

## Hepburn Shire Council - Clunes Former Landfill

Downes Street, Clunes, VIC

### Environmental Monitoring Results – February 2025

	Sample ID		CL1	CL2
	Sample Type		Groundwater	Groundwater
Parameter	LOR	Unit		
Amonia	0.01	mg/L	0.05	0.07
Chemical Oxygen Demand	25	mg/L	< 25	< 25
Chloride	1	mg/L	200	430
Conductivity (at 25 °C)	10	µS/cm	1300	2300
Nitrate	0.02	mg/L	2.9	0.29
Organic Nitrogen	0.2	mg/L	< 0.2	< 0.2
pH	0.1	pH Units	7.4	7.2
Sulphate	5	mg/L	30	180
Total Dissolved Solids	10	mg/L	780	1400
Total Kjeldahl Nitrogen	0.2	mg/L	< 0.2	< 0.2
Total Organic Carbon	5	mg/L	< 5	< 5
Total Alkalinity as CaCO3	20	mg/L	410	530
Chromium	0.001	mg/L	0.001	< 0.001
Iron	0.05	mg/L	< 0.5	< 0.5
Manganese	0.005	mg/L	< 0.005	0.006
Calcium	0.5	mg/L	44	62
Magnesium	0.5	mg/L	50	100
Sodium	0.5	mg/L	180	360
Potassium	0.5	mg/L	3.5	8.3
<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