

GROUNDWATER MONITORING DATA 2016

Landtasia Organic Farms Pty Ltd is required to publish environmental monitoring data under Section 66 (6) of the POEO Act 1997.

Pollutant	UNIT OF MEASURE	FREQUENCY	SAMPLING METHOD	Jan-16	Apr-16	Jul-16	Oct-16	No of samples required by license	No of samples collected & analysed	Lowest sample value	Mean of sample	Highest sample value
Total Alkalinity	Milligrams per litre	Yearly	Grab	248.00				1	1	248.00	248.00	248.00
Calcium	Milligrams per litre	Quarterly	Grab	79.40	77.70	79.00	76.60	4	4	76.00	78.18	81.00
Chloride	Milligrams per litre	Quarterly	Grab	593.00	584.00	599.00	558.00	4	4	575.00	583.50	629.00
Fluoride	Milligrams per litre	Quarterly	Grab	0.90	0.70	0.70	0.80	4	4	0.90	0.78	1.10
Iron	Milligrams per litre	Quarterly	Grab	0.24	0.16	0.25	0.10	4	4	0.14	0.19	0.42
Magnesium	Milligrams per litre	Quarterly	Grab	54.80	55.40	53.20	54.10	4	4	56.80	54.38	59.20
Manganese	Milligrams per litre	Quarterly	Grab	0.02	0.01	0.01	0.01	4	4	0.02	0.01	0.10
Nitrate	Milligrams per litre	Quarterly	Grab	1.20	1.19	1.17	1.19	4	4	0.97	1.19	1.22
Nitrogen (NH ₃)	Milligrams per litre	Quarterly	Grab	ND	ND	ND	ND	4	4	ND	ND	ND
Organochlorine Pesticides	Micrograms per litre	Yearly	Grab	ND				1	1	ND	ND	ND
Organophosphate Pesticides	Micrograms per litres	Yearly	Grab	ND				1	1	ND	ND	ND
pH	pH	Quarterly	in situ	7.17	7.02	7.57	7.03	4	4	6.99	7.20	7.18
Potassium	Milligrams per litre	Quarterly	Grab	1.00	1.00	1.00	0.90	4	4	1.00	0.98	1.20
Sodium	Milligrams per litre	Quarterly	Grab	308.00	313.00	298.00	305.00	4	4	309.00	306.00	329.00
Sulphate	Milligrams per litre	Quarterly	Grab	18.50	17.10	15.00	17.10	4	4	16.50	16.93	20.90
TDS	Milligrams per litre	Quarterly	Grab	1390.00	1320.00	1270.00	1240.00	4	4	1300.00	1305.00	1420.00
TOC	Milligrams per litre	Quarterly	Grab	2.00	4.00	4.00	4.00	4	4	3.00	3.50	4.00
Total Phenolics	Micrograms per litres	Yearly	Grab	ND				1	1	ND	ND	ND
VOCs	Milligrams per litre	Yearly	Grab	ND				1	1	ND	ND	ND

*ND = Not Detected