



## CERTIFICATE OF ANALYSIS

**Work Order** : **EP2500465**  
**Client** : **GASCOYNE WATER COOPERATIVE LTD**  
**Contact** : Lisa Sweetman  
**Address** : 50 BOUNDARY ROAD PO BOX 5  
CARNARVON WESTERN AUSTRALIA, AUSTRALIA 6701  
**Telephone** : ----  
**Project** : Retest - Annual Water Testing 2024  
**Order number** : PO-1437  
**C-O-C number** : ----  
**Sampler** : Carnarvon Plumbing  
**Site** : GWC Bore Fields  
**Quote number** : EP24GASWAT0004  
**No. of samples received** : 30  
**No. of samples analysed** : 30

**Page** : 1 of 8  
**Laboratory** : Environmental Division Perth  
**Contact** : Customer Services EP  
**Address** : 26 Rigali Way Wangara WA Australia 6065  
**Telephone** : +61-8-9406 1301  
**Date Samples Received** : 14-Jan-2025 14:15  
**Date Analysis Commenced** : 14-Jan-2025  
**Issue Date** : 16-Jan-2025 16:56



Accreditation No. 825  
Accredited for compliance with  
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

**Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.**

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Jasmine Myintaye	Lab Technician	Perth Microbiology, Wangara, WA



## General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

∅ = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

- MF = membrane filtration
- CFU = colony forming unit
- MW006 is ALS's internal code and is equivalent to AS4276.5.
- MW007 and MW006:Analysis Commenced:Date:14/01/2025.Time:5:00PM.
- Microbiological Comment: In accordance with ALS work instruction QWI-MIC/04, membrane filtration result is reported an approximate (~) when the count of colonies on the filtered membrane is outside the range of 10 - 100cfu.
- MW007 is ALS's internal code and is equivalent to AS4276.5.



### Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore1 2/14	Bore2 18/10	Bore3 20/10	Bore4 02/10	Bore6 19/10
Sampling date / time					13-Jan-2025 11:09	13-Jan-2025 11:34	13-Jan-2025 11:54	13-Jan-2025 12:05	13-Jan-2025 12:35
Compound	CAS Number	LOR	Unit	EP2500465-001	EP2500465-002	EP2500465-003	EP2500465-004	EP2500465-005	
				Result	Result	Result	Result	Result	
<b>MW006: Faecal Coliforms &amp; E.coli by MF</b>									
Thermotolerant Coliforms	----	1	CFU/100mL	<1	~8	<1	<1	<1	
<i>Escherichia coli</i>	----	1	CFU/100mL	<1	~1	<1	<1	<1	
<b>MW007: Coliforms by MF</b>									
Coliforms	----	1	CFU/100mL	~4	28	<1	20	<1	



### Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore7 03/14	Bore9 1/10	Bore11 5/16	Bore12 22/14	Bore13 1/15
Sampling date / time				13-Jan-2025 12:44	13-Jan-2025 13:16	13-Jan-2025 13:50	13-Jan-2025 14:02	13-Jan-2025 14:10	
Compound	CAS Number	LOR	Unit	EP2500465-006	EP2500465-007	EP2500465-008	EP2500465-009	EP2500465-010	
				Result	Result	Result	Result	Result	
<b>MW006: Faecal Coliforms &amp; E.coli by MF</b>									
Thermotolerant Coliforms	----	1	CFU/100mL	<1	~7	<1	110	~2	
<i>Escherichia coli</i>	----	1	CFU/100mL	<1	<1	<1	<1	<1	
<b>MW007: Coliforms by MF</b>									
Coliforms	----	1	CFU/100mL	~4	14	<1	330	~3	



### Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore15 59/14	Bore16 66/14	Bore17 52/14	Bore18 94/15	Bore19 10/15
Sampling date / time				13-Jan-2025 13:07	13-Jan-2025 11:47	13-Jan-2025 11:29	13-Jan-2025 14:30	13-Jan-2025 14:29	
Compound	CAS Number	LOR	Unit	EP2500465-011	EP2500465-012	EP2500465-013	EP2500465-014	EP2500465-015	
				Result	Result	Result	Result	Result	
<b>MW006: Faecal Coliforms &amp; E.coli by MF</b>									
Thermotolerant Coliforms	----	1	CFU/100mL	<1	<1	~700	<1	<1	
<i>Escherichia coli</i>	----	1	CFU/100mL	<1	<1	<1	<1	<1	
<b>MW007: Coliforms by MF</b>									
Coliforms	----	1	CFU/100mL	~5	~2	15000	<1	<1	



### Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore20 32/15	Bore21 86/15	Bore22 64/14	Bore23 92/15	Bore24 97/15
Sampling date / time				13-Jan-2025 14:32	13-Jan-2025 13:54	13-Jan-2025 13:48	13-Jan-2025 13:39	13-Jan-2025 13:27	
Compound	CAS Number	LOR	Unit	EP2500465-016	EP2500465-017	EP2500465-018	EP2500465-019	EP2500465-020	
				Result	Result	Result	Result	Result	
<b>MW006: Faecal Coliforms &amp; E.coli by MF</b>									
Thermotolerant Coliforms	----	1	CFU/100mL	<1	<1	<1	16	<1	
<i>Escherichia coli</i>	----	1	CFU/100mL	<1	<1	<1	<1	<1	
<b>MW007: Coliforms by MF</b>									
Coliforms	----	1	CFU/100mL	<1	<1	<1	~7	<1	



### Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore25 69/14	Bore26 27/15	Bore27 96/15	Bore28 43/15	Bore29 48/14
Sampling date / time				13-Jan-2025 13:22	13-Jan-2025 13:15	13-Jan-2025 12:53	13-Jan-2025 12:11	13-Jan-2025 11:09	
Compound	CAS Number	LOR	Unit	EP2500465-021	EP2500465-022	EP2500465-023	EP2500465-024	EP2500465-025	
				Result	Result	Result	Result	Result	
<b>MW006: Faecal Coliforms &amp; E.coli by MF</b>									
Thermotolerant Coliforms	----	1	CFU/100mL	<1	<1	<1	48	<1	
<i>Escherichia coli</i>	----	1	CFU/100mL	<1	<1	<1	<1	<1	
<b>MW007: Coliforms by MF</b>									
Coliforms	----	1	CFU/100mL	<1	<1	<1	53	<1	



### Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore30 18/15	Bore31 44/14	Bore32 70/14	Bore33 65/14	Bore34 63/14
Sampling date / time				13-Jan-2025 11:09	13-Jan-2025 11:09	13-Jan-2025 12:02	13-Jan-2025 11:57	13-Jan-2025 11:37	
Compound	CAS Number	LOR	Unit	EP2500465-026	EP2500465-027	EP2500465-028	EP2500465-029	EP2500465-030	
				Result	Result	Result	Result	Result	
<b>MW006: Faecal Coliforms &amp; E.coli by MF</b>									
Thermotolerant Coliforms	----	1	CFU/100mL	<1	<1	<1	<1	<1	
<i>Escherichia coli</i>	----	1	CFU/100mL	<1	<1	<1	<1	<1	
<b>MW007: Coliforms by MF</b>									
Coliforms	----	1	CFU/100mL	<1	<1	<1	<1	<1	