

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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BH21s	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	987	1,100	1,110	1,080	1,080	1,100	1,100	1,100			1,100	1,100			1,100	
	Aluminium (filtered)	mg/L				<0.01				<0.01								
	Arsenic (filtered)	mg/L				<0.001				<0.001								
	Barium (filtered)	mg/L				0.083				0.09								
	Benzene	µg/L				<1				<1								
	Cadmium (filtered)	mg/L				<0.0001				0.0001								
	Calcium (filtered)	mg/L	59	70	53	69	62	61	76	61			69	61			57	
	Chloride	mg/L	431	446	517	509	578	470	500	420			440	480			380	
	Chromium (III+VI) (filtered)	mg/L				<0.001				<0.001								
	Copper (filtered)	mg/L				<0.001				0.029								
	EC (field)	uS/cm	2,920	2,980	3,181	4,764	2,446	3,620	3,222	2,941			3,111	3,630			2,880	
	Ethylbenzene	µg/L				<1				<1								
	Fluoride	mg/L		0.2	0.1	0.2	<0.1			0.1								
	Lead (filtered)	mg/L				<0.001				0.002								
	Magnesium (filtered)	mg/L	70	82	72	79	82	80	90	80			84	82			70	
	Manganese (filtered)	mg/L				0.118				0.12								
	Mercury (filtered)	mg/L				<0.0001				0.00005								
	Nitrogen (Total Oxidised)	mg/L	0.04	0.02	0.09	0.02	0.08	0.064					0.4	0.4			0.3	
	Ammonia	mg/L	0.34	0.48	0.3	0.2	0.29	0.22	0.17	0.22			<0.005	0.007			<0.005	
	pH (Field)	-	7.6	7.72	7.23	7.77	7.57	6.97	6.93	7.03			7.2	6.84			7.40	
	Phenolics Total	µg/L								<0.05								
	Phosphorus	mg/L				<0.01				0.1								
	Potassium (filtered)	mg/L	8	9	10	8	9	10	11	9.4			10	11			9.3	
	Redox Potential (Field)	mV	-69.4	-94.4	59	-80	29.2	-41	-68.7	6.4			-44.6	18.7			61.3	
	Sodium (filtered)	mg/L	584	592	561	578	606	690	590	700			600	540			580	
	Sulphate	mg/L	82	67	103	93	102	89	91	81			89	98			81	
	Toluene	µg/L				<2				<1								
	TOC	mg/L				5				21				19				
	Xylene Total	µg/L				<2				<2								
	Xylene (m & p)	µg/L				<2				<2								
	Zinc (filtered)	mg/L				0.005				0.21				0.073				
	C10-C14	µg/L				<50								<50				
	C10-C16	mg/L				<0.1				<0.05				<0.05				
	C15-C28	µg/L				<100								<100				
	C16-C34	mg/L				<0.1				<0.1				<0.1				
	C29-C36	µg/L				<50								<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												
	+C10-C36 (Sum of total)	µg/L				<50												

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