

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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BH21	Pollutant	Units	2015		2016				2017				2018				2019				2020			
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	Alkalinity (total) as CaCO3	mg/L	622	386	506	568	623	490	666	885	42	477	547	971	130	100	150	610	620	570	350	650	510	500
	Aluminium (filtered)	mg/L			<0.01				<0.01				<0.01				0.05				0.04			
	Arsenic (filtered)	mg/L			<0.001				<0.001				<0.001				<0.005				0.002			
	Barium (filtered)	mg/L			2.82				19.5				49.7				0.061				1.6			
	Benzene	µg/L			<1				<1				<1				<1				<1			
	Cadmium (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
	Calcium (filtered)	mg/L	112	10	125	107	100	125	275	253	11	125	264	179	48	44	55	31	25	42	85	51	83	85
	Chloride	mg/L	1,670	75	1,180	958	1,030	1,520	3,440	3,110	31	718	4,350	3,220	12	14	9	780	950	1,200	430	1,500	760	670
	Chromium (III+VI) (filtered)	mg/L			0.002				<0.001				<0.001				<0.001				0.002			
	Copper (filtered)	mg/L			<0.001				0.001				0.004				0.002				0.001			
	EC (field)	µS/cm	301.3	310.6	3,210	3,730	3,810	3,050	3,800	3,520	3,651	2,835	3,335	3,273	419	310.2	394.5	351	4,474	5,083	2,605	5,897	2,125	2,266
	Ethylbenzene	µg/L			<2				<2				<2				<1				<1			
	Fluoride	mg/L			0.2				0.4	0.4	0.4	0.3	0.3	0.2			0.2				0.3			
	Lead (filtered)	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001			
	Magnesium (filtered)	mg/L	139	3	108	17	17	124	95	229	5	12	127	213	1.3	1.5	2.8	11	14	17	8.0	24	13	15
	Manganese (filtered)	mg/L			0.083				0.078				0.156				0.099				0.11			
	Mercury (filtered)	mg/L			<0.0001								<0.0001				<0.0005				<0.0005			
	Nitrogen (Total Oxidised)	mg/L	0.01	0.01	<0.01	0.06	<0.01	0.29	0.05	<0.01	0.46	<0.01	0.01	<0.01	0.02		0.03	<0.05	<0.005	0.3	<0.005	<0.005	<0.005	<0.005
	Ammonia	mg/L	1.99	0.47	1.11	2.56	3.53	0.11	16.4	3.82	0.02	4.42	9.04	3.77	1.1	0.27	1.1	1.7	3.4	3.8	3.7	4.6	4.3	4.7
	pH (Field)		8.41	8.31	8.24	6.99	7.07	8.3	7	7.52	7.21	8.68	7.8	7.89	7.27	8.06	8.02	8.1	7.61	7.52	6.7	7.07	7.44	6.94
	Phenolics Total	µg/L															<0.05				<50			
	Phosphorus	mg/L			0.14				<0.02				0.03				0.3				0.2			
	Potassium (filtered)	mg/L	23	12	22	18	16	16	84	29	2	15	75	26	4.3	4.4	5.6	18	18	21	11	21	14	16
	Redox Potential (Field)	mV	39.6	40.3	39.3	-28.5	-33.8	39.8	-27.5	-32.4	-37.1	-220.2	-96.6	-117.9	-186	-99.1	167.1	-199.3	-158.6	-204.5	-220.8	-203.2	-192.9	-173.7
	Sodium (filtered)	mg/L	1,080	236	812	735	769	943	2,030	1,730	18	525	3,210	1,660	12	15	27	770	950	980	360	1,300	600	710
	Sulphate	mg/L	34	23	92	<10	<10	5	13	<1	9	90	<1	<1	21	48	45	9	6	2	68	4	23	19
	Toluene	µg/L			<2				<2				<2				<1				<1			
	TOC	mg/L			2				2				4				9				26			
	Xylene Total	µg/L			<2				<2				<2											
	Xylene (m & p)	µg/L			<2				<2				<2				<2				<2			
	Xylene (o)	µg/L															<1				<1			
	Zinc (filtered)	mg/L			<0.005				0.018				0.041				0.008				0.011			
	C10-C14	µg/L			<50				<50				<50				<50				560			
	C10-C16	mg/L			<0.1				<0.1				<0.1				<0.05				0.56			
	C15-C28	µg/L			<100				<100				<100				<100				290			
	C16-C34	mg/L			<0.1				<0.1				<0.1				<0.1				<0.1			
	C29-C36	µg/L			<50				<50				<50				<100				<100			
	C34-C40	mg/L			<0.1				<0.1				<0.1				<0.1				<0.1			
	C6-C10	mg/L			<0.02				<0.02				<0.02				<0.01				<0.01			
	C6-C9	µg/L			<20				<20				<20				<10				<10			
	F2 minus Naphthalene	mg/L			<0.1				<0.1				<0.1				<0.05				0.56			
	C10-C40 (Sum of total)	µg/L			<100				<100				<100				<100							
	HC10-C36 (Sum of total)	µg/L			<50				<50				<50				<50							

