



## Analytical Results

Sub-Matrix: WATER (Matrix: WATER)		Sample ID		W1 RAMA Pit water 1	W2 RAMA Pit water 2	W3 RAMA water supply bore	----	----
		Sampling date / time		07-May-2026 00:00	07-May-2026 00:00	07-May-2026 00:00	----	----
Compound	CAS Number	LOR	Unit	EP2607643-001	EP2607643-002	EP2607643-003	-----	-----
				Result	Result	Result	---	---
<b>EA005P: pH by PC Titrator</b>								
pH Value	----	0.01	pH Unit	7.45	7.37	7.46	----	----
<b>EA010P: Conductivity by PC Titrator</b>								
Electrical Conductivity @ 25°C	----	1	µS/cm	38000	37800	45900	----	----
<b>EA015: Total Dissolved Solids dried at 180 ± 5 °C</b>								
Total Dissolved Solids @180°C	----	10	mg/L	26500	27500	33400	----	----
<b>EA065: Total Hardness as CaCO3</b>								
Total Hardness as CaCO3	----	1	mg/L	5400	5440	6660	----	----
<b>ED037P: Alkalinity by PC Titrator</b>								
Hydroxide Alkalinity as CaCO3	----	1	mg/L	<1	<1	<1	----	----
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	<1	----	----
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	482	481	487	----	----
Total Alkalinity as CaCO3	----	1	mg/L	482	481	487	----	----
<b>ED040F: Dissolved Major Anions</b>								
Silicon as SiO2	7440-21-3	0.1	mg/L	48.7	48.3	50.5	----	----
<b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>								
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	2040	2040	2470	----	----
<b>ED045G: Chloride by Discrete Analyser</b>								
Chloride	16887-00-6	1	mg/L	13700	13700	16900	----	----
<b>ED093F: Dissolved Major Cations</b>								
Calcium	7440-70-2	1	mg/L	449	448	409	----	----
Magnesium	7439-95-4	1	mg/L	1040	1050	1370	----	----
Sodium	7440-23-5	1	mg/L	7610	7700	9750	----	----
Potassium	7440-09-7	1	mg/L	79	80	87	----	----
<b>EG020F: Dissolved Metals by ICP-MS</b>								
Aluminium	7429-90-5	0.01	mg/L	<0.05	<0.05	<0.05	----	----
Arsenic	7440-38-2	0.001	mg/L	<0.005	<0.005	<0.005	----	----
Barium	7440-39-3	0.001	mg/L	0.029	0.030	0.022	----	----



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				Result	Result	Result	---	---	
<b>EG020F: Dissolved Metals by ICP-MS - Continued</b>									
Cadmium	7440-43-9	0.0001	mg/L		<0.0005	<0.0005	<0.0005	----	----
Chromium	7440-47-3	0.001	mg/L		<0.005	<0.005	<0.005	----	----
Copper	7440-50-8	0.001	mg/L		<0.005	<0.005	<0.005	----	----
Cobalt	7440-48-4	0.001	mg/L		<0.005	<0.005	<0.005	----	----
Nickel	7440-02-0	0.001	mg/L		<b>0.010</b>	<b>0.010</b>	<0.005	----	----
Lead	7439-92-1	0.001	mg/L		<0.005	<0.005	<0.005	----	----
Zinc	7440-66-6	0.005	mg/L		<0.025	<0.025	<0.025	----	----
Manganese	7439-96-5	0.001	mg/L		<b>0.239</b>	<b>0.252</b>	<b>0.297</b>	----	----
Selenium	7782-49-2	0.004	mg/L		<0.020	<0.020	<0.020	----	----
Boron	7440-42-8	0.05	mg/L		<b>3.52</b>	<b>3.61</b>	<b>4.36</b>	----	----
Iron	7439-89-6	0.05	mg/L		<0.25	<0.25	<0.25	----	----
<b>EG035F: Dissolved Mercury by FIMS</b>									
Mercury	7439-97-6	0.0001	mg/L		<0.0001	<0.0001	<0.0001	----	----
<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	----	----
<b>EK058G: Nitrate as N by Discrete Analyser</b>									
Nitrate as N	14797-55-8	0.01	mg/L		<b>0.92</b>	<b>1.12</b>	<0.01	----	----
<b>EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser</b>									
Nitrite + Nitrate as N	----	0.01	mg/L		<b>0.92</b>	<b>1.12</b>	<0.01	----	----
<b>EN055: Ionic Balance</b>									
∅ Total Anions	----	0.01	meq/L		<b>439</b>	<b>439</b>	<b>538</b>	----	----
∅ Total Cations	----	0.01	meq/L		<b>441</b>	<b>446</b>	<b>559</b>	----	----
∅ Ionic Balance	----	0.01	%		<b>0.28</b>	<b>0.81</b>	<b>1.97</b>	----	----