

## Analytical Method Information

Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike %R	RPD	Blank Spike / LCS %R	RPD
<b>Ag DW ICP 200.7 in Water (EPA 200.7)</b>								
Preservation: Add HNO <sub>3</sub> to pH<2								
Container: 500 mL Poly HNO <sub>3</sub>								
Amount Required: 500ml				Hold Time: 180 days				
Silver	0.0020	0.010 mg/l		20	70 - 130	20	85 - 115	20
<b>Aggressive Index Calc in Water (AWWA)</b>								
Preservation: Store cool at 4°C								
Container: 1L Poly - Unpres								
Amount Required: 1L				Hold Time: 180 days				
Aggressive Index		2.000 NU						
<b>Alkalinity 2320B in Water (SM2320B)</b>								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres								
Amount Required: 500 ml				Hold Time: 14 days				
Bicarbonate Alkalinity as CaCO <sub>3</sub>	2.2	5.0 mg/l		20				
Carbonate Alkalinity as CaCO <sub>3</sub>	2.2	5.0 mg/l		20				
Hydroxide Alkalinity as CaCO <sub>3</sub>	2.2	5.0 mg/l		20				
Total Alkalinity as CaCO <sub>3</sub>	2.2	5.0 mg/l		20				
<b>Bicarbonate in Water (SM2320B)</b>								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres								
Amount Required: 500ml				Hold Time: 14 days				
Bicarbonate	2.7	5.0 mg/l		20				
<b>Ca DW ICP 200.7 in Water (EPA 200.7)</b>								
Preservation: Add HNO <sub>3</sub> to pH<2								
Container: 500 mL Poly HNO <sub>3</sub>								
Amount Required: 500ml				Hold Time: 180 days				
Calcium	0.030	1.0 mg/l		20	70 - 130	20	85 - 115	20
<b>Carbonate in Water (SM2320B)</b>								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres								
Amount Required: 500ml				Hold Time: 14 days				
Carbonate	2.2	5.0 mg/l		20				
<b>Chloride 300.0 in Water (EPA 300.0)</b>								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres								
Amount Required: 500ml				Hold Time: 28 days				
Chloride	0.070	0.50 mg/l		20	80 - 120	20	90 - 110	20
<b>Conductivity-120.1 in Water (EPA 120.1)</b>								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres								
Amount Required: 500 ml				Hold Time: 28 days				
Specific Conductance (EC)	1.0	20 umhos/cm		10				
<b>Cu Tot ICP/MS 200.8 in Water (EPA 200.8)</b>								
Preservation: Add HNO <sub>3</sub> to pH<2								
Container: 500 mL Poly HNO <sub>3</sub>								
Amount Required: 100 ml				Hold Time: 180 days				
Copper	0.040	0.50 ug/l		20	70 - 130	20	85 - 115	20
<b>Fe DW Tot ICP/MS 200.8 in Water (EPA 200.8)</b>								
Preservation: Add HNO <sub>3</sub> to pH<2								
Container: 500 mL Poly Unpres								
Amount Required: 100 ml				Hold Time: 180 days				
Iron	1.8	10 ug/l		20	70 - 130	20	85 - 115	20

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Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike %R	RPD	Blank Spike / LCS %R	RPD
<b>Hardness Calc SM2340B in Water (SM2340B)</b>								
Preservation: Add HNO <sub>3</sub> to pH<2								
Container: 250 mL Poly HNO <sub>3</sub> Amount Required: 250ML Hold Time: 180 days								
Hardness, Total	1.00	5.00 mg/l		20				
<b>Hydroxide in Water (SM2320B)</b>								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres Amount Required: 500ml Hold Time: 14 days								
Hydroxide		1.0 mg/l		5				
<b>K DW ICP 200.7 in Water (EPA 200.7)</b>								
Preservation: Add HNO <sub>3</sub> to pH<2								
Container: 500 mL Poly HNO <sub>3</sub> Amount Required: 500ml Hold Time: 180 days								
Potassium	0.030	1.0 mg/l		20	70 - 130	20	85 - 115	20
<b>MBAS- SM5540C in Water (SM5540C)</b>								
Preservation: Store cool at 4°C								
Container: 1L Poly - Unpres Amount Required: 1000 ml Hold Time: 2 days								
Methylene Blue Active Substances	0.030	0.050 mg/l		20	80 - 120	20	80 - 120	20
<b>Mg DW ICP 200.7 in Water (EPA 200.7)</b>								
Preservation: Add HNO <sub>3</sub> to pH<2								
Container: 500 mL Poly HNO <sub>3</sub> Amount Required: 500ml Hold Time: 180 days								
Magnesium	0.030	1.0 mg/l		20	70 - 130	20	85 - 115	20
<b>Mn Tot ICP/MS 200.8 in Water (EPA 200.8)</b>								
Preservation: Add HNO <sub>3</sub> to pH<2								
Container: 500 mL Poly HNO <sub>3</sub> Amount Required: 100 ml Hold Time: 180 days								
Manganese	0.030	5.0 ug/l		20	70 - 130	20	85 - 115	20
<b>Na DW ICP 200.7 in Water (EPA 200.7)</b>								
Preservation: Add HNO <sub>3</sub> to pH<2								
Container: 500 mL Poly HNO <sub>3</sub> Amount Required: 500ml Hold Time: 180 days								
Sodium	0.0050	1.0 mg/l		20	70 - 130	20	85 - 115	20
<b>pH water SM4500 in Water (SM4500-H+ B)</b>								
Preservation: Store cool at 4°C								
Container: 250 mL Poly Unpres Amount Required: 250ml Hold Time: 0.01 days								
pH	1.000	1.000 pH Units		20				
<b>Solids, TDS-SM2540C in Water (SM2540C)</b>								
Preservation: Store cool at 4°C								
Container: 1L Poly - Unpres Amount Required: 500ML Hold Time: 7 days								
Total Dissolved Solids	4.2	10 mg/l		30			80 - 120	20
<b>Sulfate 300.0 in Water (EPA 300.0)</b>								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres Amount Required: 500ml Hold Time: 28 days								
Sulfate as SO <sub>4</sub>	0.30	0.50 mg/l		20	80 - 120	20	90 - 110	20
<b>Zn Tot ICP/MS 200.8 in Water (EPA 200.8)</b>								
Preservation: Add HNO <sub>3</sub> to pH<2								
Container: 500 mL Poly HNO <sub>3</sub> Amount Required: 100 ml Hold Time: 180 days								
Zinc	0.50	5.0 ug/l		20	70 - 130	20	85 - 115	20