

CLEAN WATER

For International purchase only: Synthetic drinking water matrices with low concentrations of analytes for testing water supply, drinking water, or ground water. Standards are designed to meet the requirements of the European Union Water Framework Directive. Concentrations are not compliant with US TNI Fields of Proficiency Testing table requirements for accreditation.



2015 Clean Water PT Scheme Schedule

Scheme #	Opens	Closes
CW 15	Mar 4	Apr 3
CW 16	Sep 9	Oct 9

Schedule subject to change – see ERA's website at www.eraqc.com

2016 Clean Water PT Scheme Schedule

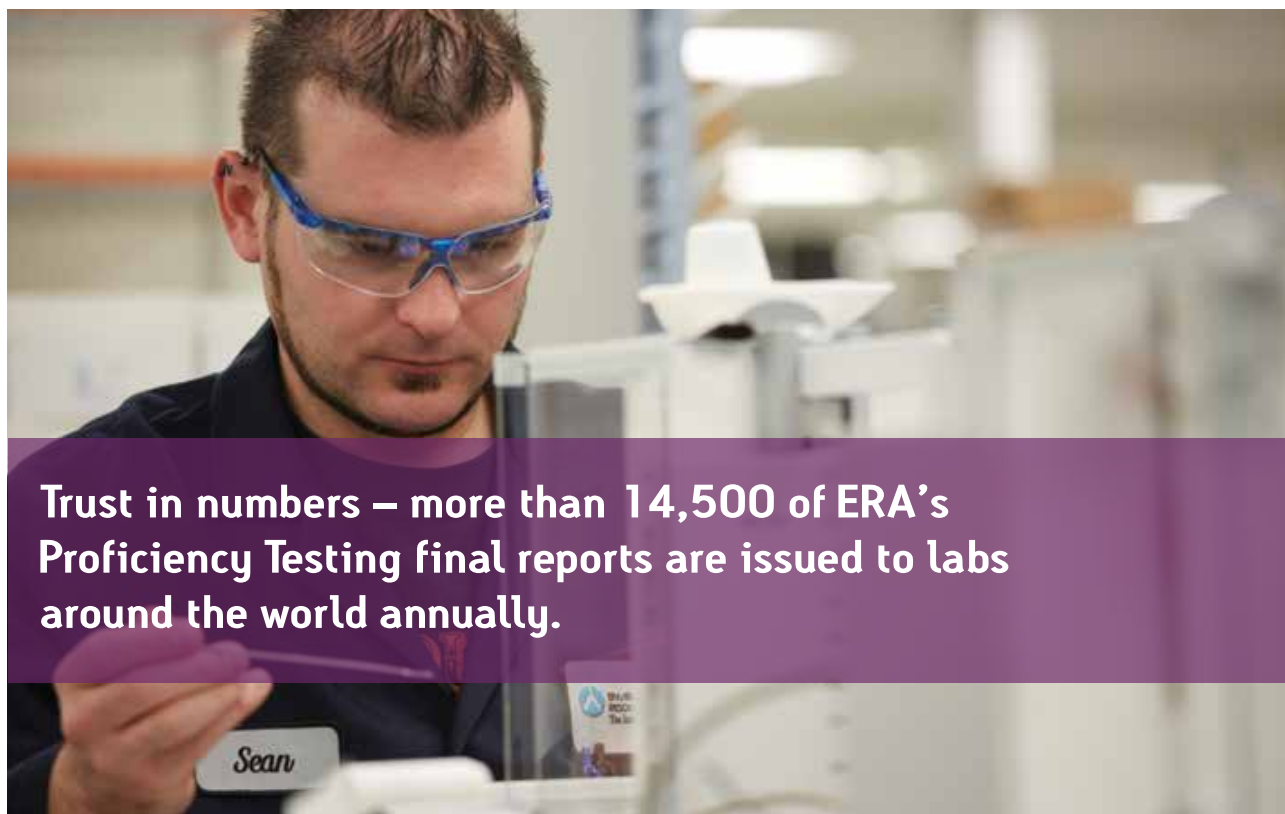
Scheme #	Opens	Closes
CW 17	Mar 9	Apr 8
CW 18	Sep 7	Oct 7

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CRM – Certified Reference Material
PT – Proficiency Testing



Trust in numbers – more than 14,500 of ERA’s Proficiency Testing final reports are issued to labs around the world annually.

INORGANICS

Inorganic Disinfection By-products

CRM Cat. #1343	PT Cat. #1303
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Two 24 mL screw-cap vials yield up to 2 liters of sample.

Bromate.....	1-12 µg/L
Bromide.....	5-100 µg/L
Chlorate.....	5-100 µg/L
Chlorite.....	5-100 µg/L

Cyanide

CRM Cat. #1345	PT Cat. #1305
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One 15 mL screw-cap vial yields up to 2 liters of sample.

Free Cyanide.....	5-100 µg/L
Total Cyanide.....	5-100 µg/L

Common Inorganics in Hard Water

CRM Cat. #1346	PT Cat. #1306
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A 1 liter poly bottle whole-volume sample is ready to be analyzed.

Alkalinity.....	25-200 mg/L
Calcium.....	10-100 mg/L
Chloride.....	20-250 mg/L
Conductivity.....	130-1400 µmhos/cm
Fluoride.....	0.2-2 mg/L
Magnesium.....	2-10 mg/L
pH.....	5-10 units
Potassium.....	2-25 mg/L
Sodium.....	20-250 mg/L
Sulfate.....	20-250 mg/L
Total dissolved solids.....	100-1,000 mg/L
Total Hardness.....	30-300 mg/L

Common Inorganics in Soft Water

CRM Cat. #1347	PT Cat. #1307
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A 1 liter poly bottle whole-volume sample is ready to be analyzed.

Alkalinity.....	25-200 mg/L
Calcium.....	2-20 mg/L
Chloride.....	5-50 mg/L
Conductivity.....	25-300 µmhos/cm
Fluoride.....	0.2-2 mg/L
Magnesium.....	0.5-5 mg/L
pH.....	5-10 units
Potassium.....	1-10 mg/L
Sodium.....	5-50 mg/L
Sulfate.....	5-50 mg/L
Total dissolved solids.....	20-200 mg/L
Total Hardness.....	5-75 mg/L

Color

CRM Cat. #1353	PT Cat. #1313
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One 125 mL whole-volume bottle sample is ready to be analyzed.

Color.....	5-25 pc units
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Demand

CRM Cat. #1354	PT Cat. #1314
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One 15 mL screw-cap vial yields up to 2 liters of sample.

5-day BOD.....	2-25 mg/L
COD.....	2-25 mg/L
DOC.....	1-10 mg/L
TOC.....	1-10 mg/L

High Solids

CRM Cat. #1355	PT Cat. #1315
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One 24 mL screw-cap vial with a powder concentrate yields 1 liter of solution.

Total dissolved solids.....	100-1,000 mg/L
Total suspended solids (TSS).....	5-50 mg/L

Chlorine

CRM Cat. #1358	PT Cat. #1318
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One 2 mL flame-sealed ampule spiking concentrate and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample.

Total Chlorine.....	75-500 µg/L
Free Chlorine.....	75-500 µg/L

METALS

Metals

CRM Cat. #1340	PT Cat. #1300
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Two 15 mL screw-cap vial spiking concentrates and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample.

Aluminum	25-500 µg/L
Antimony	1-20 µg/L
Arsenic	1-25 µg/L
Barium	100-2,000 µg/L
Beryllium	1-20 µg/L
Boron	100-2,000 µg/L
Cadmium	1-20 µg/L
Chromium	5-100 µg/L
Cobalt	2-50 µg/L
Copper	200-5,000 µg/L
Iron	25-500 µg/L
Lead	1-25 µg/L
Lithium	50-1,000 µg/L
Manganese	5-100 µg/L
Molybdenum	5-100 µg/L
Nickel	1-25 µg/L
Selenium	1-12 µg/L
Silver	10-200 µg/L
Strontium	50-1,000 µg/L
Thallium	2-50 µg/L
Tin	100-2,000 µg/L
Vanadium	2-50 µg/L
Zinc	100-2,000 µg/L

Mercury

CRM Cat. #1341	PT Cat. #1301
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One 15 mL screw-cap vial spiking concentrate and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample.

Mercury, total	0.1 to 1.2 µg/L
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NUTRIENTS

Simple Nutrients in Hard Water

CRM Cat. #1348	PT Cat. #1308
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Two 15 mL screw-cap vial spiking concentrates and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample.

Ammonium (NH ₄)	0.1-1 mg/L
Nitrate (NO ₃)	3-60 mg/L
Nitrite (NO ₂)	0.1-1 mg/L
Soluble reactive phosphorus (P)	0.5-5 mg/L
Total oxidised nitrogen (TON)	3-60 mg/L

Simple Nutrients in Soft Water

CRM Cat. #1349	PT Cat. #1309
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Two 15 mL screw-cap vial spiking concentrates and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample.

Ammonium (NH ₄)	0.1-1 mg/L
Nitrate (NO ₃)	3-60 mg/L
Nitrite (NO ₂)	0.1-1 mg/L
Soluble reactive phosphorus (P)	0.5-5 mg/L
Total oxidized nitrogen (TON)	3-60 mg/L

Complex Nutrients in Soft Water

CRM Cat. #1351	PT Cat. #1311
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One 15 mL screw-cap vial spiking concentrate and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample.

Total Kjeldahl Nitrogen	0.5-5 mg/L
Total Phosphorus	0.5-5 mg/L

QuiK Response PT

Need PT results fast? Available 52 weeks a year, QuiK Response PTs are on demand PTs that return final results within minutes of submitting your data online. In the US, please call ERA customer service at 800-372-0122 or 303-431-8454 to order. Outside of the US, please contact your authorized ERA sales partner to order.

ORGANICS

Volatiles

CRM Cat. #1370	PT Cat. #1330
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One 2 mL flame-sealed ampule spiking concentrate and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample to be analyzed for the compounds listed below at 0.1-50 µg/L.

Benzene	Tetrachloroethene
Carbon tetrachloride	Toluene
Chlorobenzene	1,2,4-Trichlorobenzene
1,2-Dichlorobenzene	1,1,1-Trichloroethane
1,4-Dichlorobenzene	1,1,2-Trichloroethane
1,2-Dichloroethane	Trichloroethene
1,1-Dichloroethylene	Vinyl chloride
cis-1,2-Dichloroethylene	o-Xylene
trans-1,2-Dichloroethylene	m-Xylene
1,2-Dichloropropane	p-Xylene
Ethylbenzene	m+p-Xylene
Methylene chloride	Xylenes, total
Styrene	

Trihalomethanes

CRM Cat. #1371	PT Cat. #1331
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One 2 mL flame-sealed ampule spiking concentrate and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample to be analyzed for the compounds listed below at 10-100 µg/L.

Bromodichloromethane	Chlorodibromomethane
Bromoform	Chloroform

Semivolatiles

CRM Cat. #1372	PT Cat. #1332
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One 2 mL flame-sealed ampule spiking concentrate and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample to be analyzed for the compounds listed below at 2-50 ng/L (benzo[a]pyrene at 1-12 ng/L).

Acenaphthene	Diethyl phthalate
Acenaphthylene	Dimethyl phthalate
Anthracene	Di-n-octyl phthalate
Benzo(a)anthracene	bis(2-Ethylhexyl)adipate
Benzo(b)fluoranthene	bis(2-Ethylhexyl)phthalate
Benzo(k)fluoranthene	Fluoranthene
Benzo(g,h,i)perylene	Fluorene
Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene
Butylbenzylphthalate	Naphthalene
Chrysene	Phenanthrene
Dibenz(a,h)anthracene	Pyrene
Di-n-butyl phthalate	

PCB Congeners

CRM Cat. #1373	PT Cat. #1333
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One 2 mL flame-sealed ampule spiking concentrate and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample to be analyzed for the compounds listed below at 5-100 ng/L.

PCB 28	PCB 138
PCB 52	PCB 153
PCB 101	PCB 180
PCB 118	

Organochlorine Pesticides

CRM Cat. #1374	PT Cat. #1334
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One 2 mL flame-sealed ampule spiking concentrate and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample to be analyzed for the compounds listed below at 10-150 ng/L (aldrin, dieldrin, heptachlor, and heptachlor epoxide at 2-40 ng/L).

2,4-DDT	Endosulfan I
4,4'-DDD	Endosulfan II
4,4'-DDE	Endrin
4,4'-DDT	Gamma BHC (Lindane)
Aldrin	Heptachlor
Alpha BHC	Heptachlor epoxide
Beta BHC	Hexachlorobenzene
Delta BHC	Pentachlorobenzene
Dieldrin	Trifluralin

Triazines, Urons, and Acid Herbicides

CRM Cat. #1375	PT Cat. #1335
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One 2 mL flame-sealed ampule spiking concentrate and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample to be analyzed for the compounds listed below at 10-150 ng/L.

2,4-D	Isoproturon
AMPA	Linuron
Atrazine	MCPA
Bentazone	MCPB
Chlortoluron	Mecoprop
Diuron	Propazine
Glyphosate	Simazine

Herbicides

CRM Cat. #1376	PT Cat. #1336
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One 2 mL flame-sealed ampule spiking concentrate and one 24 mL screw-cap vial matrix concentrate makes up to 2 liters of sample to be analyzed for the compounds listed below at 10-150 ng/L.

2,4-DB	loxynil
Bromoxynil	Monuron
Dicamba	Propyzamide
Dichlorprop	Trichlopyr

