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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BH23i		2017				2018				2019				2020			
Pollutant	Units	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Alkalinity (total) as CaCO3	mg/L		72	97	220	264	301	350	390	440	660	529	630	700	700	680	710
Aluminium (filtered)	mg/L					0.01				0.01				0.04			
Arsenic (filtered)	mg/L					<0.001				<0.001				0.001			
Barium (filtered)	mg/L					0.099				0.2				0.21			
Benzene	µg/L					<1				<1				<1			
Cadmium (filtered)	mg/L					<0.0001				<0.0001				0.0002			
Calcium (filtered)	mg/L		11	13	16	26	29	30	39	36	25	39	63	63	30	26	33
Chloride	mg/L		29	30	54	55	72	110	150	140	150	130	130	150	170	160	300
Chromium (III+VI) (filtered)	mg/L					0.002				0.001				0.002			
Copper (filtered)	mg/L					0.002				0.044				0.052			
EC (field)	uS/cm		333	3,470	652	1,178	910	1,222	1,268	1,276	1,177	1,344	1,736	684	1,968	18.73	2,759
Ethylbenzene	µg/L					<2				<1				<1			
Fluoride	mg/L			1.1	0.9	0.9	0.9			0.8				0.7			
Lead (filtered)	mg/L					<0.001				0.003				0.001			
Magnesium (filtered)	mg/L		4	4	10	16	17	21	27	25	17	27	43	41	18	15	20
Manganese (filtered)	mg/L					0.002				0.006				0.044			
Mercury (filtered)	mg/L					<0.0001				0.00005				<0.00005			
Nitrogen (Total Oxidised)	mg/L		0.39	0.78	1.11	1.38	1.39	1.605		1.536	1.108	0.95	1.7	1.7	1.4	0.84	0.3
Ammonia	mg/L		0.33	0.03	0.05	<0.01	0.02	0.084	0.034	<0.005	0.49	0.011	0.032	0.076	0.61	0.41	1.0
pH (Field)	-		9.04	8.64	7.82	8.96	8.27	7.67	7.58	7.54	8.24	7.87	5.86	5.83	6.26	6.42	6.63
Phenolics Total	µg/L					<1				<0.05				<50			
Phosphorus	mg/L					<0.01				<0.05				<0.05			
Potassium (filtered)	mg/L		3	3	3	3	4	5.1	5.3	4.9	7.2	4.6	4.7	5.1	7.9	7.8	9.9
Redox Potential (Field)	mV		-164.1	-149.7	47	-20.9	74.3	-31	53.8	44.7	58.8	89	90	91.2	-12.8	29.4	76.9
Sodium (filtered)	mg/L		47	44	100	129	140	220	210	290	390	260	260	260	470	530	520
Sulphate	mg/L		14	15	37	44	53	60	68	69	110	80	100	110	140	140	110
Toluene	µg/L					<2				<1				<1			
TOC	mg/L					6				15				49			
Xylene Total	µg/L					<2											
Xylene (m & p)	µg/L					<2				<2				<2			
Zinc (filtered)	mg/L					0.013				0.097				0.64			
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	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											
+C10-C36 (Sum of total)	µg/L					<50											

BH23i		2021				2022				2023				2024			
Pollutant	Units	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Alkalinity (total) as CaCO3	mg/L	680	700	690													
Aluminium (filtered)	mg/L	0.01															
Arsenic (filtered)	mg/L	<0.001															
Barium (filtered)	mg/L	0.79															
Benzene	µg/L	<1															
Cadmium (filtered)	mg/L	<0.0001															
Calcium (filtered)	mg/L	19	24	41													
Chloride	mg/L	120	110	100													
Chromium (III+VI) (filtered)	mg/L	<0.001															
Copper (filtered)	mg/L	0.021															
EC (field)	uS/cm	1,913	1,808	1663													
Ethylbenzene	µg/L	<1															
Fluoride	mg/L	1															
Lead (filtered)	mg/L	<0.001															
Magnesium (filtered)	mg/L	12	14	200													
Manganese (filtered)	mg/L	0.04															
Mercury (filtered)	mg/L	<0.00005															
Nitrogen (Total Oxidised)	mg/L	2.0															
Ammonia	mg/L	0.51	0.19	<0.005													
pH (Field)	-	6.76	6.72	8.15													
Phenolics Total	µg/L	<50															
Phosphorus	mg/L	<0.05															
Potassium (filtered)	mg/L	7.1	8.2	6.2													
Redox Potential (Field)	mV	-135.3	21.3	16.2													
Sodium (filtered)	mg/L	380	420	400													
Sulphate	mg/L	130	140	140													
Toluene	µg/L	<1															
TOC	mg/L	12															
Xylene Total	µg/L																
Xylene (m & p)	µg/L	<2															
Zinc (filtered)	mg/L	0.67															
TPH																	
C10-C14	µg/L	<50															
C10-C16	mg/L	<0.05															
C15-C28	µg/L	<100															
C16-C34	mg/L	<0.1															
C29-C36	µg/L	<100															
C34-C40	mg/L	<0.1															
C6-C10	mg/L	<0.01															
C6-C9	µg/L	<10															
F2 minus Naphthalene	mg/L	<0.05															
C10-C40 (Sum of total)	µg/L																
+C10-C36 (Sum of total)	µg/L																