

# Hepburn Shire Council - Clunes Former Landfill

Downes Street, Clunes, VIC

## Environmental Monitoring Results – August 2024

	Sample ID		CL1	CL2
	Sample Type		Groundwater	Groundwater
Parameter	LOR	Unit		
Amonia	0.01	mg/L	< 0.01	< 0.01
Chemical Oxygen Demand	25	mg/L	< 25	< 100
Chloride	1	mg/L	190	440
Conductivity (at 25 °C)	10	µS/cm	1400	2500
Nitrate	0.02	mg/L	1.4	0.11
Organic Nitrogen	0.2	mg/L	0.5	1.8
pH	0.1	pH Units	7.7	7.4
Sulphate	5	mg/L	24	140
Total Dissolved Solids	10	mg/L	670	1200
Total Kjeldahl Nitrogen	0.2	mg/L	0.5	1.8
Total Organic Carbon	5	mg/L	< 5	< 5
Total Alkalinity as CaCO3	20	mg/L	370	470
Chromium	0.001	mg/L	0.003	0.003
Iron	0.05	mg/L	0.53	1.8
Manganese	0.005	mg/L	0.082	0.46
Calcium	0.5	mg/L	50	52
Magnesium	0.5	mg/L	48	81
Sodium	0.5	mg/L	3.7	5.7
Potassium	0.5	mg/L	160	320
<b>Volatile Fatty Acids (VFA) by GC-MS</b>				
4-Methylvaleric acid	5	mg/L	< 5	< 5
Acetic Acid	5	mg/L	< 5	< 5
Butyric acid	5	mg/L	< 5	< 5
Heptanoic acid	5	mg/L	< 5	< 5
Hexanoic acid	5	mg/L	< 5	< 5
Isobutyric acid	5	mg/L	< 5	< 5
Isovaleric acid	5	mg/L	< 5	< 5
Propionic acid	5	mg/L	< 5	< 5
Valeric acid	5	mg/L	< 5	< 5
Total VFA as Acetic Acid Equivalentents	5	mg/L	< 5	< 5

LOR – Limit of Reporting

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