



REPORT NUMBER: W2021000961

Trace Inorganic Laboratory

Unit E5, 1 Campbell PDE

Project No:

Certificate of Analysis

Sample Class: Water

Sub Organisation:

Sample ID	DOH / Client ID	Sample Description	Site Code	Sample Remarks	Sampling Date	Date Received
2021001722	Rain Again	Collected Filling Station			23/07/2021	23/07/2021

2021001722

Aluminium	<0.01
Antimony	<0.0001
Arsenic	<0.001
Barium	<0.0004
Boron	0.0110
Cadmium	<0.0001
Calcium	<0.1
Chloride	<1
Chromium	<0.001
Copper	<0.001
Fluoride	<0.10
Iodine	<0.02
Iron	0.04
Lead	<0.0002
Magnesium	0.01
Manganese	<0.0003
Mercury	<0.0008
Molybdenum	<0.0001
Nickel	<0.0004
Nitrate	<1
Nitrite	<0.1
pH	6.5
Selenium	<0.007
Silver	<0.0002
Sodium	<1
Sulfate	<1
TDS	<5
Total Hardness as CaCO ₃	0.3
True Colour	<1
Turbidity	2.1
Uranium	<0.0001
Zinc	<0.01

Analysis commenced within 24 hours from date of receipt unless otherwise noted.

Report Remarks :

Results in mg/L except for Turbidity (NTU), Colour (HU), Conductivity (μ S/cm) and pH

The results apply to the sample(s) as received.

* NATA accreditation does not cover the performance of this service.

Values with * exceed Australian Drinking Water Guidelines**

Date: Wednesday, 28 July, 2021



Stephanie Burmuzoska

Analyst



NATA Accreditation Number : 3588
Accredited for compliance with ISO/IEC 17025 - Testing.
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Forensic & Analytical Science Service
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Method Reference and ADWG-2011: Waters

Parameter	Unit	Guideline Value: Aesthetic ⁽¹⁾	Guideline Value: Health ⁽¹⁾	FASS Method ⁽²⁾ Ref. Number
Alkalinity (as CaCO ₃)	mg/L			WC 6
Aluminium	mg/L	0.2	c	TM 167/TM 168
Ammonia (as NH ₃)	mg/L	0.5	c	WC 3
Antimony	mg/L		0.003	TM 167
Arsenic	mg/L		0.01	TM 167
Barium	mg/L		2	TM 167
Beryllium	mg/L		0.06	TM 167
Boron	mg/L		4	TM 167
Bromide	mg/L			TM 167
Cadmium	mg/L		0.002	TM 167
Calcium	mg/L			TM 168
Chloride	mg/L	250	c	WC 5
Chromium ⁽³⁾	mg/L		0.05	TM 167
Colour (True)	HU	15		WC 1
Copper	mg/L	1	2	TM 167
Cyanide ⁽⁴⁾	mg/L		0.08	WC 4
Fluoride	mg/L		1.5	WC 2 / WC 5
Hardness (as CaCO ₃)	mg/L	200	c	TM 168
Iodide	mg/L		0.5	WC 8
Iodine	mg/L		c	TM 166
Iron	mg/L	0.3	c	TM 168
Lead	mg/L		0.01	TM 167
Magnesium	mg/L			TM 168
Manganese	mg/L	0.1	0.5	TM 167
Mercury	mg/L		0.001	TM 167
Molybdenum	mg/L		0.05	TM 167
Nickel	mg/L		0.02	TM 167
Nitrate	mg/L		50	WC 5
Nitrite	mg/L		3	WC 5
pH		6.5 - 8.5	c	WC 1
Phosphorus	mg/L			TM 168
Phosphate	mg/L			WC 5
Potassium	mg/L			TM 168
Selenium	mg/L		0.01	TM 167
Silica (as SiO ₂) ⁽⁵⁾	mg/L	80		TM 168
Silver	mg/L		0.1	TM 167
Sodium	mg/L	180		TM 168
Sulfate	mg/L	250	c	WC 5
Total Dissolved Solids (TDS)	mg/L	600	c	WC 1
Total Organic Carbon	mg/L			WC 11
Turbidity	NTU	5	c	WC 1
Uranium	mg/L		0.017	TM 167
Zinc	mg/L	3	c	TM 168

(1) Australian Drinking Water Guidelines, 2011, NHMRC

(2) Methods are based on Standard Methods for the Examination of Water and Waste Water, APHA.

(3) Health guideline is for Cr (VI).

(4) Free cyanide result only.

(5) Silica (SiO₂): water soluble silica is reported, calculated from Silicon result by ICPA -ES.

^c Refer to comments in Table 10.6 of the Australian Drinking Water Guidelines, 2011.

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