

Hepburn Shire Council - Daylesford Former Landfill

Ajax Road, Daylesford, VIC

Environmental Monitoring Results – August 2024

	Sample ID		BH1	BH2	BH3	BH4	LP1
	Sample Type		Ground water	Ground water	Ground water	Ground water	Leachate Pond
Parameter	LOR	Unit					
Amonia	0.01	mg/L	0.04	0.02	0.28	0.67	2.9
Chemical Oxygen Demand	25	mg/L	< 25	< 25	28	52	71
Chloride	1	mg/L	490	570	630	940	46
Conductivity (at 25 °C)	10	µS/cm	2200	3000	3300	5000	670
Nitrate	0.02	mg/L	< 0.02	< 0.02	0.03	< 0.02	0.73
Organic Nitrogen	0.2	mg/L	< 0.2	0.48	< 0.2	< 0.2	2.6
pH	0.1	pH Units	6.3	6.7	6.7	5.9	8.7
Sulphate	5	mg/L	240	580	690	1100	30
Total Dissolved Solids	10	mg/L	1200	1700	1900	2800	890
Total Kjeldahl Nitrogen	0.2	mg/L	< 0.2	0.5	0.4	0.8	5.5
Total Organic Carbon	5	mg/L	< 5	< 5	< 5	< 5	27
Total Alkalinity as CaCO3	20	mg/L	82	320	230	94	280
Chromium	0.001	mg/L	< 0.001	< 0.001	< 0.001	0.002	< 0.001
Iron	0.05	mg/L	68	8.8	37	220	0.37
Manganese	0.005	mg/L	6.2	1.4	2	5.8	0.053
Calcium	0.5	mg/L	25	83	130	28	33
Magnesium	0.5	mg/L	120	190	180	290	29
Sodium	0.5	mg/L	150	270	290	360	38
Potassium	0.5	mg/L	1.7	1.4	2.1	1.9	26
Sodium	0.5	mg/L	150	270	290	360	38
Volatile Fatty Acids (VFA) by GC-MS							
4-Methylvaleric acid	5	mg/L	< 5	< 5	< 5	< 5	< 5
Acetic Acid	5	mg/L	< 5	< 5	< 5	< 5	< 5
Butyric acid	5	mg/L	< 5	< 5	< 5	< 5	< 5
Heptanoic acid	5	mg/L	< 5	< 5	< 5	< 5	< 5
Hexanoic acid	5	mg/L	< 5	< 5	< 5	< 5	< 5
Isobutyric acid	5	mg/L	< 5	< 5	< 5	< 5	< 5
Isovaleric acid	5	mg/L	< 5	< 5	< 5	< 5	< 5
Propionic acid	5	mg/L	< 5	< 5	< 5	< 5	< 5
Valeric acid	5	mg/L	< 5	< 5	< 5	< 5	< 5
Total VFA as Acetic Acid Equivalentents	5	mg/L	< 5	< 5	< 5	< 5	< 5

LOR – Limit of Reporting

Results preceded by < indicate that the results were below the limit of detection for that analysis