Analytical Method Information

Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike %R	Matrix Spike RPD	Blank Spike / LCS %R	Blank Spike / LCS RPD
Ag Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Silver	0.020	0.10 ug/l		20	70 - 130	20	85 - 115	20
Al Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Aluminum	2.0	10 ug/l		20	70 - 130	20	85 - 115	20
As Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Arsenic	0.070	0.50 ug/l		20	70 - 130	20	85 - 115	20
Ba Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Barium	0.030	0.50 ug/l		20	70 - 130	20	85 - 115	20
Be Total ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Beryllium	0.020	0.10 ug/l		20	70 - 130	20	85 - 115	20
Cd Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Cadmium	0.020	0.10 ug/l		20	70 - 130	20	85 - 115	20
Chloride 300.0 in Water (EPA 300.0)								
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
Cr Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Chromium	0.080	0.50 ug/l		20	70 - 130	20	85 - 115	20
Cu Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Copper	0.040	0.50 ug/l		20	70 - 130	20	85 - 115	20
Cyanide, Total in Water (SM4500CNE)								
Preservation: Cool, NaOH to pH >12, Ascorbic acid if chlorinated								
Container: 250 mL Brown Poly NaOH			**Amount Required:** 500ml			**Hold Time:** 14 days		
Cyanide (total)	0.014	0.020 mg/l		20	85 - 115	20	90 - 110	20
Fe DW ICP 200.7 in Water (EPA 200.7)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 500ml			**Hold Time:** 180 days		
Iron	0.0030	0.10 mg/l		20	70 - 130	20	85 - 115	20

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Fluoride 300.0 in Water (EPA 300.0)								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres			**Amount Required:** 500ml			**Hold Time:** 28 days		
Fluoride	0.050	0.10 mg/l		20	80 - 120	20	90 - 110	20
Hg DW CVAA 245.1 in Water (EPA 245.1)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 500ml			**Hold Time:** 28 days		
Mercury	0.00020	0.0010 mg/l		20	60 - 140	20	80 - 120	20
Mn Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Manganese	0.030	5.0 ug/l		20	70 - 130	20	85 - 115	20
Ni Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Nickel	0.060	0.50 ug/l		20	70 - 130	20	85 - 115	20
Nitrate as N 300.0 in Water (EPA 300.0)								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres			**Amount Required:** 500 ml			**Hold Time:** 2 days		
Nitrate as N	0.030	0.20 mg/l		20	80 - 120	20	90 - 110	20
Nitrite as N 300.0 in Water (EPA 300.0)								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres			**Amount Required:** 500ml			**Hold Time:** 2 days		
Nitrite as N	0.020	0.20 mg/l		20	80 - 120	20	90 - 110	20
NO2+NO3 as N Calc in Water (EPA 300.0)								
Preservation: Store cool at 4°C								
Container: 1L Poly - Unpres			**Amount Required:** 250 ml			**Hold Time:** 28 days		
Nitrate/Nitrite as N	0.0086	0.40 mg/l		20		20		20
Pb Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Lead	0.020	0.25 ug/l		20	70 - 130	20	85 - 115	20
Phenols, Low-420.1 in Water (EPA 420.1)								
Preservation: Add H2SO4 to pH<2; Store cool at 4°C								
Container: 1L Amber-H2SO4			**Amount Required:** 2 1L			**Hold Time:** 28 days		
Phenol	0.0010	0.0010 mg/l			85 - 115	15	85 - 115	15
Sb Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Antimony	0.020	0.50 ug/l		20	70 - 130	20	85 - 115	20
Se Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Selenium	0.070	1.0 ug/l		20	70 - 130	20	85 - 115	20

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Sulfate 300.0 in Water (EPA 300.0)								
Preservation: Store cool at 4°C								
Container: 500 mL Poly Unpres			**Amount Required:** 500ml			**Hold Time:** 28 days		
Sulfate as SO4	0.30	0.50 mg/l		20	80 - 120	20	90 - 110	20
Tl Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Thallium	0.020	0.10 ug/l		20	70 - 130	20	85 - 115	20
Zn Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO3 to pH<2								
Container: 500 mL Poly HNO3			**Amount Required:** 100 ml			**Hold Time:** 180 days		
Zinc	0.50	5.0 ug/l		20	70 - 130	20	85 - 115	20