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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BH19s		2017				2018				2019				2020				2021			
Pollutant	Units	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		763	890	860	876	861	680	730	780	740	640	630	810	800	790	1,000	760	770		
Aluminium (filtered)	mg/L					<0.01				<0.01				0.19				<0.01			
Arsenic (filtered)	mg/L					0.003				0.002				0.002				0.001			
Barium (filtered)	mg/L					8.14				9.5				7.6				10			
Benzene	µg/L					<1				<1				<1				<1			
Cadmium (filtered)	mg/L					<0.0001				<0.0001				<0.0001				<0.0001			
Calcium (filtered)	mg/L		10	17	23	37	28	53	57	43	45	54	60	36	38	46	21	40	26		
Chloride	mg/L		496	797	1,470	1,320	1,390	2,400	2,300	1,900	2,000	2,100	2,800	1,800	1,700	2,200	830	1,900	840		
Chromium (III+VI) (filtered)	mg/L					<0.001				<0.001				<0.001				<0.001			
Copper (filtered)	mg/L					<0.001				0.007				0.001				<0.001			
EC (field)	uS/cm		2,510	4,800	5,909	7,111	2,670	7,360	8,317	6,490	6,618	7,932	7,634	5,471	5,916	7,088	3,958	6,374	5,523		
Ethylbenzene	µg/L					<2				<1				<1				<1			
Fluoride	mg/L			0.5	0.4	0.4	0.3			0.3				0.3				0.5			
Lead (filtered)	mg/L					<0.001				<0.001				<0.001				<0.001			
Magnesium (filtered)	mg/L		7	12	23	26	20	48	52	38	38	50	56	31	31	42	18	36	23		
Manganese (filtered)	mg/L					0.069				0.017				0.014				0.015			
Mercury (filtered)	mg/L					<0.0001				<0.00005				<0.00005				<0.00005			
Nitrogen (Total Oxidised)	mg/L		0.04	<0.01	<0.01	<0.01	<0.01	0.01			<0.005	0.02	<0.005	<0.005	0.01	0.008	0.02	0.009			
Ammonia	mg/L		1.53	1.74	3.42	4.72	3.16	4.2	4.4	3.7	3.7	4.7	4.8	3.8	3.6	4.1	2.6	4.2	3.1		
pH (Field)	-		8.1	7.59	7.94	7.99	7.89	7.46	7.29	7.46	7.73	7.47	7.61	7.79	6.21	7.55	7.39	7.53	7.50		
Phenolics Total	µg/L									<0.05				<50				<50			
Phosphorus	mg/L					0.03				<0.05				0.06				0.1			
Potassium (filtered)	mg/L		8	9	20	13	14	26	30	24	23	24	30	16	17	22	14	18	15		
Redox Potential (Field)	mV		-99.4	-88.1	-130.3	-116.2	-141.7	-154	-109.8	-87.3	-94.7	-135.6	-148.8	-134.4	-90.0	-99.1	-94.6	-125.0	-158.7		
Sodium (filtered)	mg/L		679	846	1,210	1,190	1,170	2,300	2,300	1,900	1,500	1,600	1,500	1,100	1,500	1,400	920	1,400	950		
Sulphate	mg/L		16	<1	<1	<1	<1	3	<1	<1	1	<1	<1	<1	1	<1	<1	<1	200		
Toluene	µg/L					<2				<1				<1				<1			
TOC	mg/L					2				2				8				3			
Xylene Total	µg/L					<2															
Xylene (m & p)	µg/L					<2				<2				<2				<2			
Zinc (filtered)	mg/L					<0.005				0.026				0.01				0.008			
C10-C14	µg/L					<50				<50				<50				<50			
C10-C16	mg/L					<0.1				0.086				<0.05				<0.05			
C15-C28	µg/L					<100				<100				<100				<100			
C16-C34	mg/L					<0.1				<0.1				<0.1				<0.1			
C29-C36	µg/L					<50				<100				<100				<100			
C34-C40	mg/L					<0.1				<0.1				<0.1				<0.1			
C6-C10	mg/L					<0.02				<0.01				<0.01				<0.01			
C6-C9	µg/L					<20				<10				<10				<10			
F2 minus Naphthalene	mg/L					<0.1				0.086				<0.05				<0.05			
C10-C40 (Sum of total)	µg/L					<100				86											
+C10-C36 (Sum of total)	µg/L					<50				<50											