	26.6	121.6	14.5	-38.6	5.3	34.4	53.9
Sodium (filtered)	mg/L		377	572	651	785	952	1,400	1,400	1,800	1,300	1,500	1,400	530	840	710	710
Sulphate	mg/L		125	208	251	317	349	280	240	320	360	310	430	480	520	810	700
Toluene	µg/L					<2				<1				<1			
TOC	mg/L					18				7				4			
Xylene Total	µg/L					<2				<2				<2			
Xylene (m & p)	µg/L					<2				<2				<2			
Zinc (filtered)	mg/L					0.008				0.36				0.026			
C10-C14	µg/L					<50				<50				<50			
C10-C16	mg/L					<0.1				<0.05				<0.05			
C15-C28	µg/L					<100				<100				<100			
C16-C34	mg/L					<0.1				<0.1				<0.1			
C29-C36	mg/L					<50				<100				<100			
C34-C40	µg/L					<0.1				<0.1				<0.1			
C6-C10	mg/L					<0.02				<0.01				<0.01			
C6-C9	µg/L					<20				<10				<10			
F2 minus Naphthalene	mg/L					<0.1				<0.05				<0.05			
C10-C40 (Sum of total)	µg/L					<100				<100				<100			
+C10-C36 (Sum of total)	µg/L					<50				<50				<50			

