

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	Q4			
	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													
	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	µg/L						<50					<100					<100			
	C34-C40	mg/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			

