



Should you ever have a problem with any standard, Water QC or otherwise, let us know. We'll immediately investigate the problem by testing a retained sample of your solution. If the error is on our end, you'll be offered a full refund or a free replacement – your choice. Our priority is your total satisfaction.

Customer Satisfaction — The primary reason we flex to your specs.

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- ✓ Traceable to NIST SRMs and lots
- ✓ Produced under ISO 9001
- ✓ Produced under ISO 17025
- ✓ Produced under ISO Guide 34
- ✓ Assayed by optimal validated procedures



Courtney Dowdy, CSR–Domestic, and George Akers Jr., Facilities & Safety Coordinator/Shipping Supervisor

Custom potable water standards are available upon request.

Bromate	
ICBR031-1	Volume: 125 mL Matrix: H ₂ O
Analyte	µg/mL
BrO₃⁻	1,000

Bromide	
ICBR1-1	Volume: 125 mL Matrix: H ₂ O
Analyte	µg/mL
Br⁻	1,000

Cation Standard	
QCP-CAT	Volume: 20 mL Matrix: HNO ₃ Dilution 1:100
Analyte	Range
Ca⁺²	3.5–110 mg/L
K⁺	4–40 mg/L
Mg⁺²	2–40 mg/L
Na⁺	6–100 mg/L

Chlorate	
ICCL031-1	Volume: 125 mL Matrix: H ₂ O
Analyte	µg/mL
ClO₃⁻	1,000

Chlorite	
ICCL021-1	Volume: 125 mL Matrix: H ₂ O
Analyte	µg/mL
ClO₂⁻	1,000

NOTE: Contains less than 10ppm ClO₃⁻.

Cyanide Standard	
QCP-CN	Volume: 20 mL Matrix: H ₂ O Dilution 1:200
Analyte	Range
Total Cyanide	0.1–1 mg/L
Free Cyanide	0.05–0.5 mg/L
Cyanide Amenable to Chlorination	0.05–0.5 mg/L

Demand Standard	
QCP-DMD	Volume: 20 mL Matrix: H ₂ O Dilution 1:200
Analyte	Range
TOC	6–100 mg/L
COD	30–250 mg/L
CBOD	15–250 mg/L
BOD	15–250 mg/L

Hg Standard	
QCP-HG	Volume: 20 mL Matrix: HNO ₃ Dilution 1:200
Analyte	Range*
Hg	2–30 µg/L

Used in conjunction with QCP-TMS and QCP-MTL. *Parts per billion

Water Hardness Standard	
QCP-WH	Volume: 500 mL Matrix: HNO ₃ Dilution: Ready to Use
Analyte	Range
Ca	8.7–275 mg/L
Mg	2.9–92 mg/L
Hardness as CaCO₃	17–440 mg/L

pH Standard	
QCP-PH	Volume: 20 mL Matrix: H ₂ O Dilution: Ready to Use
Analyte	Range
pH	5–10 units

POTABLE WATER STANDARDS

Potable Water Standards

Metals Standard	
QCP-MTL	Volume: 20 mL Matrix: HNO ₃ Dilution 1:200
Analyte	Range*
Ag	26–1,000 µg/L
Al	200–4,000 µg/L
As	70–900 µg/L
Ba	100–2,500 µg/L
Be	8–900 µg/L
Ca	3.5–110 mg/L
Cd	8–1,000 µg/L
Cr	17–1,000 µg/L
Cu	40–1,000 µg/L
Fe	200–4,000 µg/L
Mn	70–4,000 µg/L
Ni	80–3,000 µg/L
Pb	70–3,000 µg/L
Sb	90–900 µg/L
Se	90–2,000 µg/L
Tl	60–900 µg/L
Zn	100–2,000 µg/L

*Parts per billion

Minerals Standard	
QCP-MIN	Volume: 500 mL Matrix: H ₂ O Dilution: Ready to Use
Analyte	Range
Cl⁻	35–275 mg/L
F⁻	0.3–4 mg/L
K⁺	4–40 mg/L
Nitrate as Nitrogen	0.25–40 mg/L
Conductivity	200–1,200 µmhos
Alkalinity	10–400 mg/L
Na⁺	6–100 mg/L
SO₄⁻²	5–125 mg/L

Nitrite Standard	
QCP-NT	Volume: 20 mL Matrix: H ₂ O Dilution: 1:100
Analyte	Range
Nitrite as Nitrogen	0.4–4 mg/L

Simple Nutrients Standard	
QCP-NUT-1	Volume: 20 mL Matrix: H ₂ O Dilution 1:200
Analyte	Range
Phosphate as Phosphorus	0.5–5.5 mg/L
Nitrate plus Nitrite as Nitrogen	0.25–40 mg/L
Nitrate as Nitrogen	0.25–40 mg/L
Ammonium as Nitrogen	0.65–20 mg/L

Simulated Rainwater Standard	
QCP-RAIN	Volume: 125 mL Matrix: H ₂ O Dilution: Ready to Use
Analyte	Range
Ca⁺²	3.5–110 mg/L
Cl⁻	35–275 mg/L
F⁻	0.3–4 mg/L
K⁺	4–40 mg/L
Mg⁺²	2–40 mg/L
pH	5–10 units
Conductivity	200–1,200 µmhos
Na⁺	6–100 mg/L
NH₄⁺	0.79–24 mg/L
NO₃⁻	1.1–177 mg/L
SO₄⁻²	5–125 mg/L

Total Residual Chlorine Standard	
QCP-TRC	Volume: 10 mL Matrix: H ₂ O Dilution: 1:200
Analyte	Range
Total Residual Chlorine	0.5–3.0 mg/L

Turbidity Standard	
QCP-TURB	Volume: 20 mL Matrix: H ₂ O Dilution: 1:100
Analyte	Range
Turbidity	2–30 NTU

Custom wastewater standards are available upon request.

Cation Standard	
QCP-CAT	Volume: 20 mL Matrix: HNO ₃ Dilution 1:100
Analyte	Range
Ca ⁺²	3.5–110 mg/L
K ⁺	4–40 mg/L
Mg ⁺²	2–40 mg/L
Na ⁺	6–100 mg/L

Demand Standard	
QCP-DMD	Volume: 20 mL Matrix: H ₂ O Dilution 1:200
Analyte	Range
TOC	6–100 mg/L
COD	30–250 mg/L
CBOD	15–250 mg/L
BOD	15–250 mg/L

Chromium ⁺⁶ Standard	
QCP-CR6	Volume: 20 mL Matrix: H ₂ O Dilution 1:100
Analyte	Range*
Cr ⁺⁶	45–900 µg/L

*Parts per billion

Hardness Standard	
QCP-WH	Volume: 500 mL Matrix: HNO ₃ Dilution: Ready to Use
Analyte	Range
Ca	8.7–275 mg/L
Mg	2.9–92 mg/L
Hardness as CaCO ₃	17–440 mg/L

Complex Nutrients Standard	
QCP-NUT-2	Volume: 20 mL Matrix: H ₂ O Dilution 1:200
Analyte	Range
Total Organic Phosphorus as Phosphorus (P)	0.5–10 mg/L
Total Kjeldahl Nitrogen as Nitrogen (N)	1.5–35 mg/L

Cyanide Standard	
QCP-CN	Volume: 20 mL Matrix: H ₂ O Dilution 1:200
Analyte	Range
Total Cyanide	0.01–1 mg/L
Free Cyanide	0.05–0.5 mg/L
Cyanide Amenable to Chlorination	0.05–0.5 mg/L



Roy Pesciotta, Regulatory Administrator, and
Tammy Shepherd, Domestic Sales and Marketing Supervisor

WASTEWATER STANDARDS

Wastewater Standards

Custom wastewater standards are available upon request.

Hg Standard	
QCP-HG	Volume: 20 mL Matrix: HNO ₃ Dilution 1:200
Analyte	Range*
Hg	2–30 µg/L

Used in conjunction with QCP-TMS and QCP-MTL. *Parts per billion.

pH Standard	
QCP-PH	Volume: 20 mL Matrix: H ₂ O Dilution: Ready to Use
Analyte	Range
pH	5–10 units

Minerals Standard	
QCP-MIN	Volume: 500 mL Matrix: H ₂ O Dilution: Ready to Use
Analyte	Range
Cl⁻	35–275 mg/L
F⁻	0.3–4 mg/L
K⁺	4–40 mg/L
Nitrate as Nitrogen	0.25–40 mg/L
Conductivity	200–1,200 µmhos
Alkalinity	10–400 mg/L
Na⁺	6–100 mg/L
SO₄⁻²	5–125 mg/L

Phenolics Standard	
QCP-PHEN	Volume: 20 mL Matrix: H ₂ O Dilution 1:200
Analyte	Range
Total Phenolics	0.06–5 mg/L

Oil & Grease Standard	
QCP-OG-A	Volume: 20 mL Matrix: Acetone Dilution 1:100
Analyte	Range
Oil & Grease	20–200 mg/L

Applicable to gravimetric methods only.

Simple Nutrients Standard	
QCP-NUT-1	Volume: 20 mL Matrix: H ₂ O Dilution 1:200
Analyte	Range
Phosphate as Phosphorus	0.5–5.5 mg/L
Nitrate plus Nitrite as Nitrogen	0.25–40 mg/L
Nitrate as Nitrogen	0.25–40 mg/L
Ammonium as Nitrogen	0.65–20 mg/L

Oil & Grease Standard	
QCP-OG-W	Volume: 250 mL Matrix: H ₂ O Dilution: Ready to Use
Analyte	Range
Oil & Grease	20–200 mg/L



Laura Dickerson, Manufacturing Technician, and
Nicholas Plymale, Quality Control Technician

Solids Standard	
QCP-SLD	Volume: 450 mL Matrix: H ₂ O Dilution: Ready to Use
Analyte	Range
Total Solids (total residue)	140–800 mg/L
Suspended Solids (nonfilterable residue)	20–100 mg/L
Dissolved Solids (filterable residue)	140–800 mg/L

Total Residual Chlorine Standard	
QCP-TRC	Volume: 10 mL Matrix: H ₂ O Dilution: 1:200
Analyte	Range
Total Residual Chlorine	0.5–3.0 mg/L

1,000 µg/mL Total Cyanide	
CN-1000-25	Volume: 20 mL Matrix: H ₂ O
Analyte	µg/mL
CN-	1,000

Mercury Standard	
MSHG-1PPM	Volume: 125 mL Matrix: HCl
Analyte	µg/mL
Hg	1

Trace Metals Standard	
QCP-TMS	Volume: 20 mL Matrix: HNO ₃ Dilution 1:100
Analyte	Range*
Ag	26–1,000 µg/L
Al	200–4,000 µg/L
As	70–900 µg/L
B	800–2,000 µg/L
Ba	100–2,500 µg/L
Be	8–900 µg/L
Cd	8–1,000 µg/L
Co	28–1,000 µg/L
Cr	17–1,000 µg/L
Cu	40–1,000 µg/L
Fe	200–4,000 µg/L
Mn	70–4,000 µg/L
Mo	60–600 µg/L
Ni	80–3,000 µg/L
Pb	70–3,000 µg/L
Sb	90–900 µg/L
Se	90–2,000 µg/L
Sr	30–500 µg/L
Tl	60–900 µg/L
V	50–2,000 µg/L
Zn	100–2,000 µg/L

*Parts per billion

Turbidity Standard	
QCP-TURB	Volume: 20 mL Matrix: H ₂ O Dilution: 1:100
Analyte	Range
Turbidity	2–30 NTU

1,000 µg/mL Standards

Custom wastewater standards are available upon request.

1,000 µg/mL

ANALYTE	MATRIX	STARTING MATERIAL	VOLUME	CATALOG #
Carbon, C	H ₂ O	KHP	125 mL 500 mL	TOCKHP1-1 TOCKHP1-5