

Analytical Method Information

Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike %R	RPD	Blank Spike / LCS %R	RPD
Al Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
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 HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
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 HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
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 HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
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 HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
Amount Required: 100 ml								
Hold Time: 180 days								
Cadmium	0.020	0.10 ug/l		20	70 - 130	20	85 - 115	20
Cr Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
Amount Required: 100 ml								
Hold Time: 180 days								
Chromium	0.080	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
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 HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
Amount Required: 500ml								
Hold Time: 28 days								
Mercury	0.00020	0.0010 mg/l		20	60 - 140	20	80 - 120	20
Ni Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
Amount Required: 100 ml								
Hold Time: 180 days								
Nickel	0.060	0.50 ug/l		20	70 - 130	20	85 - 115	20
Nitrate 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 NO ₃	0.20	1.0 mg/l		20	80 - 120	20	90 - 110	20

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Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike %R	Matrix Spike RPD	Blank Spike / LCS %R	Blank Spike / LCS RPD
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 HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
Amount Required: 100 ml								
Hold Time: 180 days								
Lead	0.020	0.25 ug/l		20	70 - 130	20	85 - 115	20
Sb Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
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 HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
Amount Required: 100 ml								
Hold Time: 180 days								
Selenium	0.070	1.0 ug/l		20	70 - 130	20	85 - 115	20
Tl Tot ICP/MS 200.8 in Water (EPA 200.8)								
Preservation: Add HNO ₃ to pH<2								
Container: 500 mL Poly HNO ₃								
Amount Required: 100 ml								
Hold Time: 180 days								
Thallium	0.020	0.10 ug/l		20	70 - 130	20	85 - 115	20