



## CERTIFICATE OF ANALYSIS

**Work Order** : EP2418342  
**Client** : GASCOYNE WATER COOPERATIVE LTD  
**Contact** : Lisa Sweetman  
**Address** : 50 BOUNDARY ROAD PO BOX 5  
CARNARVON WESTERN AUSTRALIA, AUSTRALIA 6701  
**Telephone** : ----  
**Project** : 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** : 29  
**No. of samples analysed** : 29

**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** : 06-Dec-2024 14:45  
**Date Analysis Commenced** : 06-Dec-2024  
**Issue Date** : 17-Dec-2024 23:03



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
Canhuang Ke	Inorganics Supervisor	Perth Inorganics, Wangara, WA
Chris Lemaitre	Laboratory Manager (Perth)	Perth Inorganics, Wangara, WA
Efua Wilson	Metals 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, SiO<sub>2</sub> and Fluoride to the Anions.
- EG020: It is recognised for various samples that total concentration is less than dissolved for some metal analytes. However, the difference is within experimental variation of the methods.
- EG020: It has been confirmed by re-preparation and re-analysis that various total analyte concentrations are less than dissolved for samples EP2418342 -001,-003 and -010.
- 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	Bore6 19/10
Sampling date / time				05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-001	EP2418342-002	EP2418342-003	EP2418342-004	EP2418342-005	
				Result	Result	Result	Result	Result	
<b>EA005P: pH by PC Titrator</b>									
pH Value	----	0.01	pH Unit	<b>7.72</b>	<b>8.18</b>	<b>8.07</b>	<b>7.76</b>	<b>7.69</b>	
<b>EA010P: Conductivity by PC Titrator</b>									
Electrical Conductivity @ 25°C	----	1	µS/cm	<b>528</b>	<b>683</b>	<b>737</b>	<b>1200</b>	<b>802</b>	
<b>ED037P: Alkalinity by PC Titrator</b>									
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	<b>117</b>	<b>126</b>	<b>108</b>	<b>73</b>	<b>139</b>	
Total Alkalinity as CaCO3	----	1	mg/L	<b>117</b>	<b>126</b>	<b>108</b>	<b>73</b>	<b>139</b>	
<b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	<b>37</b>	<b>51</b>	<b>61</b>	<b>58</b>	<b>63</b>	
<b>ED045G: Chloride by Discrete Analyser</b>									
Chloride	16887-00-6	1	mg/L	<b>72</b>	<b>129</b>	<b>157</b>	<b>351</b>	<b>159</b>	
<b>ED093F: Dissolved Major Cations</b>									
Calcium	7440-70-2	1	mg/L	<b>37</b>	<b>20</b>	<b>19</b>	<b>39</b>	<b>40</b>	
Magnesium	7439-95-4	1	mg/L	<b>13</b>	<b>11</b>	<b>10</b>	<b>31</b>	<b>19</b>	
Sodium	7440-23-5	1	mg/L	<b>48</b>	<b>93</b>	<b>114</b>	<b>150</b>	<b>92</b>	
Potassium	7440-09-7	1	mg/L	<b>7</b>	<b>11</b>	<b>9</b>	<b>17</b>	<b>8</b>	
<b>ED093F: SAR and Hardness Calculations</b>									
Total Hardness as CaCO3	----	1	mg/L	<b>146</b>	<b>95</b>	<b>89</b>	<b>225</b>	<b>178</b>	
<b>EG020F: Dissolved Metals by ICP-MS</b>									
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	<b>0.004</b>	<b>0.004</b>	<b>0.001</b>	<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	<b>0.003</b>	<b>0.004</b>	<b>0.007</b>	<0.001	<0.001	
Molybdenum	7439-98-7	0.001	mg/L	<0.001	<b>0.003</b>	<b>0.005</b>	<b>0.001</b>	<b>0.001</b>	



## 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					05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00
Compound	CAS Number	LOR	Unit		EP2418342-001	EP2418342-002	EP2418342-003	EP2418342-004	EP2418342-005
					Result	Result	Result	Result	Result
<b>EG020F: Dissolved Metals by ICP-MS - Continued</b>									
Nickel	7440-02-0	0.001	mg/L		0.023	0.024	0.091	0.004	<0.001
Selenium	7782-49-2	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	0.008
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	<0.05	<0.05
<b>EG020T: Total Metals by ICP-MS</b>									
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	0.004	0.008	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		0.003	0.005	0.003	<0.001	<0.001
Molybdenum	7439-98-7	0.001	mg/L		<0.001	0.002	0.009	0.001	0.002
Nickel	7440-02-0	0.001	mg/L		0.016	0.034	0.027	0.003	0.001
Selenium	7782-49-2	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	0.011
Iron	7439-89-6	0.05	mg/L		0.06	0.15	0.09	<0.05	0.09
<b>EG052G: Silica by Discrete Analyser</b>									
Reactive Silica	----	0.05	mg/L		30.6	51.9	57.6	66.0	61.6
Reactive Silica as Silicon	----	0.05	mg/L		14.3	24.3	26.9	30.8	28.8
<b>EK040P: Fluoride by PC Titrator</b>									
Fluoride	16984-48-8	0.1	mg/L		0.1	0.5	1.4	0.3	0.3
<b>EK057G: Nitrite as N by Discrete Analyser</b>									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
<b>EK058G: Nitrate as N by Discrete Analyser</b>									
Nitrate as N	14797-55-8	0.01	mg/L		1.56	1.02	1.12	0.76	0.54
<b>EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser</b>									
Nitrite + Nitrate as N	----	0.01	mg/L		1.56	1.02	1.12	0.76	0.54



### 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				05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-001	EP2418342-002	EP2418342-003	EP2418342-004	EP2418342-005	
				Result	Result	Result	Result	Result	
<b>EN055: Ionic Balance</b>									
∅ Total Anions	----	0.01	meq/L	<b>5.14</b>	<b>7.22</b>	<b>7.86</b>	<b>12.6</b>	<b>8.57</b>	
∅ Total Cations	----	0.01	meq/L	<b>5.18</b>	<b>6.23</b>	<b>6.96</b>	<b>11.4</b>	<b>7.77</b>	
∅ Ionic Balance	----	0.01	%	<b>0.43</b>	<b>7.35</b>	<b>6.05</b>	<b>4.62</b>	<b>4.94</b>	



## 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				05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-006	EP2418342-007	EP2418342-008	EP2418342-009	EP2418342-010	
				Result	Result	Result	Result	Result	
<b>EA005P: pH by PC Titrator</b>									
pH Value	----	0.01	pH Unit	<b>7.55</b>	<b>7.82</b>	<b>7.59</b>	<b>7.37</b>	<b>7.66</b>	
<b>EA010P: Conductivity by PC Titrator</b>									
Electrical Conductivity @ 25°C	----	1	µS/cm	<b>708</b>	<b>915</b>	<b>732</b>	<b>762</b>	<b>697</b>	
<b>ED037P: Alkalinity by PC Titrator</b>									
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	<b>91</b>	<b>105</b>	<b>83</b>	<b>94</b>	<b>93</b>	
Total Alkalinity as CaCO3	----	1	mg/L	<b>91</b>	<b>105</b>	<b>83</b>	<b>94</b>	<b>93</b>	
<b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	<b>61</b>	<b>70</b>	<b>55</b>	<b>60</b>	<b>64</b>	
<b>ED045G: Chloride by Discrete Analyser</b>									
Chloride	16887-00-6	1	mg/L	<b>151</b>	<b>228</b>	<b>174</b>	<b>168</b>	<b>152</b>	
<b>ED093F: Dissolved Major Cations</b>									
Calcium	7440-70-2	1	mg/L	<b>29</b>	<b>54</b>	<b>39</b>	<b>26</b>	<b>35</b>	
Magnesium	7439-95-4	1	mg/L	<b>15</b>	<b>24</b>	<b>16</b>	<b>15</b>	<b>13</b>	
Sodium	7440-23-5	1	mg/L	<b>93</b>	<b>92</b>	<b>85</b>	<b>101</b>	<b>96</b>	
Potassium	7440-09-7	1	mg/L	<b>7</b>	<b>9</b>	<b>7</b>	<b>7</b>	<b>6</b>	
<b>ED093F: SAR and Hardness Calculations</b>									
Total Hardness as CaCO3	----	1	mg/L	<b>134</b>	<b>234</b>	<b>163</b>	<b>127</b>	<b>141</b>	
<b>EG020F: Dissolved Metals by ICP-MS</b>									
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	<b>0.001</b>	<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	<b>0.011</b>	
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	<b>0.001</b>	<b>0.002</b>	
Molybdenum	7439-98-7	0.001	mg/L	<0.001	<b>0.001</b>	<b>0.003</b>	<b>0.002</b>	<b>0.002</b>	



## 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				05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-006	EP2418342-007	EP2418342-008	EP2418342-009	EP2418342-010	
				Result	Result	Result	Result	Result	
<b>EG020F: Dissolved Metals by ICP-MS - Continued</b>									
Nickel	7440-02-0	0.001	mg/L	<0.001	0.001	<0.001	0.002	0.008	
Selenium	7782-49-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	<0.005	<0.005	0.008	
Iron	7439-89-6	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	
<b>EG020T: Total Metals by ICP-MS</b>									
Aluminium	7429-90-5	0.01	mg/L	<0.01	0.02	<0.01	<0.01	0.01	
Arsenic	7440-38-2	0.001	mg/L	<0.001	0.002	<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	0.002	<0.001	<0.001	0.001	
Molybdenum	7439-98-7	0.001	mg/L	0.001	0.002	0.003	0.002	0.002	
Nickel	7440-02-0	0.001	mg/L	<0.001	0.002	0.001	0.001	0.009	
Selenium	7782-49-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	
Iron	7439-89-6	0.05	mg/L	<0.05	0.14	<0.05	<0.05	0.07	
<b>EG052G: Silica by Discrete Analyser</b>									
Reactive Silica	----	0.05	mg/L	45.9	45.5	27.4	20.1	20.8	
Reactive Silica as Silicon	----	0.05	mg/L	21.4	21.3	12.8	9.40	9.72	
<b>EK040P: Fluoride by PC Titrator</b>									
Fluoride	16984-48-8	0.1	mg/L	0.2	0.3	0.4	0.2	0.2	
<b>EK057G: Nitrite as N by Discrete Analyser</b>									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
<b>EK058G: Nitrate as N by Discrete Analyser</b>									
Nitrate as N	14797-55-8	0.01	mg/L	0.73	0.74	0.78	1.90	0.67	
<b>EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser</b>									
Nitrite + Nitrate as N	----	0.01	mg/L	0.73	0.74	0.78	1.90	0.67	



### 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				05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-006	EP2418342-007	EP2418342-008	EP2418342-009	EP2418342-010	
				Result	Result	Result	Result	Result	
<b>EN055: Ionic Balance</b>									
∅ Total Anions	----	0.01	meq/L	<b>7.35</b>	<b>9.99</b>	<b>7.71</b>	<b>7.87</b>	<b>7.48</b>	
∅ Total Cations	----	0.01	meq/L	<b>6.90</b>	<b>8.90</b>	<b>7.14</b>	<b>7.10</b>	<b>7.14</b>	
∅ Ionic Balance	----	0.01	%	<b>3.10</b>	<b>5.74</b>	<b>3.86</b>	<b>5.09</b>	<b>2.28</b>	





## 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				05-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-011	EP2418342-012	EP2418342-013	EP2418342-014	EP2418342-015	
				Result	Result	Result	Result	Result	
<b>EA005P: pH by PC Titrator</b>									
pH Value	----	0.01	pH Unit	<b>7.93</b>	<b>8.03</b>	<b>8.03</b>	<b>7.54</b>	<b>7.73</b>	
<b>EA010P: Conductivity by PC Titrator</b>									
Electrical Conductivity @ 25°C	----	1	µS/cm	<b>940</b>	<b>792</b>	<b>855</b>	<b>564</b>	<b>414</b>	
<b>ED037P: Alkalinity by PC Titrator</b>									
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	<b>132</b>	<b>101</b>	<b>105</b>	<b>76</b>	<b>105</b>	
Total Alkalinity as CaCO3	----	1	mg/L	<b>132</b>	<b>101</b>	<b>105</b>	<b>76</b>	<b>105</b>	
<b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	<b>89</b>	<b>60</b>	<b>68</b>	<b>49</b>	<b>29</b>	
<b>ED045G: Chloride by Discrete Analyser</b>									
Chloride	16887-00-6	1	mg/L	<b>205</b>	<b>182</b>	<b>207</b>	<b>116</b>	<b>49</b>	
<b>ED093F: Dissolved Major Cations</b>									
Calcium	7440-70-2	1	mg/L	<b>58</b>	<b>48</b>	<b>49</b>	<b>23</b>	<b>22</b>	
Magnesium	7439-95-4	1	mg/L	<b>22</b>	<b>22</b>	<b>22</b>	<b>12</b>	<b>11</b>	
Sodium	7440-23-5	1	mg/L	<b>101</b>	<b>84</b>	<b>87</b>	<b>70</b>	<b>50</b>	
Potassium	7440-09-7	1	mg/L	<b>8</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>7</b>	
<b>ED093F: SAR and Hardness Calculations</b>									
Total Hardness as CaCO3	----	1	mg/L	<b>235</b>	<b>210</b>	<b>213</b>	<b>107</b>	<b>100</b>	
<b>EG020F: Dissolved Metals by ICP-MS</b>									
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	<b>0.002</b>	<b>0.002</b>	<0.001	<b>0.002</b>	
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	<b>0.001</b>	<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	<b>0.001</b>	<0.001	<b>0.002</b>	<0.001	
Molybdenum	7439-98-7	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<b>0.002</b>	



## 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				05-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-011	EP2418342-012	EP2418342-013	EP2418342-014	EP2418342-015	
				Result	Result	Result	Result	Result	
<b>EG020F: Dissolved Metals by ICP-MS - Continued</b>									
Nickel	7440-02-0	0.001	mg/L	0.001	<0.001	<0.001	0.001	<0.001	
Selenium	7782-49-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	0.007	<0.005	<0.005	
Iron	7439-89-6	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	
<b>EG020T: Total Metals by ICP-MS</b>									
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	0.002	<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	0.002	<0.001	
Molybdenum	7439-98-7	0.001	mg/L	<0.001	0.001	0.001	<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	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
Zinc	7440-66-6	0.005	mg/L	<0.005	0.007	0.006	<0.005	<0.005	
Iron	7439-89-6	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	
<b>EG052G: Silica by Discrete Analyser</b>									
Reactive Silica	----	0.05	mg/L	40.6	50.2	52.7	17.5	46.1	
Reactive Silica as Silicon	----	0.05	mg/L	19.0	23.5	24.6	8.18	21.6	
<b>EK040P: Fluoride by PC Titrator</b>									
Fluoride	16984-48-8	0.1	mg/L	0.2	0.2	0.2	0.2	0.4	
<b>EK057G: Nitrite as N by Discrete Analyser</b>									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
<b>EK058G: Nitrate as N by Discrete Analyser</b>									
Nitrate as N	14797-55-8	0.01	mg/L	0.66	0.89	0.78	0.60	1.18	
<b>EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser</b>									
Nitrite + Nitrate as N	----	0.01	mg/L	0.66	0.89	0.78	0.60	1.18	



### 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				05-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-011	EP2418342-012	EP2418342-013	EP2418342-014	EP2418342-015	
				Result	Result	Result	Result	Result	
<b>EN055: Ionic Balance</b>									
∅ Total Anions	----	0.01	meq/L	<b>10.3</b>	<b>8.40</b>	<b>9.35</b>	<b>5.81</b>	<b>4.08</b>	
∅ Total Cations	----	0.01	meq/L	<b>9.30</b>	<b>8.06</b>	<b>8.22</b>	<b>5.33</b>	<b>4.36</b>	
∅ Ionic Balance	----	0.01	%	<b>4.96</b>	<b>2.05</b>	<b>6.45</b>	<b>4.28</b>	<b>3.24</b>	



## Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore20 32/15	Bore21 86/15	Bore22 64/14	Bore24 97/15	Bore25 69/14
Sampling date / time				05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-016	EP2418342-017	EP2418342-018	EP2418342-019	EP2418342-020	
				Result	Result	Result	Result	Result	
<b>EA005P: pH by PC Titrator</b>									
pH Value	----	0.01	pH Unit	7.98	7.98	7.96	7.85	7.98	
<b>EA010P: Conductivity by PC Titrator</b>									
Electrical Conductivity @ 25°C	----	1	µS/cm	1180	1180	1260	1180	1200	
<b>ED037P: Alkalinity by PC Titrator</b>									
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	242	130	132	160	122	
Total Alkalinity as CaCO3	----	1	mg/L	242	130	132	160	122	
<b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	72	81	83	84	89	
<b>ED045G: Chloride by Discrete Analyser</b>									
Chloride	16887-00-6	1	mg/L	239	312	333	286	312	
<b>ED093F: Dissolved Major Cations</b>									
Calcium	7440-70-2	1	mg/L	55	66	76	67	70	
Magnesium	7439-95-4	1	mg/L	29	33	35	32	34	
Sodium	7440-23-5	1	mg/L	151	121	122	137	107	
Potassium	7440-09-7	1	mg/L	15	11	11	10	11	
<b>ED093F: SAR and Hardness Calculations</b>									
Total Hardness as CaCO3	----	1	mg/L	257	301	334	299	315	
<b>EG020F: Dissolved Metals by ICP-MS</b>									
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	0.050	<0.001	<0.001	0.006	<0.001	
Molybdenum	7439-98-7	0.001	mg/L	0.002	0.001	<0.001	<0.001	<0.001	



## Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore20 32/15	Bore21 86/15	Bore22 64/14	Bore24 97/15	Bore25 69/14
Sampling date / time				05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-016	EP2418342-017	EP2418342-018	EP2418342-019	EP2418342-020	
				Result	Result	Result	Result	Result	
<b>EG020F: Dissolved Metals by ICP-MS - Continued</b>									
Nickel	7440-02-0	0.001	mg/L	0.012	<0.001	<0.001	0.003	<0.001	
Selenium	7782-49-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	
Iron	7439-89-6	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	
<b>EG020T: Total Metals by ICP-MS</b>									
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	0.068	<0.001	<0.001	0.006	<0.001	
Molybdenum	7439-98-7	0.001	mg/L	0.003	0.001	0.001	<0.001	<0.001	
Nickel	7440-02-0	0.001	mg/L	0.016	<0.001	<0.001	0.003	<0.001	
Selenium	7782-49-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	
Iron	7439-89-6	0.05	mg/L	0.20	<0.05	<0.05	<0.05	<0.05	
<b>EG052G: Silica by Discrete Analyser</b>									
Reactive Silica	----	0.05	mg/L	60.8	52.9	52.5	46.2	54.3	
Reactive Silica as Silicon	----	0.05	mg/L	28.4	24.7	24.5	21.6	25.4	
<b>EK040P: Fluoride by PC Titrator</b>									
Fluoride	16984-48-8	0.1	mg/L	0.5	0.3	0.3	0.2	0.2	
<b>EK057G: Nitrite as N by Discrete Analyser</b>									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
<b>EK058G: Nitrate as N by Discrete Analyser</b>									
Nitrate as N	14797-55-8	0.01	mg/L	1.27	0.64	0.66	0.47	0.55	
<b>EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser</b>									
Nitrite + Nitrate as N	----	0.01	mg/L	1.27	0.64	0.66	0.47	0.55	



### Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore20 32/15	Bore21 86/15	Bore22 64/14	Bore24 97/15	Bore25 69/14
Sampling date / time				05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00	05-Dec-2024 00:00
Compound	CAS Number	LOR	Unit	EP2418342-016	EP2418342-017	EP2418342-018	EP2418342-019	EP2418342-020	
				Result	Result	Result	Result	Result	
<b>EN055: Ionic Balance</b>									
∅ Total Anions	----	0.01	meq/L	13.1	13.1	13.8	13.0	13.1	
∅ Total Cations	----	0.01	meq/L	12.1	11.6	12.3	12.2	11.2	
∅ Ionic Balance	----	0.01	%	3.95	6.21	5.76	3.26	7.67	



## Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore26 27/15	Bore27 96/15	Bore28 43/15	Bore29 48/14	Bore30 18/15
Sampling date / time				05-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00
Compound	CAS Number	LOR	Unit	EP2418342-021	EP2418342-022	EP2418342-023	EP2418342-024	EP2418342-025	
				Result	Result	Result	Result	Result	
<b>EA005P: pH by PC Titrator</b>									
pH Value	----	0.01	pH Unit	<b>7.93</b>	<b>7.99</b>	<b>8.08</b>	<b>8.03</b>	<b>8.01</b>	
<b>EA010P: Conductivity by PC Titrator</b>									
Electrical Conductivity @ 25°C	----	1	µS/cm	<b>1040</b>	<b>786</b>	<b>1170</b>	<b>926</b>	<b>1010</b>	
<b>ED037P: Alkalinity by PC Titrator</b>									
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	<b>121</b>	<b>114</b>	<b>128</b>	<b>91</b>	<b>83</b>	
Total Alkalinity as CaCO3	----	1	mg/L	<b>121</b>	<b>114</b>	<b>128</b>	<b>91</b>	<b>83</b>	
<b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	<b>79</b>	<b>59</b>	<b>94</b>	<b>71</b>	<b>65</b>	
<b>ED045G: Chloride by Discrete Analyser</b>									
Chloride	16887-00-6	1	mg/L	<b>258</b>	<b>169</b>	<b>296</b>	<b>234</b>	<b>272</b>	
<b>ED093F: Dissolved Major Cations</b>									
Calcium	7440-70-2	1	mg/L	<b>56</b>	<b>39</b>	<b>74</b>	<b>52</b>	<b>66</b>	
Magnesium	7439-95-4	1	mg/L	<b>29</b>	<b>18</b>	<b>32</b>	<b>24</b>	<b>26</b>	
Sodium	7440-23-5	1	mg/L	<b>99</b>	<b>84</b>	<b>108</b>	<b>86</b>	<b>84</b>	
Potassium	7440-09-7	1	mg/L	<b>10</b>	<b>9</b>	<b>11</b>	<b>9</b>	<b>9</b>	
<b>ED093F: SAR and Hardness Calculations</b>									
Total Hardness as CaCO3	----	1	mg/L	<b>259</b>	<b>172</b>	<b>316</b>	<b>229</b>	<b>272</b>	
<b>EG020F: Dissolved Metals by ICP-MS</b>									
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	<b>0.001</b>	<0.001	<b>0.001</b>	<b>0.002</b>	<b>0.002</b>	
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	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.002</b>	



## Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore26 27/15	Bore27 96/15	Bore28 43/15	Bore29 48/14	Bore30 18/15
Sampling date / time				05-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	
Compound	CAS Number	LOR	Unit	EP2418342-021	EP2418342-022	EP2418342-023	EP2418342-024	EP2418342-025	
				Result	Result	Result	Result	Result	
<b>EG020F: Dissolved Metals by ICP-MS - Continued</b>									
Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Selenium	7782-49-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	
Iron	7439-89-6	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	
<b>EG020T: Total Metals by ICP-MS</b>									
Aluminium	7429-90-5	0.01	mg/L	<0.01	<0.01	<b>0.01</b>	<0.01	<0.01	
Arsenic	7440-38-2	0.001	mg/L	<b>0.002</b>	<0.001	<b>0.001</b>	<b>0.002</b>	<b>0.002</b>	
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	<b>0.002</b>	<b>0.001</b>	<0.001	<0.001	
Molybdenum	7439-98-7	0.001	mg/L	<0.001	<b>0.002</b>	<b>0.002</b>	<b>0.002</b>	<b>0.003</b>	
Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Selenium	7782-49-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	
Iron	7439-89-6	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	
<b>EG052G: Silica by Discrete Analyser</b>									
Reactive Silica	----	0.05	mg/L	<b>51.5</b>	<b>28.4</b>	<b>43.4</b>	<b>52.5</b>	<b>46.6</b>	
Reactive Silica as Silicon	----	0.05	mg/L	<b>24.1</b>	<b>13.3</b>	<b>20.3</b>	<b>24.5</b>	<b>21.8</b>	
<b>EK040P: Fluoride by PC Titrator</b>									
Fluoride	16984-48-8	0.1	mg/L	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	
<b>EK057G: Nitrite as N by Discrete Analyser</b>									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
<b>EK058G: Nitrate as N by Discrete Analyser</b>									
Nitrate as N	14797-55-8	0.01	mg/L	<b>0.48</b>	<b>0.71</b>	<b>0.76</b>	<b>0.69</b>	<b>0.73</b>	
<b>EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser</b>									
Nitrite + Nitrate as N	----	0.01	mg/L	<b>0.48</b>	<b>0.71</b>	<b>0.76</b>	<b>0.69</b>	<b>0.73</b>	





### Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore26 27/15	Bore27 96/15	Bore28 43/15	Bore29 48/14	Bore30 18/15
Sampling date / time				05-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00
Compound	CAS Number	LOR	Unit	EP2418342-021	EP2418342-022	EP2418342-023	EP2418342-024	EP2418342-025	Result
				Result	Result	Result	Result	Result	Result
<b>EN055: Ionic Balance</b>									
∅ Total Anions	----	0.01	meq/L	11.3	8.27	12.9	9.90	10.7	
∅ Total Cations	----	0.01	meq/L	9.74	7.31	11.3	8.54	9.32	
∅ Ionic Balance	----	0.01	%	7.57	6.17	6.45	7.36	6.84	



## Analytical Results

Sub-Matrix: WATER (Matrix: WATER)		Sample ID		Bore31 44/14	Bore32 70/14	Bore33 65/14	Bore34 63/14	----
Sampling date / time		04-Dec-2024 00:00		04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	----
Compound	CAS Number	LOR	Unit	EP2418342-026	EP2418342-027	EP2418342-028	EP2418342-029	-----
				Result	Result	Result	Result	----
<b>EA005P: pH by PC Titrator</b>								
pH Value	----	0.01	pH Unit	<b>8.00</b>	<b>8.03</b>	<b>8.06</b>	<b>8.08</b>	----
<b>EA010P: Conductivity by PC Titrator</b>								
Electrical Conductivity @ 25°C	----	1	µS/cm	<b>1070</b>	<b>990</b>	<b>1010</b>	<b>715</b>	----
<b>ED037P: Alkalinity by PC Titrator</b>								
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	<1	<1	----
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	<1	<1	----
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	<b>94</b>	<b>96</b>	<b>124</b>	<b>97</b>	----
Total Alkalinity as CaCO3	----	1	mg/L	<b>94</b>	<b>96</b>	<b>124</b>	<b>97</b>	----
<b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>								
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	<b>99</b>	<b>75</b>	<b>85</b>	<b>50</b>	----
<b>ED045G: Chloride by Discrete Analyser</b>								
Chloride	16887-00-6	1	mg/L	<b>264</b>	<b>259</b>	<b>239</b>	<b>159</b>	----
<b>ED093F: Dissolved Major Cations</b>								
Calcium	7440-70-2	1	mg/L	<b>63</b>	<b>56</b>	<b>52</b>	<b>38</b>	----
Magnesium	7439-95-4	1	mg/L	<b>28</b>	<b>25</b>	<b>25</b>	<b>18</b>	----
Sodium	7440-23-5	1	mg/L	<b>109</b>	<b>108</b>	<b>114</b>	<b>73</b>	----
Potassium	7440-09-7	1	mg/L	<b>9</b>	<b>9</b>	<b>9</b>	<b>7</b>	----
<b>ED093F: SAR and Hardness Calculations</b>								
Total Hardness as CaCO3	----	1	mg/L	<b>273</b>	<b>243</b>	<b>233</b>	<b>169</b>	----
<b>EG020F: Dissolved Metals by ICP-MS</b>								
Aluminium	7429-90-5	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	----
Arsenic	7440-38-2	0.001	mg/L	<b>0.001</b>	<b>0.001</b>	<0.001	<b>0.002</b>	----
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	----
Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Manganese	7439-96-5	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Molybdenum	7439-98-7	0.001	mg/L	<0.001	<0.001	<0.001	<b>0.001</b>	----



## Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore31 44/14	Bore32 70/14	Bore33 65/14	Bore34 63/14	----
Sampling date / time				04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	----	
Compound	CAS Number	LOR	Unit	EP2418342-026	EP2418342-027	EP2418342-028	EP2418342-029	-----	
				Result	Result	Result	Result	----	
<b>EG020F: Dissolved Metals by ICP-MS - Continued</b>									
Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----	
Selenium	7782-49-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	----	
Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	<0.005	<0.005	----	
Iron	7439-89-6	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	----	
<b>EG020T: Total Metals by ICP-MS</b>									
Aluminium	7429-90-5	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	----	
Arsenic	7440-38-2	0.001	mg/L	<b>0.002</b>	<b>0.001</b>	<0.001	<b>0.002</b>	----	
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	----	
Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----	
Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----	
Manganese	7439-96-5	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----	
Molybdenum	7439-98-7	0.001	mg/L	<0.001	<0.001	<0.001	<b>0.001</b>	----	
Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----	
Selenium	7782-49-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	----	
Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	<0.005	<0.005	----	
Iron	7439-89-6	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	----	
<b>EG052G: Silica by Discrete Analyser</b>									
Reactive Silica	----	0.05	mg/L	<b>48.9</b>	<b>38.8</b>	<b>32.7</b>	<b>54.9</b>	----	
Reactive Silica as Silicon	----	0.05	mg/L	<b>22.9</b>	<b>18.1</b>	<b>15.3</b>	<b>25.7</b>	----	
<b>EK040P: Fluoride by PC Titrator</b>									
Fluoride	16984-48-8	0.1	mg/L	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	----	
<b>EK057G: Nitrite as N by Discrete Analyser</b>									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	----	
<b>EK058G: Nitrate as N by Discrete Analyser</b>									
Nitrate as N	14797-55-8	0.01	mg/L	<b>0.52</b>	<b>0.36</b>	<b>0.34</b>	<b>1.00</b>	----	
<b>EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser</b>									
Nitrite + Nitrate as N	----	0.01	mg/L	<b>0.52</b>	<b>0.36</b>	<b>0.34</b>	<b>1.00</b>	----	



### Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Bore31 44/14	Bore32 70/14	Bore33 65/14	Bore34 63/14	----
Sampling date / time				04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	04-Dec-2024 00:00	----	----
Compound	CAS Number	LOR	Unit	EP2418342-026	EP2418342-027	EP2418342-028	EP2418342-029	-----	-----
				Result	Result	Result	Result	----	----
<b>EN055: Ionic Balance</b>									
∅ Total Anions	----	0.01	meq/L	<b>11.4</b>	<b>10.8</b>	<b>11.0</b>	<b>7.46</b>	----	----
∅ Total Cations	----	0.01	meq/L	<b>10.4</b>	<b>9.78</b>	<b>9.84</b>	<b>6.73</b>	----	----
∅ Ionic Balance	----	0.01	%	<b>4.43</b>	<b>4.89</b>	<b>5.51</b>	<b>5.16</b>	----	----