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	550	
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	42	
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	610	
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	3207	
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	44	
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	3.3	
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	7.72	
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	16	
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	-126.2	
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	870	
Sulphate	mg/L		16	<1	<1	<1	<1	3	<1	<1	1	<1	<1	<1	1	<1	<1	<1	200	610	
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											