



CERTIFICATE OF ANALYSIS

Work Order : EP2520679
Client : GASCOYNE WATER COOPERATIVE LTD
Contact : Lisa Sweetman
Address : 50 BOUNDARY ROAD PO BOX 5
CARNARVON WESTERN AUSTRALIA, AUSTRALIA 6701
Telephone : ----
Project : NBF 1 & 2 remaining samples
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 20
Laboratory : Environmental Division Perth
Contact : Customer Services EP
Address : 26 Rigali Way Wangara WA Australia 6065
Telephone : +61-8-9406 1301
Date Samples Received : 09-Dec-2025 16:00
Date Analysis Commenced : 09-Dec-2025
Issue Date : 15-Dec-2025 10:02



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.

Signatories	Position	Accreditation Category
Chris Lemaitre	Perth - State Manager	Perth Inorganics, Wangara, WA
Stephanie Tilson	Instrument Chemist	Perth Inorganics, 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

ø = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

- As per QWI – EN55-3 Data Interpreting Procedures, Ionic balances are typically calculated using Major Anions - Chloride, Alkalinity and Sulfate; and Major Cations - Calcium, Magnesium, Potassium and Sodium. Where applicable and dependent upon sample matrix, the Ionic Balance may also include the additional contribution of Ammonia, Dissolved Metals by ICPMS and H⁺ to the Cations and Nitrate, SiO₂ and Fluoride to the Anions.
- EK040P (Fluoride): Reported result for EP2520679 samples 3 and 11 confirmed by re-preparation and re-analysis.
- EG020: It is recognised that total As, Mn, Ni, and B concentration is less than dissolved for various samples. However, the difference is within experimental variation of the methods.
- Sodium Adsorption Ratio (where reported): Where results for Na, Ca or Mg are <LOR, a concentration at half the reported LOR is incorporated into the SAR calculation. This represents a conservative approach for Na relative to the assumption that <LOR = zero concentration and a conservative approach for Ca & Mg relative to the assumption that <LOR is equivalent to the LOR concentration.
- ED045G: The presence of Thiocyanate, Thiosulfate and Sulfite can positively contribute to the chloride result, thereby may bias results higher than expected. Results should be scrutinised accordingly.



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore1 2/14	Bore2 18/10	Bore3 20/10	Bore4 02/10	Bore5 21/10
Sampling date / time					05-Dec-2025 06:48	05-Dec-2025 07:30	05-Dec-2025 07:42	05-Dec-2025 07:51	05-Dec-2025 08:03
Compound	CAS Number	LOR	Unit		EP2520679-001	EP2520679-002	EP2520679-003	EP2520679-004	EP2520679-005
					Result	Result	Result	Result	Result
EA010P: Conductivity by PC Titrator									
Electrical Conductivity @ 25°C	----	1	µS/cm		894	655	695	1190	703
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO ₃	DMO-210-001	1	mg/L		<1	<1	<1	<1	<1
Carbonate Alkalinity as CaCO ₃	3812-32-6	1	mg/L		<1	<1	<1	<1	<1
Bicarbonate Alkalinity as CaCO ₃	71-52-3	1	mg/L		95	103	106	80	82
Total Alkalinity as CaCO ₃	----	1	mg/L		95	103	106	80	82
ED041G: Sulfate (Turbidimetric) as SO₄ 2- by DA									
Sulfate as SO ₄ - Turbidimetric	14808-79-8	1	mg/L		67	45	57	54	56
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L		177	107	109	324	128
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L		50	20	13	30	27
Magnesium	7439-95-4	1	mg/L		22	12	8	22	14
Sodium	7440-23-5	1	mg/L		94	98	124	178	91
Potassium	7440-09-7	1	mg/L		10	12	9	16	10
ED093F: SAR and Hardness Calculations									
Total Hardness as CaCO ₃	----	1	mg/L		215	99	65	166	125
EG020F: Dissolved Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		<0.001	0.005	0.010	0.002	0.003
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	0.003
Molybdenum	7439-98-7	0.001	mg/L		0.001	0.003	0.009	0.003	0.003
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	0.006	<0.001	<0.001
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore1 2/14	Bore2 18/10	Bore3 20/10	Bore4 02/10	Bore5 21/10
Sampling date / time					05-Dec-2025 06:48	05-Dec-2025 07:30	05-Dec-2025 07:42	05-Dec-2025 07:51	05-Dec-2025 08:03
Compound	CAS Number	LOR	Unit		EP2520679-001	EP2520679-002	EP2520679-003	EP2520679-004	EP2520679-005
					Result	Result	Result	Result	Result
EG020F: Dissolved Metals by ICP-MS - Continued									
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.25	0.47	0.67	0.59	0.33
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG020T: Total Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		<0.001	0.005	0.010	0.002	0.004
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	0.003
Molybdenum	7439-98-7	0.001	mg/L		0.001	0.003	0.010	0.003	0.003
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	0.007	<0.001	<0.001
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.29	0.55	0.76	0.64	0.35
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L		39.6	51.2	55.6	60.3	52.9
Reactive Silica as Silicon	----	0.05	mg/L		18.5	23.9	26.0	28.2	24.7
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L		0.3	0.5	1.4	0.6	0.7
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L		0.77	1.04	1.26	0.79	0.97
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		0.77	1.04	1.26	0.79	0.97



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore1 2/14	Bore2 18/10	Bore3 20/10	Bore4 02/10	Bore5 21/10
Sampling date / time					05-Dec-2025 06:48	05-Dec-2025 07:30	05-Dec-2025 07:42	05-Dec-2025 07:51	05-Dec-2025 08:03
Compound	CAS Number	LOR	Unit		EP2520679-001	EP2520679-002	EP2520679-003	EP2520679-004	EP2520679-005
					Result	Result	Result	Result	Result
EN055: Ionic Balance									
ø Total Anions	----	0.01	meq/L		8.29	6.01	6.38	11.9	6.42
ø Total Cations	----	0.01	meq/L		8.65	6.56	6.93	11.5	6.71
ø Ionic Balance	----	0.01	%		2.15	4.31	4.14	1.73	2.27



Analytical Results

Sub-Matrix: WATER
 (Matrix: WATER)

Sample ID

				Bore6 19/10	Bore7 03/14	Bore8 03/10	Bore9 1/10	Bore10 11/13
Sampling date / time				05-Dec-2025 08:10	05-Dec-2025 08:16	05-Dec-2025 08:30	05-Dec-2025 08:54	05-Dec-2025 09:11
Compound	CAS Number	LOR	Unit	EP2520679-006	EP2520679-007	EP2520679-008	EP2520679-009	EP2520679-010
				Result	Result	Result	Result	Result
EA010P: Conductivity by PC Titrator								
Electrical Conductivity @ 25°C	----	1	µS/cm	727	705	842	1310	741
ED037P: Alkalinity by PC Titrator								
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	<1	<1	<1
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	<1	<1	<1
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	91	85	106	112	81
Total Alkalinity as CaCO3	----	1	mg/L	91	85	106	112	81
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA								
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	63	63	47	76	55
ED045G: Chloride by Discrete Analyser								
Chloride	16887-00-6	1	mg/L	125	121	177	343	150
ED093F: Dissolved Major Cations								
Calcium	7440-70-2	1	mg/L	39	33	33	29	30
Magnesium	7439-95-4	1	mg/L	18	15	17	18	16
Sodium	7440-23-5	1	mg/L	78	85	113	216	93
Potassium	7440-09-7	1	mg/L	8	7	10	14	11
ED093F: SAR and Hardness Calculations								
Total Hardness as CaCO3	----	1	mg/L	172	144	152	147	141
EG020F: Dissolved Metals by ICP-MS								
Aluminium	7429-90-5	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001	<0.001	0.001	<0.001
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L	<0.001	<0.001	0.001	<0.001	<0.001
Molybdenum	7439-98-7	0.001	mg/L	0.002	0.001	0.003	0.007	0.002
Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	0.015	0.001	<0.001
Selenium	7782-49-2	0.004	mg/L	<0.004	<0.004	<0.004	<0.004	<0.004



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore6 19/10	Bore7 03/14	Bore8 03/10	Bore9 1/10	Bore10 11/13
Sampling date / time					05-Dec-2025 08:10	05-Dec-2025 08:16	05-Dec-2025 08:30	05-Dec-2025 08:54	05-Dec-2025 09:11
Compound	CAS Number	LOR	Unit		EP2520679-006	EP2520679-007	EP2520679-008	EP2520679-009	EP2520679-010
					Result	Result	Result	Result	Result
EG020F: Dissolved Metals by ICP-MS - Continued									
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.22	0.23	0.44	1.13	0.29
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG020T: Total Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		<0.001	<0.001	<0.001	0.001	<0.001
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum	7439-98-7	0.001	mg/L		0.002	0.001	0.003	0.007	0.002
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	0.014	0.001	<0.001
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.24	0.25	0.46	1.22	0.30
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L		59.1	44.9	61.4	44.8	35.0
Reactive Silica as Silicon	----	0.05	mg/L		27.6	21.0	28.7	20.9	16.4
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L		0.3	0.2	0.6	0.9	0.4
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L		0.85	0.76	1.22	0.73	0.73
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		0.85	0.76	1.22	0.73	0.73



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore6 19/10	Bore7 03/14	Bore8 03/10	Bore9 1/10	Bore10 11/13
Sampling date / time					05-Dec-2025 08:10	05-Dec-2025 08:16	05-Dec-2025 08:30	05-Dec-2025 08:54	05-Dec-2025 09:11
Compound	CAS Number	LOR	Unit		EP2520679-006	EP2520679-007	EP2520679-008	EP2520679-009	EP2520679-010
					Result	Result	Result	Result	Result
EN055: Ionic Balance									
ø Total Anions	----	0.01	meq/L		6.66	6.42	8.09	13.5	6.99
ø Total Cations	----	0.01	meq/L		7.02	6.76	8.22	12.7	7.14
ø Ionic Balance	----	0.01	%		2.70	2.54	0.78	3.11	1.03



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore11 5/16	Bore12 22/14	Bore13 1/15	Bore15 59/14	Bore16 66/14
Sampling date / time					05-Dec-2025 09:20	05-Dec-2025 09:32	05-Dec-2025 09:46	05-Dec-2025 11:28	05-Dec-2025 12:35
Compound	CAS Number	LOR	Unit		EP2520679-011	EP2520679-012	EP2520679-013	EP2520679-014	EP2520679-015
					Result	Result	Result	Result	Result
EA010P: Conductivity by PC Titrator									
Electrical Conductivity @ 25°C	----	1	µS/cm		673	814	701	897	1020
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L		<1	<1	<1	<1	<1
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L		<1	<1	<1	<1	<1
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L		80	91	83	108	87
Total Alkalinity as CaCO3	----	1	mg/L		80	91	83	108	87
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L		50	65	57	79	70
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L		123	162	127	173	246
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L		14	39	34	58	49
Magnesium	7439-95-4	1	mg/L		12	21	14	22	31
Sodium	7440-23-5	1	mg/L		102	94	89	92	105
Potassium	7440-09-7	1	mg/L		13	12	7	9	12
ED093F: SAR and Hardness Calculations									
Total Hardness as CaCO3	----	1	mg/L		84	184	143	235	250
EG020F: Dissolved Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		0.001	<0.001	<0.001	<0.001	0.002
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum	7439-98-7	0.001	mg/L		0.009	0.004	0.002	<0.001	0.003
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore11 5/16	Bore12 22/14	Bore13 1/15	Bore15 59/14	Bore16 66/14
Sampling date / time					05-Dec-2025 09:20	05-Dec-2025 09:32	05-Dec-2025 09:46	05-Dec-2025 11:28	05-Dec-2025 12:35
Compound	CAS Number	LOR	Unit		EP2520679-011	EP2520679-012	EP2520679-013	EP2520679-014	EP2520679-015
					Result	Result	Result	Result	Result
EG020F: Dissolved Metals by ICP-MS - Continued									
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.48	0.28	0.24	0.20	0.28
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG020T: Total Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		0.001	<0.001	<0.001	<0.001	0.002
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum	7439-98-7	0.001	mg/L		0.010	0.004	0.002	0.001	0.003
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	0.001
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	0.075	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.50	0.30	0.24	0.21	0.28
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L		56.9	42.0	22.3	38.8	37.3
Reactive Silica as Silicon	----	0.05	mg/L		26.6	19.6	10.4	18.1	17.4
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L		1.2	0.5	0.3	0.2	0.5
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L		0.69	1.00	0.68	0.70	0.69
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		0.69	1.00	0.68	0.70	0.69



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore11 5/16	Bore12 22/14	Bore13 1/15	Bore15 59/14	Bore16 66/14
Sampling date / time					05-Dec-2025 09:20	05-Dec-2025 09:32	05-Dec-2025 09:46	05-Dec-2025 11:28	05-Dec-2025 12:35
Compound	CAS Number	LOR	Unit		EP2520679-011	EP2520679-012	EP2520679-013	EP2520679-014	EP2520679-015
					Result	Result	Result	Result	Result
EN055: Ionic Balance									
ø Total Anions	----	0.01	meq/L		6.11	7.74	6.43	8.68	10.1
ø Total Cations	----	0.01	meq/L		6.46	8.07	6.90	8.94	9.87
ø Ionic Balance	----	0.01	%		2.76	2.08	3.54	1.44	1.32



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore18 94/15	Bore19 10/15	Bore20 32/15	Bore21 86/15	Bore22 64/14
Sampling date / time					05-Dec-2025 09:53	05-Dec-2025 10:01	05-Dec-2025 10:14	05-Dec-2025 10:30	05-Dec-2025 10:42
Compound	CAS Number	LOR	Unit		EP2520679-016	EP2520679-017	EP2520679-018	EP2520679-019	EP2520679-020
					Result	Result	Result	Result	Result
EA010P: Conductivity by PC Titrator									
Electrical Conductivity @ 25°C	----	1	µS/cm		459	415	1180	1060	1140
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L		<1	<1	<1	<1	<1
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L		<1	<1	<1	<1	<1
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L		69	86	165	110	111
Total Alkalinity as CaCO3	----	1	mg/L		69	86	165	110	111
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L		40	30	72	68	67
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L		73	56	256	254	284
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L		19	22	54	61	71
Magnesium	7439-95-4	1	mg/L		11	11	31	30	31
Sodium	7440-23-5	1	mg/L		59	47	140	109	108
Potassium	7440-09-7	1	mg/L		8	8	22	12	12
ED093F: SAR and Hardness Calculations									
Total Hardness as CaCO3	----	1	mg/L		93	100	262	276	305
EG020F: Dissolved Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		0.001	0.002	<0.001	0.002	0.001
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum	7439-98-7	0.001	mg/L		0.001	0.002	0.003	0.001	0.001
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore18 94/15	Bore19 10/15	Bore20 32/15	Bore21 86/15	Bore22 64/14
Sampling date / time					05-Dec-2025 09:53	05-Dec-2025 10:01	05-Dec-2025 10:14	05-Dec-2025 10:30	05-Dec-2025 10:42
Compound	CAS Number	LOR	Unit		EP2520679-016	EP2520679-017	EP2520679-018	EP2520679-019	EP2520679-020
					Result	Result	Result	Result	Result
EG020F: Dissolved Metals by ICP-MS - Continued									
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.20	0.23	0.42	0.27	0.26
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG020T: Total Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		<0.001	0.002	<0.001	0.002	0.001
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum	7439-98-7	0.001	mg/L		0.002	0.002	0.003	0.002	0.001
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.21	0.23	0.45	0.27	0.26
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L		29.7	42.7	61.1	54.0	57.8
Reactive Silica as Silicon	----	0.05	mg/L		13.9	20.0	28.6	25.2	27.0
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L		0.4	0.5	0.8	0.4	0.3
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L		0.80	1.20	1.00	0.63	0.65
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		0.80	1.20	1.00	0.63	0.65



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore18 94/15	Bore19 10/15	Bore20 32/15	Bore21 86/15	Bore22 64/14
Sampling date / time					05-Dec-2025 09:53	05-Dec-2025 10:01	05-Dec-2025 10:14	05-Dec-2025 10:30	05-Dec-2025 10:42
Compound	CAS Number	LOR	Unit		EP2520679-016	EP2520679-017	EP2520679-018	EP2520679-019	EP2520679-020
					Result	Result	Result	Result	Result
EN055: Ionic Balance									
ø Total Anions	----	0.01	meq/L		4.27	3.92	12.0	10.8	11.6
ø Total Cations	----	0.01	meq/L		4.62	4.25	11.9	10.6	11.1
ø Ionic Balance	----	0.01	%		3.98	4.03	0.50	1.02	2.31



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore23 92/15	Bore24 97/15	Bore25 69/14	Bore26 27/15	Bore28 43/15
Sampling date / time					05-Dec-2025 10:54	05-Dec-2025 11:02	05-Dec-2025 11:11	05-Dec-2025 11:23	05-Dec-2025 11:51
Compound	CAS Number	LOR	Unit		EP2520679-021	EP2520679-022	EP2520679-023	EP2520679-024	EP2520679-025
					Result	Result	Result	Result	Result
EA010P: Conductivity by PC Titrator									
Electrical Conductivity @ 25°C	----	1	µS/cm		1310	835	1210	924	1070
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L		<1	<1	<1	<1	<1
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L		<1	<1	<1	<1	<1
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L		125	102	106	95	101
Total Alkalinity as CaCO3	----	1	mg/L		125	102	106	95	101
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L		99	56	94	73	89
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L		309	175	286	196	241
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L		80	48	76	55	68
Magnesium	7439-95-4	1	mg/L		36	26	37	26	29
Sodium	7440-23-5	1	mg/L		130	80	108	84	100
Potassium	7440-09-7	1	mg/L		13	10	13	11	13
ED093F: SAR and Hardness Calculations									
Total Hardness as CaCO3	----	1	mg/L		348	227	342	244	289
EG020F: Dissolved Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		0.001	0.002	0.001	0.002	<0.001
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	0.004
Molybdenum	7439-98-7	0.001	mg/L		0.001	0.001	<0.001	<0.001	0.002
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	0.001
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore23 92/15	Bore24 97/15	Bore25 69/14	Bore26 27/15	Bore28 43/15
Sampling date / time					05-Dec-2025 10:54	05-Dec-2025 11:02	05-Dec-2025 11:11	05-Dec-2025 11:23	05-Dec-2025 11:51
Compound	CAS Number	LOR	Unit		EP2520679-021	EP2520679-022	EP2520679-023	EP2520679-024	EP2520679-025
					Result	Result	Result	Result	Result
EG020F: Dissolved Metals by ICP-MS - Continued									
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.25	0.23	0.22	0.19	0.22
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG020T: Total Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	0.02	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		0.001	0.002	0.002	0.002	<0.001
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	0.005
Molybdenum	7439-98-7	0.001	mg/L		0.002	0.001	0.001	<0.001	0.002
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	0.002
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004
Zinc	7440-66-6	0.005	mg/L		<0.005	0.008	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.24	0.22	0.20	0.19	0.21
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L		59.4	54.0	58.3	53.1	41.3
Reactive Silica as Silicon	----	0.05	mg/L		27.8	25.2	27.3	24.8	19.3
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L		0.3	0.3	0.3	0.2	0.3
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L		0.56	0.54	0.54	0.58	0.75
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		0.56	0.54	0.54	0.58	0.75



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore23 92/15	Bore24 97/15	Bore25 69/14	Bore26 27/15	Bore28 43/15
Sampling date / time					05-Dec-2025 10:54	05-Dec-2025 11:02	05-Dec-2025 11:11	05-Dec-2025 11:23	05-Dec-2025 11:51
Compound	CAS Number	LOR	Unit		EP2520679-021	EP2520679-022	EP2520679-023	EP2520679-024	EP2520679-025
					Result	Result	Result	Result	Result
EN055: Ionic Balance									
ø Total Anions	----	0.01	meq/L		13.3	8.14	12.1	8.95	10.7
ø Total Cations	----	0.01	meq/L		12.9	8.27	11.9	8.82	10.5
ø Ionic Balance	----	0.01	%		1.27	0.79	1.14	0.72	0.98



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore29 48/14	Bore30 18/15	Bore31 44/14	Bore32 70/14	Bore34 63/14
Sampling date / time					05-Dec-2025 12:00	05-Dec-2025 12:08	05-Dec-2025 12:16	05-Dec-2025 12:25	05-Dec-2025 12:43
Compound	CAS Number	LOR	Unit		EP2520679-026	EP2520679-027	EP2520679-028	EP2520679-029	EP2520679-030
					Result	Result	Result	Result	Result
EA010P: Conductivity by PC Titrator									
Electrical Conductivity @ 25°C	----	1	µS/cm		968	926	874	968	810
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L		<1	<1	<1	<1	<1
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L		<1	<1	<1	<1	<1
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L		84	82	79	87	84
Total Alkalinity as CaCO3	----	1	mg/L		84	82	79	87	84
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L		76	75	88	76	68
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L		217	211	182	221	172
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L		63	63	51	55	52
Magnesium	7439-95-4	1	mg/L		28	24	24	25	21
Sodium	7440-23-5	1	mg/L		82	79	87	100	78
Potassium	7440-09-7	1	mg/L		10	10	9	10	9
ED093F: SAR and Hardness Calculations									
Total Hardness as CaCO3	----	1	mg/L		273	256	226	240	216
EG020F: Dissolved Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		0.002	0.002	0.002	0.001	0.001
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum	7439-98-7	0.001	mg/L		<0.001	0.004	<0.001	0.001	0.001
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore29 48/14	Bore30 18/15	Bore31 44/14	Bore32 70/14	Bore34 63/14
Sampling date / time					05-Dec-2025 12:00	05-Dec-2025 12:08	05-Dec-2025 12:16	05-Dec-2025 12:25	05-Dec-2025 12:43
Compound	CAS Number	LOR	Unit		EP2520679-026	EP2520679-027	EP2520679-028	EP2520679-029	EP2520679-030
					Result	Result	Result	Result	Result
EG020F: Dissolved Metals by ICP-MS - Continued									
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.17	0.24	0.17	0.23	0.18
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG020T: Total Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	7440-38-2	0.001	mg/L		0.002	0.002	0.002	0.001	0.001
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7439-96-5	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum	7439-98-7	0.001	mg/L		<0.001	0.004	<0.001	0.002	0.001
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	7782-49-2	0.004	mg/L		<0.004	<0.004	<0.004	<0.004	<0.004
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Boron	7440-42-8	0.05	mg/L		0.16	0.25	0.17	0.22	0.17
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L		56.8	52.0	51.3	42.5	56.1
Reactive Silica as Silicon	----	0.05	mg/L		26.6	24.3	24.0	19.9	26.2
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L		0.2	0.3	0.2	0.3	0.2
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L		0.64	0.71	0.63	0.37	0.92
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		0.64	0.71	0.63	0.37	0.92



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore29 48/14	Bore30 18/15	Bore31 44/14	Bore32 70/14	Bore34 63/14
Sampling date / time					05-Dec-2025 12:00	05-Dec-2025 12:08	05-Dec-2025 12:16	05-Dec-2025 12:25	05-Dec-2025 12:43
Compound	CAS Number	LOR	Unit		EP2520679-026	EP2520679-027	EP2520679-028	EP2520679-029	EP2520679-030
					Result	Result	Result	Result	Result
EN055: Ionic Balance									
ø Total Anions	----	0.01	meq/L		9.38	9.15	8.54	9.55	7.95
ø Total Cations	----	0.01	meq/L		9.27	8.81	8.53	9.41	7.95
ø Ionic Balance	----	0.01	%		0.60	1.90	0.06	0.78	<0.01