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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BH22s		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		129	86	642	837	993	940	950	960	1,000	1,000	1,000	1,000	910	1,000	960
Aluminium (filtered)	mg/L					<0.01				<0.01				0.03			
Arsenic (filtered)	mg/L					<0.001				<0.001				<0.001			
Barium (filtered)	mg/L					0.493				0.18				0.087			
Benzene	µg/L					<1				<1				<1			
Cadmium (filtered)	mg/L					<0.0001				<0.0001				<0.0001			
Calcium (filtered)	mg/L		16	18	13	26	24	21	23	24	19	27	30	29	23	26	29
Chloride	mg/L		76	39	409	499	669	580	630	600	590	550	550	600	580	630	480
Chromium (III+VI) (filtered)	mg/L					<0.001				<0.001				<0.001			
Copper (filtered)	mg/L					<0.001				0.051				0.003			
EC (field)	uS/cm		580	388	2,311	4,738	2,564	4,110	3,922	3,718	3,684	4,055	3,940	4,398	3,946	3,855	4,173
Ethylbenzene	µg/L					<2				<1				<1			
Fluoride	mg/L			1.1	1	0.8	0.4			0.1				0.3			
Lead (filtered)	mg/L					<0.001				0.005				<0.001			
Magnesium (filtered)	mg/L		6	3	9	15	16	15	15	17	16	21	26	22	16	17	24
Manganese (filtered)	mg/L					0.087				0.046				0.017			
Mercury (filtered)	mg/L					<0.0001				0.00005				<0.00005			
Nitrogen (Total Oxidised)	mg/L		0.51	0.56	1.9	2.01	1.85	0.017		0.009	0.026	1.624	1.8	1.6	0.02	0.06	0.3
Ammonia	mg/L		0.39	0.3	0.48	1.03	1.18	1	1.5	1.5	0.93	0.38	0.016	0.29	0.53	0.85	0.92
pH (Field)	-		8.51	8.39	7.51	7.89	7.63	7.52	7.45	7.81	7.85	7.87	8.17	7.64	6.76	7.44	7.37
Phenolics Total	µg/L													<50			
Phosphorus	mg/L					<0.01				<0.05				<0.05			
Potassium (filtered)	mg/L		3	2	5	6	7	11	9.6	8.3	8.8	9.1	10	7.9	7.9	8.9	9.2
Redox Potential (Field)	mV		-124.2	-134.3	30.9	-25.2	89.7	-71	-76.1	6.3	-76	-26.5	-38.1	-79.5	-69.1	-66.2	-9.5
Sodium (filtered)	mg/L		95	37	516	759	906	960	1,100	1,100	850	900	960	840	820	980	890
Sulphate	mg/L		34	18	179	213	270	210	190	240	280	240	420	390	310	280	240
Toluene	µg/L					<2				<1				<1			
TOC	mg/L					5				14				9			
Xylene Total	µg/L					<2											
Xylene (m & p)	µg/L					<2				<2				<2			
Zinc (filtered)	mg/L					0.008				0.14				0.017			
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											

BH22s		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	960	950	990													
Aluminium (filtered)	mg/L	<0.01															
Arsenic (filtered)	mg/L	<0.001															
Barium (filtered)	mg/L	0.099															
Benzene	µg/L	<1															
Cadmium (filtered)	mg/L	<0.0001															
Calcium (filtered)	mg/L	26	29	27													
Chloride	mg/L	540	430	560													
Chromium (III+VI) (filtered)	mg/L	<0.001															
Copper (filtered)	mg/L	<0.001															
EC (field)	uS/cm	3,802	3,452	3850													
Ethylbenzene	µg/L	<1															
Fluoride	mg/L	0.5															
Lead (filtered)	mg/L	<0.001															
Magnesium (filtered)	mg/L	21	21	18													
Manganese (filtered)	mg/L	0.03															
Mercury (filtered)	mg/L	<0.00005															
Nitrogen (Total Oxidised)	mg/L	0.01															
Ammonia	mg/L	0.89	0.066	2.1													
pH (Field)	-	7.29	5.86	6.66													
Phenolics Total	µg/L	<50															
Phosphorus	mg/L	<0.05															
Potassium (filtered)	mg/L	8.3	9.6	8.4													
Redox Potential (Field)	mV	-134.5	66.6	-2.9													
Sodium (filtered)	mg/L	900	900	900													
Sulphate	mg/L	310	330	210													
Toluene	µg/L	<1															
TOC	mg/L	8															
Xylene Total	µg/L																
Xylene (m & p)	µg/L	<2															
Zinc (filtered)	mg/L	0.16															
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																