

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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BH3d	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	584	389	818	282	806	305	513	44	155	56	50	747		200	340	170	230		55	<5	37	66
	Aluminium (filtered)	mg/L			<0.01				<0.01				<0.01								0.02			
	Arsenic (filtered)	mg/L			<0.001				<0.001				<0.001								<0.001			
	Barium (filtered)	mg/L			0.032				14.3				0.024								0.32			
	Benzene	µg/L			<1				<1				<1								<1			
	Cadmium (filtered)	mg/L			<0.0001				<0.0001				0.0002								<0.0001			
	Calcium (filtered)	mg/L	400	8	95	26	216	246	216	16	9	11	16	316		190	190	150	170		140	190	180	200
	Chloride	mg/L	5,400	134	243	118	897	4,060	2,790	28	46	35	26	5,720		1,100	820	960	850		1,200	1,100	1,200	1,100
	Chromium (III+VI) (filtered)	mg/L			<0.001				<0.001				<0.001								<0.001			
	Copper (filtered)	mg/L			0.014				0.01				3.95								0.001			
	EC (field)	uS/cm	16,660	15,740	8,310	9,780	8,010	7,990	8,350	8,488	8,449	8,429	8,455	8,444		1,010	3,800	1,665	3,457		3,289	3,640	1,523	3,506
	Ethylbenzene	µg/L			<2				<2				<2								<1			
	Fluoride	mg/L			0.4			0.1	0.2		1.3	1	1	0.2							<0.1			
	Lead (filtered)	mg/L			<0.001				<0.001				0.026								<0.001			
	Magnesium (filtered)	mg/L	188	3	101	14	2	117	234	6	2	6	6	139		1.2	1.2	1	1		3.0	<0.5	<0.5	<0.5
	Manganese (filtered)	mg/L			0.004				0.063				0.001								<0.005			
	Mercury (filtered)	mg/L			<0.0001				<0.0001				<0.0001								<0.00005			
	Nitrogen (Total Oxidised)	mg/L	<0.01	<0.01	28	0.05	<0.01	<0.01	0.06	0.34	0.03	0.39	0.01	<0.01							0.007	<0.005	<0.005	0.01
	Ammonia	mg/L	7.27	0.5	0.02	<0.01	1.24	4.62	3.47	0.04	0.02	0.12	0.04	8.2		2.8	3.2	2.6	2.8		2.6	2.8	2.8	2.7
	pH (Field)	-	6.98	6.98	8.41	8.12	8.44	8.55	8.4	8.46	8.49	8.45	8.47	8.49		7.66	7	7.69	7.48		8.62	10.18	8.78	8.47
	Phenolics Total	µg/L							<0.05				<0.01								<0.05			
	Phosphorus	mg/L			<0.01				0.1				<0.01								0.2			
	Potassium (filtered)	mg/L	48	13	2	9	14	33	26	2	3	2	3	43		15	15	13	13		12	14	13	14
	Redox Potential (Field)	mV	23	21.1	-17.4	-49	-18.1	-15.6	-18.9	-23.8	-19.3	-20.7	-21.3	-20.4		-84.2	150	49.8	-120.7		-183.8	-183.7	-194.4	-128.2
	Sodium (filtered)	mg/L	3,470	245	605	189	551	2,290	1,680	18	109	35	22	3,040		560	700	580	520		540	640	560	560
	Sulphate	mg/L	<1	30	853	286	<1	<1	9	11	30	15	10	<1		3	2	4	3		1	26	26	1
	Toluene	µg/L			<2				4				<2								<1			
	TOC	mg/L			25								4								35			
	Xylene Total	µg/L			<2								<2								<2			
	Xylene (m & p)	µg/L			<2								<2								<1			
	Xylene (o)	µg/L			<2								<2								<2			
	Zinc (filtered)	mg/L			0.012				0.02				1.66								0.007			
	TPH	µg/L			<50				<50				<50								1,200			
	C10-C14	mg/L			<0.1				<0.1				<0.1								1.1			
	C10-C16	µg/L			<100				<100				<100								270			
	C15-C28	mg/L			<0.1				<0.1				<0.1								0.27			
	C16-C34	µg/L			<50				<50				<50								350			
	C29-C36	mg/L			<0.1				<0.1				<0.1								0.11			
	C34-C40	mg/L			<0.1				<0.1				<0.1								<0.01			
	C6-C10	µg/L			<20				<20				<20								<10			
	C6-C9	mg/L			<0.1				<0.1				<0.1								1.1			
	F2 minus Naphthalene	µg/L			<100				<100				<100											
	C10-C40 (Sum of total)	µg/L			<50				<50				<50											
	+C10-C36 (Sum of total)	µg/L			<50				<50				<50											

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