2024

Proficiency Testing Standards

- Environmental
- Cannabis & Hemp
- Food & Agriculture

ANAB ACCREDITED
PROFICIENCY TESTING PROVIDER
Certificate #: AP-1693-1

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NSI Lab Solutions

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Analytical Reference Materials by ZeptoMetrix

Table of Contents

Certified Accurate. Certified Homogeneous. Certified Stable. Every Analyte. Every Time.

PT samples have to be right. Your laboratory's accreditation is at stake, so anything less than 100% confidence is just not good enough.

That's why we bring over 25 years of multidisciplinary reference material manufacturing and certification experience into every step of our process. And that's why our analytical validation specifications are more stringent than the current TNI standards.

We start by certifying the purity of analyte source materials and then correcting sample assigned values for this certified purity. This correction increases the certainty of the assigned value.

We document the accuracy of each formulation and the homogeneity of each batch by instrumental analyses of each analyte in each of the samples taken from the production run. No sample is ever released into a PT study unless the results of this analytical process meet our acceptance limits, limits more stringent by 30% than the current TNI standards.

We close the PT study by documenting the stability of every analyte in every sample. This is your assurance that the sample was still right when your lab analyzed it. We are a TNI approved PT provider holding the following accreditations: ISO 17034, ISO 17025, ISO 17043, and ISO 9001.

Exceptional Value with Zero Defects

Sure, this QA process is intensive, but it works. In the years since PT privatization:

- We have never issued a PT report to a customer or accrediting agency containing inaccurately entered, reported, or assigned values.
- We have never released a PT sample into a study with an inaccurate assigned value.

That's our track record, and we provide this performance at an exceptional value. All NPW and WS quantitative PT samples are always supplied in duplicate for prices comparable to other industry providers' single-sample pricing.

PT Datalink

Much More Than Online Data Entry

- Simplified online data entry and modification screens.
- Drop-down screens for TNI method and technology codes.
- Download your PT reports as .pdf files.
- Monitor, sort, and review your PT results over time by methods and analytes in each FOT.
- Electronically report results to accrediting authorities.
- Direct upload of PT results from your LIMS.
- Analyte statistical summaries for each study.

PT Reports

As Many As You Need! When You Need Them!

Have PT reports sent to as many accrediting authorities as you need without being "nickeled and dimed." We do not charge for multiple reports.

Make PT planning easier by accessing preliminary results online within 24 hours of the study close.

Rest assured your reports will be delivered to your accrediting authority securely and on time. We use only overnight express service to provide PT results to your accrediting authority. This provides traceability and proof your reports were delivered on time!

PT Express

Maybe you need to demonstrate corrective action to your accrediting authority as a result of a poor result on a formal PT sample. Maybe you need to demonstrate proficiency for an initial accreditation. Perhaps you want to demonstrate the proficiency of an analyst so you can assign him or her to new, important projects.

Whatever your reasons, when you need PT results NOW, look to NSI Lab Solutions PT Express℠ to meet your needs.

To participate, simply call NSI Lab Solutions at 1-800-234-7837 to place your order. We'll review our records to assure the sample you receive has never been received by your lab or one of your network labs (a TNI requirement). If required, we can ship your samples the same day by overnight priority service so that you'll have them the next morning. Just like our regularly scheduled PT studies, now all quantitative PT Express samples are supplied in duplicate.

Report your results back to us on the PT Express℠ reporting forms that accompany your samples, or submit them online, and we'll generate your PT report within 48 hours. We will also submit your PT report to one or multiple accreditation agencies at no additional charge.

Custom PT/QC Materials

When one size doesn't fit all...

Let's face it. The TNI analyte list and concentration ranges are pretty narrow. So, if you need something you can't find in our catalog, call us and we'll work with you to design a solution.

Custom formulation represents a significant part of our business. We do it very well, and we do it very fast. We always quote your requests within 24 hours, and depending on the complexity of the project, turnaround times can be less than 48 hours.

Using the same expert craftsmanship and attention to detail used in manufacturing our line of stock products, we will draw on our inventory of over 2000 chemicals to formulate a product just for you. To request a quote, call us at 1-800-234-7837 or fill out the form on page 42 and email it to nsilabsolutions@antylia.com.

Custom Product Requests

www.spex.com/Product/CustomStandards

ENVIRONMENTAL PROFICIENCY TESTING

NPW Organics Proficiency Testing Studies (Available: January, April, July, October)

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

Our studies include all analytes required by the TNI NPW fields of testing. Provided in duplicate, each ampule produces at least one liter of sample (with the exception of VOC's).

NPW – Volatiles

A 1.5 mL concentrate in Methanol for use with Methods 601/602, 8010/8020, 624, 8240, and 8260. The sample design will satisfy PT requirements for any of the following analytes:

1,1-Dichloroethane	10-150 µg/L
1,1-Dichloroethene	10-150 µg/L
1,1,1-Trichloroethane	10-100 µg/L
1,1,1,2-Tetrachloroethane	15-150 µg/L
1,1,2-Trichloroethane	15-150 µg/L
1,1,2,2-Tetrachloroethane	15-150 µg/L
1,2-Dibromo-3-chloropropane	15-150 µg/L
1,2-Dichlorobenzene	10-120 µg/L
1,2-Dichloroethane	15-150 µg/L
1,2-Dichloropropane	10-150 µg/L
1,2,3-Trichlorobenzene	15-150 µg/L
1,2,3-Trichloropropane	15-150 µg/L
1,2,4-Trichlorobenzene	15-150 µg/L
1,2,4-Trimethylbenzene	10-120 µg/L
1,3,5-Trimethylbenzene	10-120 µg/L
1,3-Dichlorobenzene	10-120 µg/L
1,4-Dichlorobenzene	10-120 µg/L
1,4-Dioxane	20-500 µg/L
2-Butanone	5-500 µg/L
2-Chloroethyl vinyl ether	5-500 µg/L
2-Hexanone	20-200 µg/L
4-Methyl-2-pentanone	20-200 µg/L
Acetone	20-200 µg/L
Acetonitrile	5-500 µg/L
Acrolein	5-500 µg/L
Acrylonitrile	5-500 µg/L
Benzene	10-120 µg/L
Bromodichloromethane	10-100 µg/L
Bromoform	10-100 µg/L
Bromomethane	20-120 µg/L
Carbon disulfide	5-500 µg/L
Carbon tetrachloride	15-150 µg/L
Chlorobenzene	10-120 µg/L
Chloroethane	20-120 µg/L
Chloroform	10-100 µg/L
Chloromethane	20-120 µg/L
cis-1,2-Dichloroethene	10-150 µg/L
cis-1,3-Dichloropropene	10-120 µg/L
Dibromochloromethane	10-100 µg/L
Dibromomethane	10-120 µg/L
Dichlorodifluoromethane	20-100 µg/L
Ethylbenzene	10-120 µg/L
Ethylene dibromide	10-120 µg/L
Methyl acetate	5-500 µg/L
Methyl cyclohexane	20-100 µg/L
Methylene chloride	10-120 µg/L
m+p-Xylene	10-150 µg/L
MTBE	15-150 µg/L
Naphthalene	15-150 µg/L
n-Hexane	10-150 µg/L
o-Xylene	10-150 µg/L
Styrene	20-120 µg/L
Tetrachloroethene	10-150 µg/L
Toluene	10-120 µg/L
Total Xylenes	20-300 µg/L
trans-1,2-Dichloroethene	10-120 µg/L
trans-1,3-Dichloropropene	10-120 µg/L
Trichloroethene	10-100 µg/L
Trichlorofluoromethane	20-120 µg/L
Vinyl acetate	5-500 µg/L
Vinyl chloride	20-120 µg/L

Part Number
PEO-120
QCO-120 QC Known

NPW – PCB in Water

A 1.5 mL concentrate in Acetone for use with Methods 608/8080/8081.

Aroclor 1016	2.0-10 µg/L
Aroclor 1221	2.0-10 µg/L
Aroclor 1232	2.0-10 µg/L
Aroclor 1242	2.0-10 µg/L
Aroclor 1248	2.0-10 µg/L
Aroclor 1254	2.0-10 µg/L
Aroclor 1260	2.0-10 µg/L
Aroclor 1262	2.0-10 µg/L
Aroclor 1268	2.0-10 µg/L

Part Number
PEO-020
QCO-020 QC Known

NPW Organics Proficiency Testing Studies (Available: January, April, July, October)

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

NPW – Base/Neutrals

A 1.5 mL concentrate for use with Methods 625/8270. The sample design will satisfy PT requirements for any of the following analytes:

1,1-Biphenyl	30-200 µg/L	Anthracene	10-200 µg/L	Isodrin	20-200 µg/L
1,2,4,5-Tetrachlorobenzene	20-200 µg/L	Atrazine	30-200 µg/L	Isophorone	20-200 µg/L
1,2,4-Trichlorobenzene	20-200 µg/L	Benzaldehyde	30-200 µg/L	Isosafrole	20-200 µg/L
1,2-Dichlorobenzene	20-200 µg/L	Benzidine	200-1000 µg/L	Kepone	20-200 µg/L
1,2-Diphenylhydrazine	30-200 µg/L	Benzo(a)anthracene	10-200 µg/L	m-Dinitrobenzene	10-200 µg/L
1,3,5-Trinitrobenzene	20-200 µg/L	Benzo(a)pyrene	10-200 µg/L	Methapyrilene	20-200 µg/L
1,3-Dichlorobenzene	20-200 µg/L	Benzo(b)fluoranthene	20-200 µg/L	Methyl methanesulfonate	10-200 µg/L
1,3-Dinitrobenzene	20-200 µg/L	Benzo(g,h,i)perylene	10-200 µg/L	Methyl parathion	20-200 µg/L
1,4-Dichlorobenzene	20-200 µg/L	Benzo(k)fluoranthene	20-200 µg/L	n-Decane	20-200 µg/L
1,4-Dioxane	20-200 µg/L	Benzyl alcohol	30-200 µg/L	N-Nitroso-di-n-butylamine	20-200 µg/L
1,4-Naphthoquinone	20-200 µg/L	Benzyl butyl phthalate	50-200 µg/L	N-Nitroso-di-n-propylamine	30-200 µg/L
1-Chloronaphthalene	20-200 µg/L	bis(2-Chloroethoxy)methane	20-200 µg/L	N-Nitrosodiethylamine	20-200 µg/L
1-Methylnaphthalene	30-200 µg/L	bis(2-Chloroethyl)ether	20-200 µg/L	N-Nitrosodimethylamine	75-200 µg/L
1-Naphthylamine	20-200 µg/L	2,2'-Oxybis(1-Chloropropane)		N-Nitrosodiphenylamine	30-200 µg/L
2,3-Dichloroaniline	20-200 µg/L	bis(2-Ethylhexyl)phthalate	20-200 µg/L	N-Nitrosomorpholine	20-200 µg/L
2,4-Dinitrotoluene	20-200 µg/L	Caprolactam	30-200 µg/L	N-Nitrosopiperidine	20-200 µg/L
2,6-Dinitrotoluene	20-200 µg/L	Carbazole	20-200 µg/L	N-Nitrosopyrrolidine	20-200 µg/L
2-Acetylaminofluorene	20-200 µg/L	Chlorobenzilate	20-200 µg/L	n-Octadecane	20-200 µg/L
2-Chloronaphthalene	20-200 µg/L	Chrysene	10-200 µg/L	Naphthalene	20-200 µg/L
2-Methylcholanthrene	10-200 µg/L	Di-n-butyl phthalate	40-200 µg/L	Nitrobenzene	20-200 µg/L
2-Methylnaphthalene	20-200 µg/L	Di-n-octyl phthalate	30-200 µg/L	o,o,o-Triethylphoshorothioate	20-200 µg/L
2-Naphthylamine	20-200 µg/L	Diallate	20-200 µg/L	o-Dinitrobenzene	10-200 µg/L
2-Nitroaniline	10-200 µg/L	Dibenz(a,h)anthracene	20-200 µg/L	o-Toluidine	20-200 µg/L
2-Picoline	20-200 µg/L	Dibenzofuran	30-200 µg/L	p-Dimethylaminoazobenzene	20-200 µg/L
3,3-Dimethylbenzidine	20-200 µg/L	Diethyl phthalate	50-200 µg/L	p-Dinitrobenzene	10-200 µg/L
3,3'-Dichlorobenzidine	50-200 µg/L	Dimethoate	20-200 µg/L	p-Phenylenediamine	20-200 µg/L
3-Methylcholanthrene	20-200 µg/L	Dimethyl phthalate	50-200 µg/L	Parathion	20-200 µg/L
3-Nitroaniline	30-200 µg/L	Dinoseb	20-200 µg/L	Pentachlorobenzene	20-200 µg/L
4-Aminobiphenyl	20-200 µg/L	Diphenyl ether	20-200 µg/L	Pentachlorohexane	20-200 µg/L
4-Bromophenyl phenyl ether	20-200 µg/L	Disulfoton	20-200 µg/L	Pentachloronitrobenzene	20-200 µg/L
4-Chloroaniline	10-200 µg/L	Ethyl methanesulfonate	30-200 µg/L	Phenacetin	20-200 µg/L
4-Chlorophenyl phenyl ether	20-200 µg/L	Famphur	20-200 µg/L	Phenanthrene	10-200 µg/L
4-Nitroaniline	10-200 µg/L	Fluoranthene	30-200 µg/L	Phorate	20-200 µg/L
4-Nitroquineoline-1-oxide	20-200 µg/L	Fluorene	10-200 µg/L	Pronamide	20-200 µg/L
5-Nitro-o-toluidine	20-200 µg/L	Hexachlorobenzene	20-200 µg/L	Pyrene	10-200 µg/L
7,12-Dimethylbenz(a)anthracene	20-200 µg/L	Hexachlorobutadiene	50-200 µg/L	Pyridine	10-200 µg/L
a,a-Dimethylphenylamine	20-200 µg/L	Hexachlorocyclopentadiene	50-200 µg/L	Safrole	20-200 µg/L
Acenaphthene	10-200 µg/L	Hexachloroethane	50-200 µg/L	Sulfotepp	20-200 µg/L
Acenaphthylene	10-200 µg/L	Hexachlorophene	20-200 µg/L	Thionazin	20-200 µg/L
Acetophenone	20-200 µg/L	Hexachloropropene	20-200 µg/L		
Aniline	30-200 µg/L	Indeno(1,2,3-c,d)pyrene	30-200 µg/L		

Part Number
PEO-121
QCO-121 QC Known

NPW Organics Proficiency Testing Studies (Available: January, April, July, October)

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

NPW - Acids

A 1.5 mL concentrate in Acetone for use with Methods 604/8040/8041 or 625/8270. The sample design will satisfy PT requirements for any of the following analytes:

2-Chlorophenol	30-200 µg/L
2-Cyclohexyl-4,6-dinitrophenol	50-200 µg/L
2-Methyl-4,6-dinitrophenol	40-200 µg/L
2-Methylphenol	40-200 µg/L
2-Nitrophenol	50-200 µg/L
2,3,4,5-Tetrachlorophenol	50-200 µg/L
2,3,4,6-Tetrachlorophenol	50-200 µg/L
2,4-Dichlorophenol	30-200 µg/L
2,4-Dimethylphenol	40-200 µg/L
2,4-Dinitrophenol	100-200 µg/L
2,4,5-Trichlorophenol	30-200 µg/L
2,4,6-Trichlorophenol	30-200 µg/L
2,6-Dichlorophenol	30-200 µg/L
4-Chloro-3-methylphenol	30-200 µg/L
4-Methylphenol	50-200 µg/L
4-Nitrophenol	100-200 µg/L
Benzoic acid	50-200 µg/L
Pentachlorophenol	40-200 µg/L
Phenol	100-200 µg/L

Part Number
PEO-022
QCO-022 QC Known

NPW - OP Pesticides

A 1.5 mL concentrate in Acetone for determination of:

Azinphos-methyl (Guthion)	3.6-13.8 µg/L
Bolstar	2.0-20 µg/L
Chlorpyrifos	2.0-20 µg/L
Demeton-o	2.0-20 µg/L
Demeton-s	2.0-20 µg/L
Diazinon	2.0-15 µg/L
Dichlofenthion	2.0-20 µg/L
Dichlorvos	2.0-20 µg/L
Disulfoton	2.0-15 µg/L
Ethion	2.0-20 µg/L
Ethoprop	2.0-20 µg/L
Malathion	2.0-20 µg/L
Parathion, ethyl	3.0-20 µg/L
Stirophos	2.0-20 µg/L
Tokuthion	2.0-20 µg/L
Trichloronate	2.0-20 µg/L

NOTE: This sample is not listed in the TNI NPW Field of Testing.

Part Number
PEO-100
QCO-100 QC Known

NPW - Organochlorine Pesticides

A 1.5 mL concentrate in Ethyl Acetate for use with Methods 608/8080/8081. Each sample contains at least 80% of the following:

Aldrin	1.0-15 µg/L
alpha-BHC	2.0-20 µg/L
alpha-Chlordane	1.0-10 µg/L
beta-BHC	2.0-20 µg/L
gamma-BHC	2.0-20 µg/L
gamma-Chlordane	1.0-10 µg/L
delta-BHC	2.0-20 µg/L
4,4'-DDD	2.0-10 µg/L
4,4'-DDT	1.0-10 µg/L
4,4'-DDE	1.0-10 µg/L
Dieldrin	1.0-15 µg/L
Endosulfan I	4.0-20 µg/L
Endosulfan II	4.0-20 µg/L
Endosulfan sulfate	4.0-20 µg/L
Endrin	2.0-20 µg/L
Endrin ketone	4.0-20 µg/L
Endrin aldehyde	4.0-20 µg/L
Heptachlor	1.0-10 µg/L
Heptachlor epoxide (B)	1.0-10 µg/L
Isodrin	2.0-20 µg/L
Kepone	2.0-20 µg/L
Methoxychlor	2.0-20 µg/L

Part Number
PEO-122
QCO-122 QC Known

NPW – Herbicides

A 1.5 mL concentrate in MTBE for determination of Dicamba, 2,4-D, 2,4,5-T, Silvex, 2,4-DB, Dalapon, Dichloroprop, Dinoseb, MCPA, MCPP, and Pentachlorophenol. Formulated in the TNI range of 2.00-10.0 µg/L.

Part Number
PEO-094
QCO-094 QC Known

NPW – Chlordane (Total)

A 1.5 mL concentrate in Acetone for use with Methods 608/8080/8081. Formulated in the TNI range of 3.00-25.0 µg/L.

Part Number
PEO-024-2
QCO-024-2 QC Known

NPW Organics Proficiency Testing Studies (Available: January, April, July, October)

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

NPW - Low Level PAHs

A 1.5 mL concentrate in Acetonitrile for determination of PAHs by Methods 610 or 8310. The sample will contain at least 80% of the analytes drawn from the following list:

1-Methylnaphthalene	2-20 µg/L
2-Methylnaphthalene	2-20 µg/L
Acenaphthene	2-20 µg/L
Acenaphthylene	2-20 µg/L
Anthracene	0.5-5 µg/L
Benzo(a)anthracene	0.5-5 µg/L
Benzo(b)fluoranthene	0.5-5 µg/L
Benzo(k)fluoranthene	0.5-5 µg/L
Benzo(g,h,i)perylene	0.5-5 µg/L
Benzo(a)pyrene	0.5-5 µg/L
Chrysene	0.5-5 µg/L
Dibenzo(a,h)anthracene	0.5-5 µg/L
Fluoranthene	0.5-5 µg/L
Fluorene	2-10 µg/L
Indeno(1,2,3-c,d)pyrene	0.5-5 µg/L
Naphthalene	2-10 µg/L
Phenanthrene	0.5-5 µg/L
Pyrene	0.5-5 µg/L

Part Number
PEO-135
QCO-135 QC Known

NPW - Nitroaromatics/Nitramines in Water

A 1.5 mL concentrate in Acetonitrile for determination of explosive residues in water. The sample contains at least 80% of the following analytes formulated in the range of 1.0-20.0 µg/L.

1,3-Dinitrobenzene	4-Amino-2,6-dinitrotoluene
1,3,5-Trinitrobenzene	4-Nitrotoluene
2-Amino-4,6-dinitrotoluene	HMX
2-Nitrotoluene	Nitrobenzene
2,4-Dinitrotoluene	Nitroglycerin
2,4,6-Trinitrotoluene	Nitroguanidine
2,6-Dinitrotoluene	PETN
3-Nitrotoluene	RDX
3,5 Dichloroaniline	Tetryl

NOTE: This sample is not listed in the TNI NPW Field of Testing.

Part Number
PEO-136
QCO-136 QC Known

NPW - PCBs in Oil

A 2 x 2 g set in Transformer Oil for determination of:

Aroclor 1016	17-50 mg/kg
Aroclor 1242	17-50 mg/kg
Aroclor 1254	16-50 mg/kg
Aroclor 1260	12-50 mg/kg

NOTE: This sample is not listed in the TNI NPW Field of Testing.

Part Number
PEO-072
QCO-072 QC Known

NPW - BTEX by PID

A 1.5 mL concentrate in Methanol for determination of:

Benzene	10-120 µg/L
Ethylbenzene	10-120 µg/L
Toluene	10-120 µg/L
m+p-Xylene	10-150 µg/L
o-Xylene	10-150 µg/L
Total Xylenes	20-300 µg/L
MTBE	15-150 µg/L
Naphthalene	15-150 µg/L

Part Number
PEO-150
QCO-150 QC Known

NPW – Toxaphene

A 1.5 mL concentrate in Acetone for determination of Toxaphene. Formulated in the TNI range of 20-100 µg/L.

Part Number
PEO-093
QCO-093 QC Known

NPW – Low Level Halocarbons

A 1.5 mL concentrate in P/T Methanol for determination of 1,2-Dibromoethane (EDB) 1,2-Dibromo-3-chloropropane (DBCP), and 1,2,3-Trichloropropane. Formulated in the TNI range of 0.2-2.0 µg/L.

Part Number
PEO-103
QCO-103 QC Known

NPW Organics Proficiency Testing Studies (Available: January, April, July, October)

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

NPW - Supplemental Volatiles

A 1.5 mL concentrate in Methanol for determination of Supplemental Volatiles. This sample will contain a subset of analytes from the following list:

1-Chlorohexane	10-200 µg/L
1,1-Dichloropropene	10-200 µg/L
1,1,1,2-Tetrachloroethane	10-200 µg/L
1,1,2-Trichloro-1,2,2-trifluoroethane	10-200 µg/L
1,2-Dibromo-3-chloropropane	10-200 µg/L
1,2-Dibromoethane	10-200 µg/L
1,2,3-Trichlorobenzene	10-200 µg/L
1,2,3-Trichloropropane	10-200 µg/L
1,2,4-Trimethylbenzene	10-200 µg/L
1,3-Dichloropropane	10-200 µg/L
1,3,5-Trichlorobenzene	10-200 µg/L
1,3,5-Trimethylbenzene	10-200 µg/L
1,4-Dioxane	10-1000 µg/L
2-Chlorotoluene	10-200 µg/L
2,2-Dichloropropane	10-200 µg/L
3,3-Dimethyl-1-butanol	5-500 µg/L
4-Chlorotoluene	10-200 µg/L
Allyl chloride	10-200 µg/L
Bromobenzene	10-200 µg/L
Bromochloromethane	10-200 µg/L
Chloroprene	10-200 µg/L
Cyclohexanone	10-200 µg/L
cis-1,4-Dichloro-2-butene	10-200 µg/L
Diethyl ether	5-500 µg/L
Diisopropyl ether	5-200 µg/L
Ethanol	500-5000 µg/L
Ethyl methacrylate	10-200 µg/L
Ethyl-tert-butyl ether	5-200 µg/L
Hexachlorobutadiene	10-200 µg/L
Iodomethane	10-200 µg/L
Isobutyl alcohol	10-1000 µg/L
Isopropylbenzene	10-200 µg/L
Methacrylonitrile	10-200 µg/L
Methyl methacrylate	10-200 µg/L
n-Butylbenzene	10-200 µg/L
n-Hexane	10-200 µg/L
n-Propylbenzene	10-200 µg/L
p-Isopropyltoluene	10-200 µg/L
Pentachloroethane	10-200 µg/L
Propionitrile	10-200 µg/L
sec-Butylbenzene	10-200 µg/L
t-Amyl alcohol	5-500 µg/L
t-Amyl methyl ether	5-500 µg/L
t-Butyl alcohol	5-500 µg/L
t-Butyl formate	50-500 µg/L
tert-Butylbenzene	10-200 µg/L
Tetrahydrofuran	20-200 µg/L
trans-1,4-Dichloro-2-butene	10-200 µg/L

Part Number
PEO-119
QCO-119 QC Known

NOTE: This sample is not listed in the TNI NPW Field of Testing.

NPW - Diesel Range Organics (DRO)

A 1.5 mL concentrate in Methanol for determination of DRO. Formulated in the TNI range of 800-6000 µg/L.

Part Number
PEO-101
QCO-101 QC Known

NPW - Gasoline Range Organics (GRO)

A 1.5 mL concentrate in Methanol for determination of GRO. Formulated in the TNI range of 400-4000 µg/L.

Part Number
PEO-102
QCO-102 QC Known

NPW – Alcohols in Water

A 1.5 mL concentrate in Water for determination of the analytes below. Formulated in the range of 1.0-200 mg/L. Each ampule produces 500 mL of sample.

1-Butanol	Allyl alcohol
1-Pentanol	Ethyl alcohol
1-Propanol	Isobutanol
2-Butanol	Isopropyl alcohol
tert-Butanol	Methanol

Part Number
PEO-104
QCO-104 QC Known

NPW Organics Proficiency Testing Studies (Available: January, April, July, October)

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

EPA Organics Set

NPW-Volatiles	NPW-PCB in Water
NPW-Base/Neutrals	NPW-Acids
NPW-Pesticides	NPW-Chlordane
NPW-Toxaphene	NPW-Herbicides

Part Number		
PEO-025K		Semi-Annually One-Time Set
QCO-025K	QC Known	Semi-Annually One-Time Set

Full Organics Set

NPW-Volatiles	NPW-PCB in Water
NPW-Base/Neutrals	NPW-Acids
NPW-Pesticides	NPW-Chlordane
NPW-Nitroaromatics/Nitramines	NPW-Toxaphene
NPW-Herbicides	NPW-GRO
NPW-DRO	NPW-OP Pesticides
NPW-Low Level PAHs	

Part Number		
PEO-062K		Semi-Annually One-Time Set
QCO-062K	QC Known	Semi-Annually One-Time Set

2024 NPW Study Schedule

Study Number	Study Opens	Study Closes
WP-297*	Jan. 16	Feb. 29
WP-298	March 11	April 24
WP-299*	April 16	May 30
WP-300	May 7	June 20
WP-301*	July 16	Aug. 29
WP-302	Aug. 6	Sept. 19
WP-303*	Oct. 8	Nov. 21
WP-304	Nov. 5	Dec. 19

** Denotes Full Organic & Inorganic PT Studies. The others are Inorganic Only PT Studies.*

NPW Inorganics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

NPW - Demand

A 21 mL concentrate for determination of Demand. Each ampule produces 2 liters of sample.

TOC	6-100 mg/L
COD	30-250 mg/L
BOD	18-230 mg/L
CBOD	18-230 mg/L

Part Number
PEI-026
QCI-026 QC Known

NPW - Minerals

A 500 mL ready-to-use sample packaged in a HDPE bottle to be analyzed for:

Potassium	4.0-40 mg/L
Sodium	10-100 mg/L
Chloride	35-275 mg/L
Sulfate	5.0-125 mg/L
Fluoride	0.4-4 mg/L
TDS at 180oC	140-800 mg/L
Conductivity	200-1200 umhos/cm
Alkalinity	25-400 mg/L

Part Number
PEI-136
QCI-136 QC Known

NPW - Hardness

A 250 mL ready-to-use sample packaged in a HDPE bottle to be analyzed for:

Calcium	10-100 mg/L
Magnesium	4.0-40 mg/L
Total Hardness	40-415 mg/L
Calcium Hardness	25-250 mg/L

Part Number
PEI-137
QCI-137 QC Known

NPW - Total Residual Chlorine

A 2.2 mL concentrate for determination of Total Residual Chlorine. Formulated in the TNI range of 0.5-3.0 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-033
QCI-033 QC Known

NPW - Simple Nutrients

A 21 mL concentrate to be analyzed for Simple Nutrients. Each ampule produces 2 liters of sample.

Ammonia as N	1.0-20 mg/L
Orthophosphate as P	0.5-5.5 mg/L
Nitrate as N	2.0-25 mg/L
Nitrate/Nitrite-N	2.5-25 mg/L

Part Number
PEI-138
QCI-138 QC Known

NPW - Complex Nutrients

A 21 mL concentrate to be analyzed for Complex Nutrients. Each ampule produces 2 liters of sample.

TKN	3.0-35 mg/L
Total Phosphorus	0.5-10 mg/L

Part Number
PEI-139
QCI-139 QC Known

NPW - Oil and Grease

A 3.2 mL concentrate for determination of Oil and Grease. Formulated in the TNI range of 20-200 mg/L. Each ampule produces 3 liters of sample.

Part Number
PEI-029
QCI-029 QC Known

NPW - Amenable and Total Cyanide

A 21 mL concentrate for determination of Amenable Cyanide and Total Cyanide. Formulated in the TNI range of 0.1-1 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-031
QCI-031 QC Known

NPW - Total Phenolics

A 5.0 mL concentrate for determination of Total Phenolics. Formulated in the TNI range of 0.5-5 mg/L. Each ampule produces 5 liters of sample.

Part Number
PEI-032
QCI-032 QC Known

NPW Inorganics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

NPW - Trace Metals

A 2 x 21 mL amber vial set for analysis of the following elements. Each ampule produces 2 liters of sample.

Aluminum	200-4000 µg/L	Lithium	50-500 µg/
Antimony	90-900 µg/L	Manganese	200-2000 µg/L
Arsenic	90-900 µg/L	Molybdenum	60-600 µg/L
Barium	100-2500 µg/L	Nickel	200-2000 µg/L
Beryllium	50-500 µg/L	Selenium	100-1000 µg/L
Boron	800-2000 µg/L	Silver	100-1000 µg/L
Cadmium	100-1000 µg/L	Strontium	50-500 µg/L
Chromium	100-1000 µg/L	Thallium	80-800 µg/L
Cobalt	100-1000 µg/L	Tin	200-2000 µg/L
Copper	100-1000 µg/L	Titanium	60-300 µg/L
Iron	200-4000 µg/L	Vanadium	50-2000 µg/L
Lead	100-1500 µg/L	Zinc	300-2000 µg/L

Part Number
PEI-034
QCI-034 QC Known

NPW - Mercury

A 21 mL concentrate for determination of Mercury. Formulated in the TNI range of 3.0-30 µg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-087
QCI-087 QC Known

NPW - Residue

A 500 mL ready-to-use whole volume sample to be analyzed for Total Suspended Solids in the TNI range of 20-100 mg/L and Total Solids formulated in the TNI range of 140-800 mg/L.

Part Number
PEI-079
QCI-079 QC Known

NPW - Turbidity

A 21 mL concentrate for determination of Turbidity in the TNI range of 2.0-30 NTU. Formazin based. Each container produces 2 liters of sample.

Part Number
PEI-092
QCI-092 QC Known

NPW - pH

A 250 mL whole volume sample to be analyzed for pH without dilution. Formulated in the TNI range of 5.0-10 units.

Part Number
PEI-035
QCI-035 QC Known

NPW - Hexavalent Chromium

A 10.5 mL concentrate for determination of Hexavalent Chromium. Formulated in the TNI range of 90-900 µg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-095
QCI-095 QC Known

NPW - Settleable Solids

A natural solid for quantitative transfer to a 1 liter Class A volumetric flask with dilution to 1 liter in reagent water. Formulated in the TNI range of 5.0-50 mL/L. Each vial produces 1 liter of sample.

Part Number
PEI-126
QCI-126 QC Known

NPW - Nitrite

A 21 mL concentrate for determination of Nitrite. Formulated in the TNI range of 0.4-4.0 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-100
QCI-100 QC Known

NPW - Bromide

A 21 mL concentrate for determination of Bromide. Formulated in the TNI range of 1.0-10 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-110
QCI-134 QC Known

NPW Inorganics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

NPW - Volatile Solids

A screw-cap vial containing a solid material for dilution to 1000 mL. Formulated in the TNI range of 100-500 mg/L. Each vial produces at least 1 liter of sample.

Part Number
PEI-127
QCI-127 QC Known

NPW - Sulfide

A 10.5 mL concentrate for determination of Sulfide. Formulated in the TNI range of 2.0-10 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-086
QCI-086 QC Known

NPW - Silica

A 21 mL concentrate for determination of Silica. Formulated in the TNI range of 50-250 mg/L. Each vial produces 2 liters of sample.

Part Number
PEI-101
QCI-101 QC Known

NPW - MBAs

A 10.5 mL concentrate for determination of MBAs. Formulated in the TNI range of 0.2-1.0 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-124
QCI-124 QC Known

NPW - Acidity

A 100 mL sample for determination of Acidity. Formulated in the TNI range of 650-1800 mg/L.

Part Number
PEI-099
QCI-099 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW - TOX

A 5.5 mL concentrate in Methanol for determination of TOX. Formulated in the range of 300-1500 µg/L. Each ampule produces 3 liters of sample.

Part Number
PEI-104
QCI-104 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW - Color

A 100 mL whole-volume sample for determination of Color. Formulated in the TNI range of 10-75 CU.

Part Number
PEI-130
QCI-130 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW - Ignitability

A 110 mL sample for Ignitability in the range of 100-200o F. Ground Shipping Only. Not supplied in duplicate.

Part Number
PEI-191
QCI-191 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW - Dissolved Oxygen

A 125 mL ready-to-use bottle for determination of Dissolved Oxygen in the range of 0-20 mg/L.

Part Number
PEI-192
QCI-192 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW - Salinity

A 250 mL whole volume sample for determination of Salinity. Formulated using dissolved ionic salts above 50 salinity.

Part Number
PEI-198
QCI-198 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW - FOGs by IR

A 250 mL ready-to-use sample for determination of Fats, Oils and Grease. Formulated in the range of 20–200 mg/L.

Part Number
PEI-199
QCI-199 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW Inorganics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

NPW – Perchlorate

A 5.0 mL concentrate for determination of Perchlorate. Formulated in the range of 4.0-20 µg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-146
QCI-146 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW - SGT - HEM (TPH)

A 5 mL sample for dilution to 1000 mL. Can be used for IR Methods as well as Gravimetric Methods. Formulated in the NELAC range of 20-200 mg/L. Each ampule produces 1 liter of sample.

Part Number
PEI-129
QCI-129 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW - Low-Level Total Residual Chlorine

A single sample for determination of Low-Level Total Residual Chlorine in the range of 50-250 µg/L.

Part Number
PEI-096
QCI-096 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW - Trace Level Mercury

Sample contains both organic and inorganic mercury in the range of 20-100 ng/L. Provided as a 5 mL concentrate for dilution to 1000 mL.

Part Number
PEO-137
QCO-137 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

NPW - Uranium

A 21 mL concentrate for determination of uranium. Formulated in the range of 3.0-104 µg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-180
QCI-190 QC Known

NOTE: Available in studies WP-297, WP-299, WP-301, WP-303

Full NELAC Inorganics Set

Demand	Oil and Grease	Trace Metals
Minerals	Bromide	Volatile Solids
Residue	Total Cyanide	Mercury
Hardness	MBAs	Sulfide
Simple Nutrients	Total Phenolics	pH
Nitrite	Hexavalent Chromium	Silica
Total Residual Chlorine	Turbidity	Complex Nutrients
Settleable Solids		

Part Number

PEI-035K		Semi-Annually One-Time Set
QCI-036K	QC Known	Semi-Annually One-Time Set

EPA Inorganics NPW Set

Demand	Trace Metals	Oil and Grease
Total Phenolics	Simple Nutrients	Residue
Minerals	Mercury	Total Cyanide
Total Residual Chlorine	Complex Nutrients	Hexavalent Chromium
Hardness	pH	

Part Number

PEI-037K		Semi-Annually One-Time Set
QCI-035K	QC Known	Semi-Annually One-Time Set

2024 NPW Study Schedule

Study Number	Study Opens	Study Closes
WP-297*	Jan. 16	Feb. 29
WP-298	March 11	April 24
WP-299*	April 16	May 30
WP-300	May 7	June 20
WP-301*	July 16	Aug. 29
WP-302	Aug. 6	Sept. 19
WP-303*	Oct. 8	Nov. 21
WP-304	Nov. 5	Dec. 19

** Denotes Full Organic & Inorganic PT Studies. The others are Inorganic Only PT Studies.*

Microbiological PT Standards

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

NPW - Coliforms/*E.coli*

Designed for use with all MPN and MF procedures. Sample supplied as a dehydrated pellet in the TNI range of 20-2400 CFU/MPN per 100 mL. Sterile hydration buffer included. Evaluated for Total Coliform, Fecal Coliform, and *E.coli*. Store in freezer.

Part Number
MIC-003
MIC-QC2 QC Known

NPW - Enterococcus/Fecal Strep

Designed for use with all MPN and MF procedures. Sample supplied as a dehydrated pellet in the TNI range of 20-1000 CFU/MPN per 100 mL. Sterile hydration buffer included. Store in freezer.

Part Number
MIC-004
MIC-QC5 QC Known

NPW - Standard Plate Count

One stabilized pellet containing a heterotrophic bacteria in the range of 5-500 CPU/MPN per mL. Sterile hydration buffer included. Store in freezer.

Part Number
MIC-010
MIC-QC15 QC Known

Quantitative Legionella PT

Designed for use with Legiolert™ or BCYE plate count methods. Sample supplied as a dehydrated pellet in the range of 20-2400 CFU/MPN per 100 mL. Supplied in duplicate for convenience with sterile hydration buffer.

Part Number
MIC-014
MIC-QC16 QC Known

NPW - Fecal Coliform in Sludge

A 1 gram lyophilized sludge sample containing fecal coliforms from 1x103 mpn/g to 1x106 mpn/g. Designed for use with EPA 1680/1681.

Part Number
MIC-015
MIC-QC17 QC Known

NOTE: Available in studies MP-201, MP-203, MP-204, MP-205

2024 NPW Microbiological Study Schedule

Study Number	Study Opens	Study Closes
MP-201	Jan. 8	Feb. 21
MP-202	March 5	April 18
MP-203	April 8	May 22
MP-204	July 10	Aug. 23
MP-205	Sept. 2	Oct. 16
MP-206	Oct. 22	Dec. 5

Dates are subject to change based on regulatory requirements.

NOTE: Overnight shipping and HAZMAT fees apply to each order and are prepaid and added to your invoice. All microbiological samples are shipped in a cold pack to maintain integrity.

Product Listings—Microbiological CRMs

Except where noted, standards are formulated at 1000-2000 CFU. Actual certified values are listed on an accompanying COA.

Single Organisms - High Level	10 Vials Catalog#/Price	20 Vials Catalog#/Price
P. aeruginosa (NCTC 12951)	10662-10	10662-20X
E. aerogenes (NCTC 10006)	10006-10	10006-20X
E. coli (NCTC 9001)	9001-10	9001-20X
Klebsiella spp (NCTC 8167)	8167-10	8167-20X
E. faecalis (NCTC 775) - High (1000-1500)	775H-10	775H-20X
HPC Control (5-500 per mL)	HPCQC-10	HPCQC-20X
L. pneumophila (NCTC 11192) – (100-2000)	11192-10	11192-20X

Except where noted, standards are formulated at < 200 CFU. Actual certified values are listed on an accompanying COA.

Single Organisms - Low Level	10 Vials Catalog#/Price	20 Vials Catalog#/Price
P. aeruginosa (NCTC 12951)	10662L-10	10662L-20X
E. aerogenes (NCTC 10006)	10006L-10	10006L-20X
E. coli (NCTC 9001)	9001L-10	9001L-20X
Klebsiella spp (NCTC 8167)	8167L-10	8167L-20X
E. faecalis (NCTC 775)	775L-10	775L-20X
S.bovis (NCTC 8177)	8177L-10	8177L-20X

Coliform QC Check Kit

4 Each of *E.coli*, E. aerogenes, and P. aeruginosa (1000-2000 CFU of each).

Part Number
COL-QCK 12 vials

Fecal Coliform in Sludge QC

A pack of 5 individual 1 gram vials of lyophilized sludge with fecal coliform set at 1E4 to 1E7 mpn/g.

Part Number
MIC-SLUDGE-5

Colilert®, Quanti-Tray®, Colilert-18®, and SimPlate® are registered trademarks of IDEXX Laboratories, Inc.

Universal Water Microbe Cocktail

QC all of your water microbiology assays with just a single flash dissolve lyophilized pellet. Each pellet can be used to QC the following microbiology analyses at the approximate levels shown after hydration to 100mL:

Total Coliform	~2400CFU/100mL
E. coli	~1000CFU/100mL
Fecal Coliform	~500CFU/100mL
P. aeruginosa	~1000CFU/100mL
Enterococci	~1000CFU/100mL
HPC	~5000CFU/100mL

Source organisms are no more than two passages from primary NCTC cultures. To use, dissolve a single pellet into 100mL of sterile DI water. Applicable for use with MTF, IDEXX and Plate Count methods

Part Number
MIC-UNV-10 10 pellets
MIC-UNV-20 20 pellets

DMRQA-44

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

Demand

A 21 mL concentrate for determination of Demand. Each ampule produces 2 liters of sample.

TOC	6-100 mg/L
COD	30-250 mg/L
BOD	18-230 mg/L
CBOD	18-230 mg/L

Part Number
PEI-026
QCI-026 QC Known

Hardness

A 250 mL ready-to-use sample packaged in a HDPE bottle to be analyzed for:

Calcium	10-100 mg/L
Magnesium	4.0-40 mg/L
Total Hardness	40-415 mg/L
Calcium Hardness	25-250 mg/L

Part Number
PEI-137
QCI-137 QC Known

Complex Nutrients

A 21 mL concentrate to be analyzed for Complex Nutrients. Each ampule produces 2 liters of sample.

TKN	3.0-35 mg/L
Total Phosphorus	0.5-10 mg/L

Part Number
PEI-139
QCI-139 QC Known

Amenable and Total Cyanide

A 21 mL concentrate for determination of Amenable Cyanide and Total Cyanide. Formulated in the TNI range of 0.1-1 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-031
QCI-031 QC Known

Minerals

A 500 mL ready-to-use sample packaged in a HDPE bottle to be analyzed for:

Potassium	4.0-40 mg/L
Sodium	10-100 mg/L
Chloride	35-275 mg/L
Sulfate	5.0-125 mg/L
Fluoride	0.4-4 mg/L
TDS at 180oC	140-800 mg/L
Conductivity	200-1200 umhos/cm
Alkalinity	25-400 mg/L

Part Number
PEI-136
QCI-136 QC Known

Simple Nutrients

A 21 mL concentrate to be analyzed for Simple Nutrients. Each ampule produces 2 liters of sample.

Ammonia as N	1.0-20 mg/L
Orthophosphate as P	0.5-5.5 mg/L
Nitrate as N	2.0-25 mg/L
Nitrate/Nitrite-N	2.5-25 mg/L

Part Number
PEI-138
QCI-138 QC Known

Oil and Grease

A 3.2 mL concentrate for determination of Oil and Grease. Formulated in the TNI range of 20-200 mg/L. Each ampule produces 3 liters of sample.

Part Number
PEI-029
QCI-029 QC Known

Total Phenolics

A 5.0 mL concentrate for determination of Total Phenolics. Formulated in the TNI range of 0.5-5 mg/L. Each ampule produces 3 liters of sample.

Part Number
PEI-032
QCI-032 QC Known

DMRQA-44

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

Coliforms / *E.coli*

Designed for use with all MPN and MF procedures. Sample supplied as a stabilized pellet in the TNI range of 20-2400 CFU/MPN per 100 mL. Sterile diluent included. Evaluated for Total Coliform, Fecal Coliform, and *E.coli*. Supplied in duplicate. Overnight shipping only.

Part Number
MIC-003
MIC-QC2 QC Known

Total Residual Chlorine

A 2.2 mL concentrate for determination of Total Residual Chlorine. Formulated in the TNI range of 0.5-3.0 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-033
QCI-033 QC Known

Trace Metals

A 2 x 21 mL amber vial set for analysis of the following elements. Each ampule produces 2 liters of sample.

Aluminum	200-4000 µg/L	Cobalt	100-1000 µg/L	Selenium	100-1000 µg/L
Antimony	90-900 µg/L	Copper	100-1000 µg/L	Silver	100-1000 µg/L
Arsenic	90-900 µg/L	Iron	200-4000 µg/L	Strontium	50-500 µg/L
Barium	100-2500 µg/L	Lead	100-1500 µg/L	Thallium	80-800 µg/L
Beryllium	50-500 µg/L	Lithium	50-500 µg/L	Tin	200-2000 µg/L
Boron	800-2000 µg/L	Manganese	200-2000 µg/L	Titanium	60-300 µg/L
Cadmium	100-1000 µg/L	Molybdenum	60-600 µg/L	Vanadium	50-2000 µg/L
Chromium	100-1000 µg/L	Nickel	200-2000 µg/L	Zinc	300-2000 µg/L

Part Number
PEI-034
QCI-034 QC Known

Residue

A 500 mL ready-to-use whole volume sample to be analyzed for Total Suspended Solids in the TNI range of 20-100 mg/L and Total Solids formulated in the TNI range of 140-800 mg/L.

Part Number
PEI-079
QCI-079 QC Known

pH

A 250 mL whole volume sample to be analyzed for pH without dilution. Formulated in the TNI range of 5.0-10 units.

Part Number
PEI-035
QCI-035 QC Known

Mercury

A 21 mL concentrate for determination of Mercury. Contains both organic and inorganic Mercury. Formulated in the TNI range of 3.0-30 µg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-087
QCI-087 QC Known

Hexavalent Chromium

A 10.5 mL concentrate for determination of Hexavalent Chromium. Formulated in the TNI range of 90-900 µg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-095
QCI-095 QC Known

DMRQA-44

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

Nitrite

A 21 mL concentrate for determination of Nitrite. Formulated in the TNI range of 0.4-4.0 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-100
QCI-100 QC Known

Settleable Solids

A natural solid for quantitative transfer to a 1 liter Class A volumetric flask with dilution to 1 liter in reagent water. Formulated in the TNI range of 5.0-50 mL/L. Each vial produces 1 liter of sample.

Part Number
PEI-126
QCI-126 QC Known

Turbidity

A 21 mL concentrate for determination of Turbidity in the TNI range of 2.0-30 NTU. Formazin based. Each container produces 2 liters of sample.

Part Number
PEI-092
QCI-092 QC Known

Trace Level Mercury

Sample contains both organic and inorganic Mercury in the range of 20-100 ng/L. Provided as a concentrate for dilution to 1000 mL.

Part Number
PEO-137
QCO-137 QC Known

Low-Level Total Residual Chlorine

A single sample for determination of Low-Level Total Residual Chlorine in the range of 50-250 µg/L.

Part Number
PEI-096
QCI-096 QC Known

Full DMRQA Set

Trace Metals	Residue
Mercury	Oil and Grease
Demand	Total Cyanide
Simple Nutrients	pH
Complex Nutrients	Total Phenolics
Total Residual Chlorine	

Part Number
PEI-082K
QCI-082K QC Known

DMRQA Set 1

Residue
pH
Total Residual Chlorine

Part Number
PEI-083K
QCI-083K QC Known

DMRQA Set 2

Residue
pH
Demand

Part Number
PEI-084K
QCI-084K QC Known

DMRQA Set 3

Residue	pH
Demand	Total Residual Chlorine

Part Number
PEI-085K
QCI-085K QC Known

DMRQA-44 Study Schedule

Study Number	Study Opens	Study Closes
DMRQA-44	TBA	TBA

** DMRQA-44 study schedule will be posted on the website when announced by the USEPA*

WS Organics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

Our studies include all analytes required by the TNI WS fields of testing. Provided in duplicate, each ampule produces at least 2 liters of sample.

WS - Carbamate Pesticides

A 1.5 mL concentrate in Methanol for use with Method 531.1. The sample design will satisfy PT requirements for the following analytes:

Aldicarb	15-100 µg/L	Baygon	30-140 µg/L
Aldicarb sulfone	15-100 µg/L	Carbaryl	15-100 µg/L
Aldicarb sulfoxide	15-80 µg/L	3-Hydroxy carbofuran	15-80 µg/L
Carbofuran	15-150 µg/L	Methiocarb	30-140 µg/L
Methomyl	15-100 µg/L	Oxamyl	15-100 µg/L

Part Number
PEO-001
QCO-001 QC Known

WS - Chlordane (Total)

A 1.5 mL concentrate in Acetone for use with Methods 505/508/525. Formulated in the TNI range of 2-20 µg/L.

Part Number
PEO-005-5
QCO-005-5 QC Known

WS - Toxaphene (Total)

A 1.5 mL concentrate in Acetone for use with Methods 505/508/525. Formulated in the TNI range of 2-20 µg/L.

Part Number
PEO-005-6
QCO-005-6 QC Known

WS - Chlorinated Acid Herbicides

A 1.5 mL concentrate in MTBE for determination of Herbicides. The sample design will satisfy PT requirements for the following analytes:

Acifluorfen	10-100 µg/L	Dichloroprop	10-100 µg/L
Bentazon	10-140 µg/L	Dinoseb	7-70 µg/L
Chloramben	20-100 µg/L	Dicamba	20-100 µg/L
2,4-D	10-100 µg/L	3,5-Dichlorobenzoic acid	10-100 µg/L
2,4-DB	20-120 µg/L	Pentachlorophenol	1-25 µg/L
DCPA	20-100 µg/L	Picloram	10-100 µg/L
Dalapon	10-100 µg/L	2,4,5-T	10-100 µg/L
2,4,5-TP	10-100 µg/L		

Part Number
PEO-123
QCO-123 QC Known

WS Organics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

WS - Organochlorine Pesticides

A 1.5 mL concentrate in Acetone set for use with Methods 505/507/508.

Aldrin	0.2-2.5 µg/L
Dieldrin	0.5-2.5 µg/L
Endrin	0.2-2.5 µg/L
Heptachlor	0.2-2.5 µg/L
Heptachlor epoxide (B)	0.2-2.5 µg/L
Hexachlorobenzene	0.5-5 µg/L
Hexachlorocyclopentadiene	2-20 µg/L
Lindane	0.2-2.5 µg/L
Methoxychlor	2-20 µg/L
Propachlor	1-10 µg/L
Trifluralin	1-10 µg/L

Part Number
PEO-005-12
QCO-005-12 QC Known

WS - Organonitrogen Pesticides

A 1.5 mL concentrate in Acetone set for use with Methods 505/507/508.

Alachlor	2-20 µg/L
Atrazine	2-20 µg/L
Simazine	2-20 µg/L

Part Number
PEO-005-3
QCO-005-3 QC Known

WS - Trihalomethanes

A 1.5 mL concentrate in P/T Methanol for use with Methods 501/502/524. Each sample contains:

Bromodichloromethane	5-50 µg/L
Bromoform	5-50 µg/L
Chloroform	5-50 µg/L
Dibromochloromethane	5-50 µg/L
Total Trihalomethanes	20-200 µg/L

Part Number
PEO-002
QCO-002 QC Known

WS - Regulated SOCs

A 2 x 1.5 mL set in Acetone for use with Methods 506/525/550. Each sample includes Benzo(a)pyrene — 0.2-2.5 µg/L, bis(2-Ethylhexyl)phthalate — 5-50 µg/L, bis(2-Ethylhexyl)adipate — 8-50 µg/L, plus a subset of analytes drawn from the following list:

Diethyl phthalate	10-50 µg/L
Butyl benzyl phthalate	10-50 µg/L
Dimethyl phthalate	10-50 µg/L
Di-n-butyl phthalate	10-50 µg/L
Di-n-octyl phthalate	10-50 µg/L
Acenaphthene	1-10 µg/L
Acenaphthylene	1-10 µg/L
Anthracene	1-10 µg/L
Benzo(a)anthracene	1-10 µg/L
Phenanthrene	1-10 µg/L
1-Methylnaphthalene	1-10 µg/L
Benzo(b)fluoranthene	1-10 µg/L
Benzo(k)fluoranthene	1-10 µg/L
Benzo(g,h,i)perylene	1-10 µg/L
Chrysene	1-10 µg/L
Dibenz(a,h)anthracene	1-10 µg/L
Fluoranthene	1-10 µg/L
Fluorene	1-10 µg/L
Indeno(1,2,3-c,d)pyrene	1-10 µg/L
Naphthalene	5-50 µg/L
Pyrene	1-10 µg/L
2-Methylnaphthalene	1-10 µg/L

Part Number
PEO-006
QCO-006 QC Known

WS Organics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

WS - Regulated VOCs

A 1.5 mL concentrate in Methanol for use with Methods 502.1/502.2/524.2. Each sample contains:

Benzene	2-20 µg/L	Styrene	2-20 µg/L
Carbon tetrachloride	2-20 µg/L	Tetrachloroethylene	2-20 µg/L
Chlorobenzene	2-20 µg/L	Toluene	2-20 µg/L
1,2-Dichlorobenzene	2-20 µg/L	1,1,1-Trichloroethane	2-20 µg/L
1.4-Dichlorobenzene	2-20 µg/L	1,1,2-Trichloroethane	2-20 µg/L
1,2-Dichloroethane	2-20 µg/L	Trichloroethylene	2-20 µg/L
1,1-Dichloroethylene	2-20 µg/L	1,2,4-Trichlorobenzene	2-20 µg/L
cis-1,2-Dichloroethylene	2-20 µg/L	Vinyl chloride	2-50 µg/L
trans-1,2-Dichloroethylene	2-20 µg/L	Total Xylenes	2-50 µg/L
Dichloromethane	2-20 µg/L	1,2-Dichloropropane	2-20 µg/L
Ethylbenzene	2-20 µg/L		

Part Number
PEO-007-12
QCO-007-12 QC Known

WS - Unregulated VOCs

A 1.5 mL concentrate in Methanol for use with Methods 502.1/502.2/524.2. Sample includes > 60% of analytes listed.

1,1-Dichloroethane	2-20 µg/L	Dibromomethane	2-20 µg/L
1,1-Dichloropropene	2-20 µg/L	1,3-Dichloropropane	2-20 µg/L
2,2-Dichloropropane	2-20 µg/L	1,1,1,2-Tetrachloroethane	2-20 µg/L
1,2,3-Trichloropropane	2-20 µg/L	1,1,2,2-Tetrachloroethane	2-20 µg/L
1,3-Dichlorobenzene	2-20 µg/L	Bromobenzene	2-20 µg/L
Chloromethane	5-50 µg/L	Bromomethane	5-50 µg/L
Chloroethane	5-50 µg/L	2-Chlorotoluene	2-20 µg/L
4-Chlorotoluene	2-20 µg/L	1,2,4-Trimethylbenzene	2-20 µg/L
n-Propylbenzene	2-20 µg/L	1,2,3-Trichlorobenzene	5-50 µg/L
n-Butylbenzene	2-20 µg/L	Hexachlorobutadiene	5-50 µg/L
4-Isopropyltoluene	2-20 µg/L	1,3,5-Trimethylbenzene	2-20 µg/L
Isopropylbenzene	2-20 µg/L	tert-Butylbenzene	2-20 µg/L
sec-Butylbenzene	2-20 µg/L	Trichlorofluoromethane	5-50 µg/L
Bromochloromethane	2-20 µg/L	Dichlorodifluoromethane	5-50 µg/L
cis-1,3-Dichloropropylene	2-20 µg/L	MTBE	5-50 µg/L
trans-1,3-Dichloropropylene	2-20 µg/L	Naphthalene	5-50 µg/L

Part Number
PEO-007-3
QCO-007-3 QC Known

WS Organics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

WS - PCBs

A 1.5 mL concentrate in Acetone for use with Methods 505/508. Report as Decachlorobiphenyl and/or the actual Aroclor. Contains one of the following Aroclors: 1016, 1221, 1232, 1242, 1248, 1254, 1260.

Part Number
PEO-003
QCO-003 QC Known

WS - EDB/DBCP/TCP

A 1.5 mL concentrate in P/T Methanol for use with Methods 504/551. Each sample contains:

1,2-Dibromo-3-chloropropane	0.100-2.00 µg/L
1,2-Dibromoethane (EDB)	0.050-2.00 µg/L
1,2,3-Trichloropropane	0.200-2.00 µg/L

Part Number
PEO-007-4
QCO-007-4 QC Known

WS - Diquat/Endothall/Glyphosate/Paraquat

A 5 mL concentrate for determination of:

Diquat	8-40.0 µg/L
Endothall	80-500 µg/L
Glyphosate	375-800 µg/L
Paraquat	8-100 µg/L

Part Number
PEO-097
QCO-097 QC Known

WS - Organic Disinfection By-Products

A 1.5 mL concentrate in MTBE for determination of:

Bromochloroacetic Acid	5-50 µg/L
Dibromoacetic Acid	5-50 µg/L
Dichloroacetic Acid	5-50 µg/L
Monobromoacetic Acid	5-50 µg/L
Monochloroacetic Acid	10-50 µg/L
Trichloroacetic Acid	5-50 µg/L

Part Number
PEO-098
QCO-098 QC Known

WS - Chloral Hydrate

A 1.5 mL concentrate in Acetonitrile for determination of Chloral Hydrate. Formulated in the range of 4.00-30.0 µg/L.

Part Number
PEO-077
QCO-077 QC Known

WS - Pesticides

A 1.5 mL concentrate in Acetone for determination of:

Bromacil	2-20 µg/L
Butachlor	2-20 µg/L
Metribuzin	2-20 µg/L
Metolachlor	2-20 µg/L
Prometon	2-60 µg/L
Cyanazine	2-60 µg/L
Molinate	5-50 µg/L

Part Number
PEO-099
QCO-099 QC Known

WS - Oxygenates

A 1.5 mL concentrate in PT Methanol for determination of ETBE, TAME, DIPE, Trichlorotrifluoroethane, 1-Phenylpropane, and tert-Butyl alcohol. Formulated in the range of 5-50 µg/L.

Part Number
PEO-075
QCO-075 QC Known

2024 WS Study Schedule

Study Number	Study Opens	Study Closes
WS-137	Jan. 8	Feb. 21
WS-138	April 3	May 17
WS-139	July 2	Aug. 15
WS-140	Oct. 15	Nov. 28

WS Organics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

EPA WS Organics Kit

- WS-Carbamate Pesticides
- WS-PCBs
- WS-Organochlorine Pesticides
- WS-Diquat/Endothall/Glyphosate/Paraquat
- WS-Chlordane
- WS-Regulated SOCs
- WS-Unregulated VOCs
- WS-Chloral Hydrate
- WS-Trihalomethanes
- WS-Herbicides
- WS-Organonitrogen Pesticides
- WS-Organic Disinfection By-Products
- WS-Toxaphene
- WS-Regulated VOCs
- WS-EDB/DBCP/TCP

Part Number		
PEO-010K		One-Time Set Semi-Annually
QCO-010K	QC Known	One-Time Set Semi-Annually

Full WS Organics Kit

- WS-Carbamate Pesticides
- WS-PCBs
- WS-Organochlorine Pesticides
- WS-Diquat/Endothall/Glyphosate/Paraquat
- WS-Chlordane
- WS-Regulated SOCs
- WS-Unregulated VOCs
- WS-Pesticides
- WS-Oxygenates
- WS-Trihalomethanes
- WS-Herbicides
- WS-Organonitrogen Pesticides
- WS-Organic Disinfection By-Products
- WS-Toxaphene
- WS-Regulated VOCs
- WS-EDB/DBCP/TCP
- WS-Chloral Hydrate

Part Number		
PEO-009K		One-Time Set Semi-Annually
QCO-009K	QC Known	One-Time Set Semi-Annually

WS Inorganics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

WS - Residual Free Chlorine

A 2.2 mL concentrate for determination of Residual Free Chlorine and Total Residual Chlorine. Formulated in the TNI range of 0.5-3.0 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-012
QCI-012 QC Known

WS - Cyanide

A 21 mL concentrate for determination of Total Cyanide.
Formulated in the TNI range of 0.1-0.5 mg/L.
Each ampule produces 2 liters of sample.

Part Number
PEI-015
QCI-015 QC Known

WS - TOC/DOC

A 21 mL concentrate to be analyzed for TOC and DOC. Each ampule produces 2 liters of sample.

TOC	1.3-13 mg/L
DOC	1.3-13 mg/L

Part Number
PEI-013
QCI-013 QC Known

WS - Turbidity

A 21 mL concentrate for determination of Turbidity in the TNI range of 0.5-8 NTU. Each container produces 2 liters of sample.

Part Number
PEI-014
QCI-014 QC Known

WS - Trace Metals

A 2 x 21 mL ampule set for determination of the following elements. Each ampule produces 2 liters of sample.

Aluminum	130-1000 µg/L
Antimony	6-50 µg/L
Arsenic	5-50 µg/L
Barium	500-3000 µg/L
Beryllium	2-20 µg/L
Boron	800-2000 µg/L
Cadmium	2-50 µg/L
Chromium	10-200 µg/L
Copper	50-2000 µg/L
Iron	100-1800 µg/L
Lead	5-100 µg/L
Lithium	10-50 µg/L
Manganese	40-900 µg/L
Molybdenum	15-130 µg/L
Nickel	10-500 µg/L
Selenium	10-100 µg/L
Silver	20-300 µg/L
Thallium	2-10 µg/L
Vanadium	50-1000 µg/L
Zinc	200-2000 µg/L

Part Number
PEI-016
QCI-016 QC Known

WS - Inorganic Disinfection By-Products

A 2 x 5 mL concentrate set for determination of the following. Each ampule produces 2 liters of sample.

Chlorate	60-180 µg/L
Chlorite	100-1000 µg/L
Bromate	7-50 µg/L
Bromide	50-300 µg/L

Part Number
PEI-017
QCI-017 QC Known

WS - pH

A 250 mL whole-volume sample for determination of pH without dilution. Formulated in the TNI range of 5.0-10 units.

Part Number
PEI-083 $51.00
QCI-083 QC Known $41.00

WS Inorganics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

WS - Mercury

A 21 mL concentrate for determination of Mercury. Formulated in the TNI range of 0.5-10 µg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-088
QCI-088 QC Known

WS - Nitrite

A 21 mL concentrate for determination of Nitrite. Formulated in the TNI range of 0.4-2.0 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-140
QCI-140 QC Known

WS - Hardness

A 250 mL whole-volume sample for determination of:

Calcium	30-90 mg/L
Magnesium	2.0-20 mg/L
Sodium	12-50 mg/L
Calcium Hardness	75-225 mg/L
Total Hardness	83-307 mg/L

Part Number
PEI-145
QCI-145 QC Known

WS - Corrosivity

A 500 mL whole-volume sample for determination of Corrosivity. Formulated in the TNI range of -4 to +4 SI units.

Part Number
PEI-142
QCI-142 QC Known

WS - Vanadium

A 21 mL concentrate for determination of Vanadium. Formulated in the CA-ELAP range of 5-50 µg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-144
QCI-144 QC Known

WS - Nitrate

A 21 mL concentrate for determination of Nitrate. Formulated in the range of 3-10 mg/L.

Part Number
PEI-195
QCI-195 QC Known

WS - MBAs

A 10.5 mL concentrate for determination of LAS as MBAs. Formulated in the TNI range of 0.1-1.0 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-091
QCI-091 QC Known

WS - Orthophosphate

A 21 mL concentrate for determination of Orthophosphate. Formulated in the TNI range of 0.5-5.5 mg/L. Each ampule produces 2 liters of sample.

Part Number
PEI-141
QCI-141 QC Known

WS - Inorganics

A 500 mL whole-volume sample for determination of:

Chloride	20-160 mg/L
Conductivity	130-1300 umhos/cm
Fluoride	1-8 mg/L
Nitrate as N	3-10 mg/L
Nitrate/Nitrite-N	3-10 mg/L
Potassium	10-40 mg/L
Sulfate	25-250 mg/L
Total Dissolved Solids	100-1000 mg/L
Alkalinity	25-200 mg/L

Part Number
PEI-041
QCI-041 QC Known

WS - Uranium

A 21 mL concentrate for determination of Uranium. Formulated in the range of 3-104 µg/L.

Part Number
PEI-143
QCI-143 QC Known

WS - Fluoride

A 125 mL whole volume sample for determination of Fluoride. Formulated in the TNI range of 1-8 mg/L.

Part Number
PEI-193
QCI-193 QC Known

WS Inorganics Proficiency Testing Studies

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

WS - Silica

A 21 mL concentrate for dilution to 1 liter for determination of Silica. Formulated in the TNI range of 5.0-75 mg/L. Each vial produces 2 liters of sample.

Part Number

PEI-073

QCI-073 QC Known

WS - UV254 Absorbance

A 21 mL concentrate for determination of UV254 absorbance. Formulated in the TNI range of 0.05-0.7 cm(-1).

Part Number

PEI-085

QCI-085 QC Known

WS - Hexavalent Chromium

A 10.5 mL concentrate to be diluted to 1 liter and analyzed for Cr(VI) at drinking water levels. Formulated in the TNI range of 5.0-50 µg/L. Each ampule produces 2 liters of sample.

Part Number

PEI-128

QCI-128 QC Known

WS – Perchlorate – Whole Volume

A 500 mL whole volume sample for determination of Perchlorate in an aqueous mixed common anion matrix with conductivity at 500 umhos/cm. Formulated in the range of 4.0-20 µg/L.

Part Number

PEI-194

QCI-194 QC Known

WS - Low Level Fluoride

A 250 mL whole volume sample for determination of Fluoride. Formulated in the range of 0.5–2.0 mg/L.

Part Number

PEI-197 $60.00

QCI-197 QC Known $58.00

2024 WS Study Schedule

Study Number	Study Opens	Study Closes
WS-137	Jan. 8	Feb. 21
WS-138	April 3	May 17
WS-139	July 2	Aug. 15
WS-140	Oct. 15	Nov. 28

WS - Perchlorate

A 5.0 mL concentrate for determination of Perchlorate. Formulated in the TNI range of 4.0-20 µg/L. Each ampule produces 2 liters of sample.

Part Number

PEI-108

QCI-108 QC Known

WS - Color

A 100 mL whole-volume sample for determination of Color. Formulated in the range of 1-25 CU.

Part Number

PEI-131

QCI-131 QC Known

Full NELAC WS Inorganics Kit

Inorganic Disinfection By-Products	Corrosivity
Hardness	Turbidity
Inorganics	Nitrite
TOC/DOC	Silica
pH	Hexavalent Chromium
Cyanide	MBAs
Trace Metals	UV254 Absorbance
Residual Free Chlorine	Perchlorate
Mercury	Orthophosphate

Part Number

PEI-018K One-Time Set Semi-Annually

QCI-019K QC Known One-Time Set Semi-Annually

EPA WS Inorganics Kit

Inorganics	Trace Metals
Turbidity	Residual Free Chlorine
Hardness	Mercury
TOC/DOC	Orthophosphate
pH	Inorganic Disinfection By-Products
Cyanide	Nitrite

Part Number

PEI-020K One-Time Set Semi-Annually

QCI-018K QC Known One-Time Set Semi-Annually

WS Microbiological Proficiency Testing

An NSI Lab Solutions Exclusive! All Quantitative PT Samples are Supplied in Duplicate.

WS - Microbiological PT

A ten standard set for determination of Total/Fecal Coliforms and *E.coli*. The standards are designed to be compatible with all promulgated methods including MF, MTF, IDEXX Quanti-Tray®, Colilert®, and Colisure®. With this set, you can report presence/absence and quantitative* results. All samples are cultured in the range of 20-200 CFU. Sterile hydration buffer included.

Part Number
MIC-001
MIC-QC4 QC Known

**Please note you can only report quantitative results quarterly (MS-241, MS-243, MS-245, MS-247).*

WS - Standard Plate Count

One stabilized pellet containing a heterotrophic bacteria in the range of 5-500 CFU/MPN per mL. Sterile hydration buffer included.

Part Number
MIC-002
MIC-QC3 QC Known

WS - Quantitative Coliforms

One stabilized pellet in the range of 20-200 CFU per 100 mL designed for LT2 Enhanced Surface Water Treatment Rule. Evaluated for *E.coli*, Fecal Coliform, and Total Coliform. Applicable for all SDWA quantitative methods. Sterile hydration buffer included.

Part Number
MIC-006
MIC-QC6 QC Known

WS – Microbiological PT-Enterococci

The PT set includes 10 samples and 10 vials of sterile hydration buffer. This set will satisfy the requirements for the detection of Enterococci.

Part Number
MIC-007
MIC-QC13 QC Known

WS - Quantitative Enterococcus

Designed for use with all MPN and MF procedures. Sample supplied as a dehydrated pellet in the range of 20-1000 CFU/MPN per 100 mL. Sterile hydration buffer included. Store in freezer.

Part Number
MIC-009
MIC-QC14 QC Known

2024 WS Microbiological Study Schedule

Study Number	Study Opens	Study Closes
MS-241	Jan. 3	Feb. 16
MS-242*	March 4	April 3
MS-243	April 2	May 16
MS-244*	June 5	July 5
MS-245	July 8	Aug. 21
MS-246*	Sept. 4	Oct. 2
MS-247	Oct. 1	Nov. 14
MS-248*	Nov. 13	Dec. 11

**MIC-002, MIC-006, MIC-007 & MIC-009 are not available in these studies.*

Dates are subject to change based on regulatory requirements.

Quanti-Tray®, Colilert®, and Colisure® are registered trademarks of IDEXX Laboratories, Inc.

NOTE: Overnight shipping and HAZMAT fees apply to each order and are prepaid and added to your invoice. All microbiological samples are shipped in a cold pack to maintain integrity. Store in freezer.

Product Listings—Microbiological CRMs

Except where noted, standards are formulated at 1000-2000 CFU. Actual certified values are listed on an accompanying COA.

Single Organisms - High Level	10 Vials Catalog#/Price	20 Vials Catalog#/Price
P. aeruginosa (NCTC 12951)	10662-10	10662-20X
E. aerogenes (NCTC 10006)	10006-10	10006-20X
E. coli (NCTC 9001)	9001-10	9001-20X
Klebsiella spp (NCTC 8167)	8167-10	8167-20X
E. faecalis (NCTC 775) - High (1000-1500)	775H-10	775H-20X
HPC Control (5-500 per mL)	HPCQC-10	HPCQC-20X
L. pneumophila (NCTC 11192) – (100-2000)	11192-10	11192-20X

Except where noted, standards are formulated at < 200 CFU. Actual certified values are listed on an accompanying COA.

Single Organisms - Low Level	10 Vials Catalog#/Price	20 Vials Catalog#/Price
P. aeruginosa (NCTC 12951)	10662L-10	10662L-20X
E. aerogenes (NCTC 10006)	10006L-10	10006L-20X
E. coli (NCTC 9001)	9001L-10	9001L-20X
Klebsiella spp (NCTC 8167)	8167L-10	8167L-20X
E. faecalis (NCTC 775)	775L-10	775L-20X
S.bovis (NCTC 8177)	8177L-10	8177L-20X

Coliform QC Check Kit

4 Each of *E.coli*, E. aerogenes, and P. aeruginosa (1000-2000 CFU of each).

Part Number
COL-QCK 12 vials

Fecal Coliform in Sludge QC

A pack of 5 individual 1 gram vials of lyophilized sludge with fecal coliform set at 1E4 to 1E7 mpn/g.

Part Number MIC-SLUDGE-5

Colilert®, Quanti-Tray®, Colilert-18®, and SimPlate® are registered trademarks of IDEXX Laboratories, Inc.

Universal Water Microbe Cocktail

QC all of your water microbiology assays with just a single flash dissolve lyophilized pellet. Each pellet can be used to QC the following microbiology analyses at the approximate levels shown after hydration to 100mL:

Total Coliform	~2400CFU/100mL
E. coli	~1000CFU/100mL
Fecal Coliform	~500CFU/100mL
P. aeruginosa	~1000CFU/100mL
Enterococci	~1000CFU/100mL
HPC	~5000CFU/100mL

Source organisms are no more than two passages from primary NCTC cultures. To use, dissolve a single pellet into 100mL of sterile DI water. Applicable for use with MTF, IDEXX and Plate Count methods

Part Number
MIC-UNV-10 10 pellets
MIC-UNV-20 20 pellets

UST Proficiency Testing Program

Meet your requirements of State Accreditation for UST analysis.

PVOC in Water

A single blind sample for dilution in water with analysis for Benzene, Toluene, Ethylbenzene, m+p-Xylene, o-Xylene, MTBE, Naphthalene, and Total Xylenes.

Part Number
PE-113
QC-113 QC Known

Gasoline in Water

A single blind sample for dilution in water with analysis for Gasoline Range Organics by Purge and Trap, Modified 8015, and NWTPH-Gx Methods in the range of 400-4000 µg/L.

Part Number
PE-114
QC-114 QC Known

Diesel in Water

A single blind sample for dilution in water with analysis for Diesel by Modified 8015 and NWTPH-Dx Methods in the range of 800-6000 µg/L.

Part Number
PE-115
QC-115 QC Known

TPH in Water

A single sample concentrate for analysis of TPH in water by IR or Gravimetric Methods.

Part Number
PE-116
QC-116 QC Known

Texas TPH in Water

A two sample (high and low range) concentrate set for analysis of TPH by TNRCC 1005.

Part Number
TX-1005WPT
TX-1005WQC QC Known

2024 UST Study Schedule

Study Number	Study Opens	Study Closes
UST-115	Feb. 6	March 21
UST-116	March 26	May 9
UST-117	Aug. 20	Oct. 3
UST-118	Oct. 21	Dec. 4

UST Proficiency Testing Program

PVOC in Soil

Sample includes a 15 gram clean soil matrix and concentrate in Methanol containing the BTEX analytes plus MTBE and Naphthalene.

Part Number
SPE-113
SQC-113 QC Known

Gasoline in Soil

Supplied as a 15 gram blank soil and a 2 mL ampule containing GRO spike in Methanol. Applicable to Purge and Trap and Methanol Extraction Techniques in the range of 100-2000 mg/kg.

Part Number
SPE-114
SQC-114 QC Known

Diesel in Soil

Supplied as two 20 gram samples for analysis of Diesel Range Organics in the range of 300-3000 mg/kg.

Part Number
SPE-115
SQC-115 QC Known

TPH in Soil

A 50 gram fortified soil sample for determination of TPH by IR or Gravimetric Methods.

Part Number
SPE-116
SQC-116 QC Known

Texas TPH in Soil

A two sample (high and low range) set for analysis of TPH by TNRCC 1005.

Part Number
TX-1005SPT
TX-1005SQC QC Known

2024 UST Study Schedule

Study Number	Study Opens	Study Closes
UST-115	Feb. 6	March 21
UST-116	March 26	May 9
UST-117	Aug. 20	Oct. 3
UST-118	Oct. 21	Dec. 4

Soil/Hazardous Waste Proficiency Testing

Metals in Soil

A 40 gram sample supplied ready to use. Applicable to all ICP & AA — SW-846 and CLP Methods. Contains all of the metals listed below in the TNI required range.

Aluminum	Antimony	Arsenic	Barium	Beryllium
Boron	Cadmium	Calcium	Chromium	Cobalt
Copper	Iron	Lead	Lithium	Magnesium
Manganese	Mercury	Molybdenum	Nickel	Potassium
Selenium	Silver	Sodium	Strontium	Thallium
Titanium	Tin	Vanadium	Zinc	

Concentrations of each element comply with NELAC standards. Use for ICP, AA, RCRA, and CLP Methods.

Part Number
SPEI-001
SQCI-001 QC Known

Hexavalent Chromium

A 40 gram sample applicable to all Cr(VI) Methods. Contains Hexavalent Chromium within the TNI required range.

Part Number
SPEI-003
SQCI-003 QC Known

TCLP Metals in Soil

Supplied as a 100 gram blank soil and a 21 mL spiking solution. Contains a subset of the metals listed below.

Antimony - 0.2-20 mg/L	Lead - 0.5-150 mg/L
Arsenic - 0.5-40 mg/L	Mercury - 0.05-10 mg/L
Barium - 0.5-500 mg/L	Selenium - 0.5-10 mg/L
Beryllium - 0.1-5 mg/L	Silver - 0.2-40 mg/L
Cadmium - 0.5-50 mg/L	Zinc - 0.5-30 mg/L
Chromium - 0.5-50 mg/L	

Part Number
SPEI-005
SQCI-005 QC Known

Flash Point

A 110 mL sample for Ignitability in the TNI range of 100-200°F. Ground Shipping Only.

Part Number
SPEI-014
SQCI-014 QC Known

Anions in Soil

A 40 gram sample designed for the DI water extraction procedure followed by analyses for all anions listed below. Formulated in the TNI required range where applicable.

Bromide	Nitrate as N
Chloride	Sulfate
Fluoride	Orthophosphate as P
Nitrite as N	Nitrate/Nitrite-N

Part Number
SPEI-015
SQCI-015 QC Known

Cyanide in Soil

Supplied as a 50 gram matrix blank and a 5 mL spiking solution for the determination of Total Cyanide.

Part Number
SPEI-017
SQCI-017 QC Known

Reactive Cyanide

Supplied as a 50 gram matrix blank and a 5 mL spiking solution for determination of Reactive Cyanide.

Part Number
SPEI-013
SQCI-013 QC Known

Soil/Hazardous Waste Proficiency Testing

Nutrients in Soil

Supplied as a 40 gram sample for determination of Nutrients listed below in the TNI required range.

Ammonia as N	300-3000 mg/kg
Total Kjeldahl-Nitrogen	400-4000 mg/kg
Total Organic Carbon	1000-15000 mg/kg
Total Phosphorus	300-3000 mg/kg

Part Number
SPEO-019
SQCO-019 QC Known

Chlordane in Soil

A 30 gram sample supplied ready to use. Designed for use with EPA Method 8081. Contains Technical Chlordane in the TNI required range. Supplied in duplicate.

Part Number
SPEO-009
SQCO-009 QC Known

Corrosivity

A 40 gram soil sample for determination of Corrosivity/pH in the range of 2-12 su.

Part Number
SPEI-012
SQCI-012 QC Known

Oil and Grease in Soil

Supplied as a 50 gram sample for determination of n-Hexane extractable material at 300-3000 mg/kg.

Part Number
SPEI-037
SQCI-037 QC Known

Toxaphene in Soil

A 30 gram sample supplied ready to use. Designed for use by EPA Method 8081. Formulated in the TNI required range. Supplied in duplicate.

Part Number
SPEO-004
SQCO-004 QC Known

PCB in Soil

A 30 gram sample supplied ready to use. Designed for use by EPA Method 8081. Contains one Aroclor per study. Formulated in the TNI required range. Supplied in duplicate.

Part Number
SPEO-005
SQCO-005 QC Known

Soil/Hazardous Waste Proficiency Testing

Organochlorine Pesticides

A 30 gram sample supplied ready to use. Each study contains at least 80% of the TNI analytes in the required range. Designed for use by EPA Method 8081. Supplied in duplicate.

Aldrin	Endosulfan II
alpha-BHC	Endosulfan sulfate
beta-BHC	Endrin
gamma-BHC	Endrin aldehyde
delta-BHC	Heptachlor
4,4'-DDD	Heptachlor epoxide (B)
4,4'-DDE	Methoxychlor
4,4'-DDT	alpha-Chlordane
Dieldrin	gamma-Chlordane
Endosulfan I	Endrin ketone
Hexachlorobenzene	Propachlor
Hexachlorocyclopentadiene	Trifluralin

Part Number

SPEO-003

SQCO-003 QC Known

Acid Herbicides in Soil

A 30 gram sample supplied ready to use. Designed for use by EPA Method 8151. Contains all TNI analytes plus a subset of the other analytes listed below. Supplied in duplicate.

Dicamba (NELAC)	DCPA
Picloram	2,4-D (NELAC)
Dinoseb (NELAC)	Dichloroprop
MCPA	MCPP
2,4,5-T (NELAC)	4-Nitrophenol
Acifluorfen	Dalapon
2,4,5-TP (NELAC)	Chloramben
Bentazon	2,4-DB (NELAC)
Pentachlorophenol (NELAC)	3,5-Dichlorobenzoic acid

Part Number

SPEO-006

SQCO-006 QC Known

Soil/Hazardous Waste Proficiency Testing

Semivolatiles in Soil

A 30 gram sample supplied ready to use. Designed for use by EPA Method 8270. Each study contains at least 60% of the TNI analytes plus a subset of the other analytes listed below. Supplied in duplicate.

1,1-Biphenyl	3,3-Dimethylbenzidine	bis(2-Ethylhexyl)phthalate	Methyl parathion
1,2,4,5-Tetrachlorobenzene	3,3'-Dichlorobenzidine	Butyl benzyl phthalate	n-Decane
1,2,4-Trichlorobenzene	3-Methylcholanthrene	Caprolactam	N-Nitroso-di-n-butylamine
1,2-Dichlorobenzene	3-Methylphenol	Carbazole	N-Nitrosodi-n-propylamine
1,3,5-Trinitrobenzene	3-Nitroaniline	Chlorobenzilate	N-Nitrosodiethylamine
1,3-Dichlorobenzene	3-Nitrophenol	Chrysene	N-Nitrosodimethylamine
1,3-Dinitrobenzene	4-Aminobiphenyl	Di-n-butyl phthalate	N-Nitrosodiphenylamine
1,4-Dichlorobenzene	4-Bromophenyl phenyl ether	Di-n-octyl phthalate	N-Nitrosomethylethylamine
1,4-Naphthoquinone	4-Chloro-3-methylphenol	Diallate	N-Nitrosomorpholine
1-Chloronaphthalene	4-Chloroaniline	Dibenz(a,h)anthracene	N-Nitrosopiperidine
1-Naphthylamine	4-Chlorophenyl phenyl ether	Dibenzofuran	N-Nitrosopyrrolidine
2,2-Oxybis(1-chloropropane)	4-Methylphenol	Diethyl phthalate	n-Octadecane
2,3,4,5-Tetrachlorophenol	4-Nitroaniline	Dimethoate	Naphthalene-d8
2,3,4,6-Tetrachlorophenol	4-Nitrophenol	Dimethyl phthalate	Naphthalene
2,3,5,6-Tetrachlorophenol	4-Nitroquineoline-1-oxide	Dinoseb	Nitrobenzene
2,3-Dichloroaniline	5-Nitro-o-toluidine	Diphenyl ether	o,o,o-Triethylphoshorothioate
2,4,5-Trichlorophenol	7,12-Dimethylbenz(a)anthracene	Diphenylamine	o-Dinitrobenzene
2,4,6-Trichlorophenol	a,a-Dimethylphenylamine	Disulfoton	o-Toluidine
2,4-Dichlorophenol	Acenaphthene	Ethyl ethanesulfonate	p-Dimethylaminoazobenzene
2,4-Dimethylphenol	Acenaphthylene	Famphur	p-Dinitrobenzene
2,4-Dinitrophenol	Acetophenone	Fluoranthene	p-Phenylenediamine
2,4-Dinitrotoluene	Aniline	Fluorene	Parathion
2,6-Dichlorophenol	Anthracene	Hexachlorobenzene	Pentachlorobenzene
2,6-Dinitrotoluene	Atrazine	Hexachlorobutadiene	Pentachlorohexane
2-Acetylaminofluorene	Benzaldehyde	Hexachlorocyclopentadiene	Pentachloronitrobenzene
2-Amino-1-methylbenzene	Benzidine	Hexachloroethane	Pentachlorophenol
2-Chloronaphthalene	Benzo(a)anthracene	Hexachlorophene	Phenacetin
2-Chlorophenol	Benzo(a)pyrene	Hexachloropropene	Phenanthrene
2-Cyclohexyl-4,6-dinitrophenol	Benzo(b)fluoranthene	Indeno(1,2,3-c,d)pyrene	Phenol
2-Methylcholanthrene	Benzo(g,h,i)perylene	Isodrin	Phorate
2-Methylnaphthalene	Benzo(k)fluoranthene	Isophorone	Pronamide
2-Methylphenol	Benzoic acid	Isosafrole	Pyrene
2-Naphthylamine	Benzyl alcohol	Kepone	Pyridine
2-Nitroaniline	bis(2-Chloroethoxy)methane	m-Dinitrobenzene	Safrole
2-Nitrophenol	bis(2-Chloroethyl)ether	Methapyrilene	Sulfotepp
2-Picoline	2,2'-Oxybis(1-Chloropropane)	Methyl methanesulfonate	Thionazin

Part Number
SPEO-007
SQCO-007 QC Known

Soil/Hazardous Waste Proficiency Testing

VOCs in Soil – Low Level

Supplied as a 2 mL ampule concentrate and a 15 gram matrix blank. To use, spike the concentrate onto the matrix blank prior to analysis. Designed for use by EPA Methods 8021 or 8260. Each study contains at least 60% of the TNI analytes plus a subset of the other analytes listed below.

1-Chlorohexane	Acrolein	Isopropylbenzene
1,1-Dichloroethane	Acrylonitrile	Methacrylonitrile
1,1-Dichloroethene	Allyl chloride	Methyl acetate
1,1-Dichloropropene	Benzene	Methyl cyclohexane
1,1,1-Trichloroethane	Bromobenzene	Methyl methacrylate
1,1,1,2-Tetrachloroethane	Bromochloromethane	Methylene chloride
1,1,2-Trichloro-1,2,2-trifluoroethane	Bromodichloromethane	MTBE
1,1,2-Trichloroethane	Bromoform	n-Butylbenzene
1,1,2,2-Tetrachloroethane	Bromomethane	n-Propylbenzene
1,2-Dibromo-3-chloropropane	Carbon disulfide	Naphthalene
1,2-Dibromoethane	Carbon tetrachloride	p-Isopropyltoluene
1,2-Dichlorobenzene	Chlorobenzene	Pentachloroethane
1,2-Dichloroethane	Chlorodibromomethane	Propionitrile
1,2-Dichloropropane	Chloroethane	sec-Butylbenzene
1,2,3-Trichloropropane	Chloroform	Styrene
1,2,4-Trichlorobenzene	Chloromethane	t-Amyl alcohol
1,2,4-Trimethylbenzene	Chloroprene	t-Amylmethylether (TAME)
1,3-Dichlorobenzene	Cyclohexanone	t-Butyl alcohol
1,3-Dichloropropane	cis-1,2-Dichloroethene	tert-Butylbenzene
1,3,5-Trichlorobenzene	cis-1,3-Dichloropropene	Tetrachloroethene
1,3,5-Trimethylbenzene	cis-1,4-Dichloro-2-butene	Tetrahydrofuran
1,4-Dichlorobenzene	Dibromomethane	Toluene
1,4-Dioxane	Dichlorodifluoromethane	Total Xylenes
2-Butanone	Diethyl ether	trans-1,2-Dichloroethene
2-Chloroethyl vinyl ether	Diisopropylether (DIPE)	trans-1,3-Dichloropropene
2-Chlorotoluene	Ethanol	trans-1,4-Dichloro-2-butene
2-Hexanone	Ethyl methacrylate	Trichloroethene
2,2-Dichloropropane	Ethyl-tert-butyl ether	Trichlorofluoromethane
3,3-Dimethyl-1-butanol	Ethylbenzene	Trichlorotrifluoroethane
4-Chlorotoluene	Hexachlorobutadiene	Vinyl acetate
4-Methyl-2-pentanone	Hexachloroethane	Vinyl chloride
Acetone	Iodomethane	
Acetonitrile	Isobutyl alcohol	

Part Number
SPEO-008L
SQCO-008L QC Known

Soil/Hazardous Waste Proficiency Testing

VOCs in Soil – Mid Level

Supplied as a 10 gram sample in 10 mL of Methanol. Ready to analyze as received. Each study contains at least 60% of the TNI analytes in the TNI required range plus a subset of the other analytes listed below.

1-Chlorohexane	Acrolein	Isopropylbenzene
1,1-Dichloroethane	Acrylonitrile	Methacrylonitrile
1,1-Dichloroethene	Allyl chloride	Methyl acetate
1,1-Dichloropropene	Benzene	Methyl cyclohexane
1,1,1-Trichloroethane	Bromobenzene	Methyl methacrylate
1,1,1,2-Tetrachloroethane	Bromochloromethane	Methylene chloride
1,1,2-Trichloro-1,2,2-trifluoroethane	Bromodichloromethane	MTBE
1,1,2-Trichloroethane	Bromoform	n-Butylbenzene
1,1,2,2-Tetrachloroethane	Bromomethane	n-Propylbenzene
1,2-Dibromo-3-chloropropane	Carbon disulfide	Naphthalene
1,2-Dibromoethane	Carbon tetrachloride	p-Isopropyltoluene
1,2-Dichlorobenzene	Chlorobenzene	Pentachloroethane
1,2-Dichloroethane	Chlorodibromomethane	Propionitrile
1,2-Dichloropropane	Chloroethane	sec-Butylbenzene
1,2,3-Trichloropropane	Chloroform	Styrene
1,2,4-Trichlorobenzene	Chloromethane	t-Amyl alcohol
1,2,4-Trimethylbenzene	Chloroprene	t-Amylmethylether (TAME)
1,3-Dichlorobenzene	Cyclohexanone	t-Butyl alcohol
1,3-Dichloropropane	cis-1,2-Dichloroethene	tert-Butylbenzene
1,3,5-Trichlorobenzene	cis-1,3-Dichloropropene	Tetrachloroethene
1,3,5-Trimethylbenzene	cis-1,4-Dichloro-2-butene	Tetrahydrofuran
1,4-Dichlorobenzene	Dibromomethane	Toluene
1,4-Dioxane	Dichlorodifluoromethane	Total Xylenes
2-Butanone	Diethyl ether	trans-1,2-Dichloroethene
2-Chloroethyl vinyl ether	Diisopropylether (DIPE)	trans-1,3-Dichloropropene
2-Chlorotoluene	Ethanol	trans-1,4-Dichloro-2-butene
2-Hexanone	Ethyl methacrylate	Trichloroethene
2,2-Dichloropropane	Ethyl-tert-butyl ether	Trichlorofluoromethane
3,3-Dimethyl-1-butanol	Ethylbenzene	Trichlorotrifluoroethane
4-Chlorotoluene	Hexachlorobutadiene	Vinyl acetate
4-Methyl-2-pentanone	Hexachloroethane	Vinyl chloride
Acetone	Iodomethane	
Acetonitrile	Isobutyl alcohol	

Part Number
SPEO-008H
SQCO-008H QC Known

Soil/Hazardous Waste Proficiency Testing

Nitroaromatics

A 10 gram sample supplied ready to use. Each study contains at least 80% of the analytes listed below in the required range. Supplied in duplicate.

Tetryl	2-Amino-4,6-dinitrotoluene (2-am-DNT)
2-Nitrotoluene	2,4-Dinitrotoluene (2,4-DNT)
2,4,6-Trinitrotoluene	4-Nitrotoluene
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	Nitrobenzene
4-Amino-2,6-dinitrotoluene (4-am-DNT)	1,3,5-Trinitrobenzene
3-Nitrotoluene	2,6-Dinitrotoluene (2,6-DNT)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	Nitroglycerin
Pentaerythritol tetranitrate	1,3-Dinitrobenzene
Nitroguanidine	3,5-Dinitroaniline

Part Number
SPEI-011
SQCI-011 QC Known

Low Level PAHs in Soil

A 30 gram sample supplied ready to use. Each study contains all analytes listed below in the TNI required range. Supplied in duplicate.

Acenaphthene	Chrysene
Acenaphthylene	Dibenzo(a,h)anthracene
Anthracene	Fluoranthene
Benzo(a)anthracene	Fluorene
Benzo(b)fluoranthene	Indeno(1,2,3-c,d)pyrene
Benzo(k)fluoranthene	Naphthalene
Benzo(g,h,i)perylene	Phenanthrene
Benzo(a)pyrene	Pyrene
1-Methylnaphthalene	2-Methylnaphthalene

Part Number
SPEI-016
SQCI-016 QC Known

Soil/Hazardous Waste Proficiency Testing

Organophosphorus Pesticides

A 30 gram sample supplied ready to use. All are formulated in the range of 100-1000 µg/kg. Supplied in duplicate.

Azinophos methyl (Guthion)	Malathion	Chlorpyrifos
Naled	Demeton-s	Parathion, ethyl
Diazinon	Parathion, methyl	Dichlorvos (DDVP)
Phorate	Disulfoton	Ronnel
EPN	Stirophos	Ethoprop
Sulfotepp	Famphur	TEPP
Fenthion	Demeton-o	Chlorfenvinphos
Trichlorfon		

Part Number
SPEO-021
SQCO-021 QC Known

TCLP Base/Neutrals

Supplied as a 100 gram blank soil and a 21 mL spiking solution. Each sample contains a subset of each analyte class at concentrations exceeding regulatory levels.

1,4-Dichlorobenzene	2-Methylphenol
Hexachlorobutadiene	4-Methylphenol
Hexachloroethane	3+4-Methylphenol
Nitrobenzene	Total Cresol
Pyridine	Pentachlorophenol
2,4-Dinitrotoluene	2,4,5-Trichlorophenol
Hexachlorobenzene	2,4,6-Trichlorophenol

Part Number
SPEO-015-BN
SQCO-015-BN QC Known

TCLP Herbicides

Supplied as a 100 gram blank soil and a 21 mL spiking solution. Each sample contains each analyte at concentrations exceeding regulatory levels.

Silvex (2,4,5-TP)
2,4-D

Part Number
SPEO-015-HERB
SQCO-015-HERB QC Known

TCLP Pesticides

Supplied as a 100 gram blank soil and a 21 mL spiking solution. Each sample contains a subset of each analyte class at concentrations exceeding regulatory levels.

gamma-BHC (Lindane)
Chlordane, total
Endrin
Heptachlor
Heptachlor epoxide
Methoxychlor
Toxaphene

Part Number
SPEO-015-PEST
SQCO-015-PEST QC Known

Soil/Hazardous Waste Proficiency Testing

TOX in Soil

A 100 gram sample supplied ready to use. Designed for use wih EPA Methods 9020B, 9065, 9066, and 9067. Contains Total Phenolics and TOX in the range of 0.5-100 mg/kg.

Part Number
SPEO-038
SQCO-038 QC Known

PCBs in Transformer Oil

A 1.5 gram concentrate for determination of PCBs in Transformer Oil.

Part Number
SPEO-072
SQCO-072 QC Known

Perchlorate in Soil

Supplied as a 40 gram sample for determination of Perchlorate in the range of 200-2000 mg/kg.

Part Number
SPEI-141
SQCI-141 QC Known

Sulfide in Soil

Supplied as a fortifying spike and a blank soil to be analyzed for Sulfide.

Part Number
SPEI-018
SQCI-018 QC Known

TPH in Soil

Supplied as a 50 gram sample for determination of non-polar extractable material (TPH) in the range of 300-3000 mg/kg.

Part Number
SPEI-140
SQCI-140 QC Known

2024 Soil Study Schedule

Study Number	Study Opens	Study Closes
SM-140	Feb. 6	March 21
SM-141	March 26	May 9
SM-142	Aug. 20	Oct. 3
SM-143	Oct. 21	Dec. 4

Full NELAC Set

Semivolatiles	Pesticides
Chlordane	Hexavalent Chromium
Corrosivity	Cyanide
Flash Point	Acid Herbicides
PCBs	Trace Metals
Toxaphene	Low Level PAHs
Anions	Nitroaromatics
Nutrients	VOCs in Soil - Mid Level
Organophosphorus Pesticides	VOCs in Soil - Low Level

Part Number
SPEO-015K
SQCO-015K QC Known

CANNABIS PROFICIENCY TESTING

Hemp Microbiology Proficiency Tests

Hemp Oil Matrix

Qualitative PTs are a five sample set where 2 of the 5 samples are positive for the target microorganisms. Acceptable evaluation requires at least 4 of 5 recorded correctly with no false negatives. Can be used for molecular or culture techniques.

Qualitative Microbiological Scheduled PT in Hemp Oil Matrix

Component	Package Size	Part #
Aspergillus Mold	5 samples + 1 DI vial	CMPT-033
Listeria monocytogenes	5 samples + 1 DI vial	CMPT-066
Pseudomonas aeruginosa	5 samples + 1 DI vial	CMPT-072
Salmonella species	5 samples + 1 DI vial	CMPT-027
Shiga toxin-producing *Escherichia coli* (STEC)	5 samples + 1 DI vial	CMPT-030*
Staphylococcus aureus	5 samples + 1 DI vial	CMPT-069

Qualitative Microbiological PT Express in Hemp Oil Matrix

Component	Package Size	Part #
Aspergillus species	5 samples + 1 DI vial	CMPT-033B
Listeria monocytogenes	5 samples + 1 DI vial	CMPT-066B
Pseudomonas aeruginosa	5 samples + 1 DI vial	CMPT-072B
Salmonella species	5 samples + 1 DI vial	CMPT-027B
Shiga toxin-producing Escherichia coli (STEC)	5 samples + 1 DI vial	CMPT-030B*
Staphylococcus aureus	5 samples + 1 DI vial	CMPT-069B

Edible Matrix

Qualitative PTs are a five sample set where 2 of the 5 samples are positive for the target microorganisms. Acceptable evaluation requires at least 4 of 5 recorded correctly with no false negatives. Can be used for molecular or culture techniques. Matrix is chocolate.

Qualitative Microbiological Scheduled PT in Edible Matrix

Component	Package Size	Part #
Aspergillus Molds	5 samples + 1 DI vial	CMPT-032
Listeria monocytogenes	5 samples + 1 DI vial	CMPT-065
Pseudomonas aeruginosa	5 samples + 1 DI vial	CMPT-071
Salmonella species	5 samples + 1 DI vial	CMPT-026
Shiga toxin-producing *Escherichia coli* (STEC)	5 samples + 1 DI vial	CMPT-029*
Staphylococcus aureus	5 samples + 1 DI vial	CMPT-068

Qualitative Microbiological PT Express in Edible Matrix

Component	Package Size	Part #
Aspergillus species	5 samples + 1 DI vial	CMPT-032B
Listeria monocytogenes	5 samples + 1 DI vial	CMPT-065B
Pseudomonas aeruginosa	5 samples + 1 DI vial	CMPT-071B
Salmonella species	5 samples + 1 DI vial	CMPT-026B
Shiga toxin-producing *Escherichia coli* (STEC)	5 samples + 1 DI vial	CMPT-029B*
Staphylococcus aureus	5 samples + 1 DI vial	CMPT-068B

Quantitative PT samples are designed for quantitative determination of microorganisms in the range of >500 CFU/gram. Samples are inoculated with the target microorganisms and can be used with culture techniques.

Quantitative Microbiological Scheduled PT in Edible Matrix

Component	Package Size	Part #
APC	2 Samples + 2 DI	CMPT-057
BTGN / EB	2 Samples + 2 DI	CMPT-058
Coliform/*Escherichia coli*	2 Samples + 2 DI	CMPT-038
Yeast or Mold	2 Samples + 2 DI	CMPT-059

Quantitative Microbiological PT Express in Edible Matrix

Component	Package Size	Part #
APC	2 Samples + 2 DI	CMPT-057B
BTGN / EB	2 Samples + 2 DI	CMPT-058B
Coliform/*Escherichia coli*	2 Samples + 2 DI	CMPT-038B
Yeast or Mold	2 Samples + 2 DI	CMPT-059B

Hemp Plant Matrix

Qualitative PTs are a five sample set where 2 of the 5 samples are positive for the target microorganisms. Acceptable evaluation requires at least 4 of 5 recorded correctly with no false negatives. Can be used for molecular or culture techniques.

Qualitative Microbiological Scheduled PT

Component	Package Size	Part #
Aspergillus species	5 samples + 1 DI vial	CMPT-031
Escherichia coli	5 samples + 1 DI vial	CMPT-034
Escherichia coli O157:H7	5 samples + 1 DI vial	CMPT-035*
Listeria monocytogenes	5 samples + 1 DI vial	CMPT-064
Pseudomonas aeruginosa	5 samples + 1 DI vial	CMPT-070
Salmonella species	5 samples + 1 DI vial	CMPT-025
Shiga toxin-producing *Escherichia coli* (STEC)	5 samples + 1 DI vial	CMPT-028*
Staphylococcus aureus	5 samples + 1 DI vial	CMPT-067

Qualitative Microbiological PT Express in Hemp

Component	Package Size	Part #
Aspergillus species	5 samples + 1 DI vial	CMPT-031B
Escherichia coli	5 samples + 1 DI vial	CMPT-034B
Escherichia coli O157:H7	5 samples + 1 DI vial	CMPT-035B*
Listeria monocytogenes	5 samples + 1 DI vial	CMPT-064B
Pseudomonas aeruginosa	5 samples + 1 DI vial	CMPT-070B
Salmonella species	5 samples + 1 DI vial	CMPT-025B
Shiga toxin-producing *Escherichia coli* (STEC)	5 samples + 1 DI vial	CMPT-028B*
Staphylococcus aureus	5 samples + 1 DI vial	CMPT-067B

Quantitative PT samples are designed for quantitative determination of microorganisms in the range of >500 CFU/gram. Samples are inoculated with the target microorganisms and can be used with culture techniques.

Quantitative Microbiological Scheduled PT in Hemp

Component	Package Size	Part #
Aerobic Plate Count (APC) & Total Viable Count (TVC)	2 Samples + 2 DI	CMPT-036
BTGN / EB	2 Samples + 2 DI	CMPT-039
Coliform/*E. coli*	2 Samples + 2 DI	CMPT-037
qPCR Yeast & Mold	2 Samples + 2 DI	CMPT-085
Yeast or Mold	2 Samples + 2 DI	CMPT-040

Quantitative Microbiological PT Express in Hemp

Component	Package Size	Part #
Aerobic Plate Count (APC) & Total Viable Count (TVC)	2 Samples + 2 DI	CMPT-036B
BTGN / EB	2 Samples + 2 DI	CMPT-039B
Coliform/*E. coli*	2 Samples + 2 DI	CMPT-037B
qPCR Yeast & Mold	2 Samples + 2 DI	CMPT-085B
Yeast or Mold	2 Samples + 2 DI	CMPT-040B

Physical Chemistry

Scheduled Proficiency Tests for Water Activity & Moisture

Component	Matrix	Package Size	Part #
Water Activity in Hemp Scheduled PT	Hemp	2 x 5 mL Vials	CMPT-021
Moisture in Hemp Scheduled PT	Hemp	2 x 500 mg	CMPT-022
Water Activity in Edible Scheduled PT	Edible	2 x 5 mL Vials	CMPT-078
Water Activity in Oil Scheduled PT	Oil	2 x 5 mL Vials	CMPT-081

PT Express for Water Activity & Moisture

Component	Matrix	Package Size	Part #
Water Activity in Hemp PT Express	Hemp	2 x 5 mL Vials	CMPT-021B
Moisture in Hemp PT Express	Hemp	2 x 500 mg	CMPT-022B
Water Activity in Edible PT Express	Edible	2 x 5 mL Vials	CMPT-078B
Water Activity in Oil PT Express	Oil	2 x 5 mL Vials	CMPT-081B

Scheduled Proficiency Tests for Physical Contamination

Component	Matrix	Package Size	Part #
Foreign Materials in Hemp Scheduled PT	Hemp	5 Samples	CMPT-047

PT Express for Physical Contamination

Component	Matrix	Package Size	Part #
Foreign Materials in Hemp PT Express	Hemp	5 Samples	CMPT-047B

2024 Hemp Study Schedule

Study Number	Study Opens	Study Closes
HEMP-0324	March 26	May 9
HEMP-0924	Sept. 24	Nov. 8

FOOD PROFICIENCY TESTING

Look for our NEW enhanced PT reports online

- New summary section offering analyte z-score graph
- Enhanced data report now includes analyte certified value where available
- Method details provided when sufficient data is collected

Food Microbiology Proficiency Testing Standards

Quantitative Indicators

A blended organism OT standard for quantitative determination of APC, total coliform, *E. coli*, S. aureus, enterobacteriaceae, and yeast/mold in the range of 100–250,000 CFU/g after hydration. Supplied with hydration fluid.

Type	Part #
Buffer Matrix (2 pack)	FMPT-001
Buffer Matrix (5 pack)	FMPT-001-5
Buffer Matrix (10 pack)	FMPT-001-10
Meat Matrix (2 pack)	FMPT-001M
Meat Matrix (5 pack)	FMPT-001M-5
Meat Matrix (10 pack)	FMPT-001M-10
Dairy Matrix (2 pack)	FMPT-001D
Dairy Matrix (5 pack)	FMPT-001D-5
Dairy Matrix (10 pack)	FMPT-001D-10

Quantitative Lactic Acid Bacteria

A pure culture conveniently supplied in duplicate for quantitative determination of lactic acid producing bacteria, in the range of 100–250,000 CFU/g after hydration. Supplied with hydration fluid.

Type	Part #
Buffer Matrix	FMPT-004
Meat Matrix	FMPT-004M
Dairy Matrix	FMPT-004D

Quantitative Bacillus cereus

A pure culture conveniently supplied in duplicate for quantitative determination of B. cereus in the range of 100–250,000 CFU/g after hydration. Supplied with hydration fluid.

Type	Part #
Buffer Matrix	FMPT-003
Meat Matrix	FMPT-003M
Dairy Matrix	FMPT-003D

Quantitative Psuedomonas

A pure culture of P. aeruginosa conveniently supplied in duplicate for quantitative determination of psuedomonas, in the range of 100–250,000 CFU/g after hydration. Supplied with hydration fluid.

Type	Part #
Buffer Matrix	FMPT-015
Meat Matrix	FMPT-015M
Dairy Matrix	FMPT-015D

Qualitative Listeria monocytogenes Set

A three sample set for qualitative identification of L. monocytogenes. Set contains L. monocytogenes plus two non-pathogen, non-listeria organisms. Report present or absent for L. monocytogenes for each sample in the set. Three different series available per study. Supplied with hydration fluid.

Type	Part #
Water Matrix	FMPT-006
Meat Matrix	FMPT-006M
Dairy Matrix	FMPT-006D

Qualitative Salmonella Set

A three sample set for qualitative identification of salmonella, spp. Set contains salmonella and non-pathogenic, non-salmonella organisms. Report present or absent for salmonella spp. for each sample. Three different series available per study. Supplied with hydration fluid.

Type	Part #
Water Matrix	FMPT-008
Meat Matrix	FMPT-008M
Dairy Matrix	FMPT-008D

Qualitative STEC

A single sample conveniently supplied in duplicate containing at least 1 of 6 STECs for identification. Supplied with hydration fluid. Not for international sale. ECCN restrictions apply.

Type	Part #
Water Matrix	FMPT-009
Meat Matrix	FMPT-009M
Dairy Matrix	FMPT-009D

Qualitative Clostridium perfringens

A pure culture of C. perfringens for qualitative determination of C. perfringens. Supplied with hydration fluid.

Type	Part #
Buffer Matrix	FMPT-027
Meat Matrix	FMPT-027M
Dairy Matrix	FMPT-027D

Qualitative Pathogens Set

A unique three sample set for qualitative identification of S. enterica, L. monocytogenes and *E. coli* 0157:H7. Report present or absent for each organism of interest. Three different series available per study. Supplied with hydration fluid.

Type	Part #
Water Matrix	FMPT-005
Meat Matrix	FMPT-005M
Dairy Matrix	FMPT-005D

Qualitative STEC Set

A three sample set for qualitative identification of STEC. Set is designed to mimic typical FDA BAM and USDA MLG sample handling procedures. The PT set will contain one of the following: O26, O45, O103, O111, O121 or O145. The PT set can be used to report Total STEC or the specific serotype. Each set contain 3 x 25 grams sterile matrix (beef powder and skim milk powder) and three individually packaged lyophilized microorganism pellets. At least one of the three samples will be positive for STEC.

To use, transfer on 25 gram sterile matrix to a stomacher bag, add 225 mL of your in-house enrichment broth and then add a single sample pellet to the stomacher bag. Process and analyze according to your normal laboratory procedures. Report present or absent for each sample set. Three different series available per study. Not for international sale. ECCN restrictions apply.

Type	Part #
Meat Matrix	FMPT-024M
Dairy Matrix	FMPT-024D

Qualitative Listeria Set (Non-Pathogenic)

A three sample set for qualitative identification of listeria spp. Set contains non-pathogenic listeria strain and non-pathogenic, non-listeria organisms. Report present or absent for listeria spp. for each sample in the set. Three different series available per study. Supplied with hydration fluid.

Type	Part #
Water Matrix	FMPT-007
Meat Matrix	FMPT-007M
Dairy Matrix	FMPT-007D

Qualitative Campylobacter

A three sample set for qualitative identification of campylobacter spp. Set contains C. jejuni or coli and non-pathogen/non-campylobacter facultative anaerobes. Report present or absent for campylobacter app for each sample. Supplied with hydration fluid.

Type	Part #
Water Matrix	FMPT-013
Meat Matrix	FMPT-013M
Dairy Matrix	FMPT-013D

Qualitative Listeria monocytogenes Set

A three sample set for qualitative identification of L. monocytogenes. Set is designed to mimic typical FDA BAM and USDA MLG sample handling procedures. Each set contains 3 x 25 grams of sterile matrix (beef powder or skim milk powder) and three individually packaged lyophilized microorganism pellets. At least one of three of the sample pellets will be positive for L. monocytogenes.

To use, transfer 25 grams of sterile matrix to stomacher bag, add 225 mL of laboratory supplied enrichment broth and then add a single sample pellet to the stomacher bag. Process and analyze according to your normal laboratory procedures. Report present or absent for each sample set. Three different series available per study.

Type	Part #
Meat Matrix	FMPT-022M
Dairy Matrix	FMPT-022D

Qualitative Salmonella Set

A three sample set for qualitative identification of Salmonella spp. Set is designed to mimic typical FDA BAM and USDA MLG sample handling procedures. Each set contains 3 x 25 grams of sterile matrix (beef powder or skim milk powder) and three individually packaged lyophilized microorganism pellets. At least one of three of the sample pellets will be positive for Salmonella.

To use, transfer on 25 gram sterile matrix to a stomacher bag, add 225 mL of your in-house enrichment broth and then add a single sample pellet to the stomacher bag. Process and analyze according to your normal laboratory procedures. Report present or absent for each sample set. Three different series available per study.

Type	Part #
Meat Matrix	FMPT-023M
Dairy Matrix	FMPT-023D

Environmental Swab - Listeria spp.

A 5 sample panel for qualitative listeria identification of Listeria spp. in environmental swabs. Each panel is supplied with 5 inoculated swabs and five 4”x4” sterile swabbing surfaces. At least 2 of 5 inoculated swabs will be positive for Listeria spp. Acceptable evaluation is 4 of 5 correct with no false negatives. Listeria species utilized for this panel is Listeria ivanovii.

Part #
FMPT-018

Qualitative *E. coli* 0157:H7 Set

A three sample set for qualitative identification of *E. coli* 0157:H7. Set is designed to mimic typical FDA BAM and USDA MLG sample handling procedures. Each set contains 3 x 25 grams of sterile matrix (beef powder or skim milk powder) and three individually packaged lyophilized microorganism pellets. At least one of the three pellets will be positive for *E. coli* O157:H7.

To use, transfer on 25 gram sterile matrix to a stomacher bag, add 225 mL of your in-house enrichment broth and then add a single sample pellet to the stomacher bag. Process and analyze according to your normal laboratory procedures. Report present or absent for each sample set. Three different series available per study. Not for international sale. ECCN restrictions apply.

Type	Part #
Meat Matrix	FMPT-025M
Dairy Matrix	FMPT-025D

Environmental Swab - *E. coli* 0157:H7

A five sample panel for qualitative identification of *E. coli* O157:H7 in environmental swabs. Each panel is supplied with 5 inoculated swabs and five 4”x4” sterile swabbing surfaces. At least 2 of 5 inoculated swabs will be positive for *E. coli* O157:H7. Acceptable evaluation is 4 of 5 correct with no false negatives. Not for international sale. ECCN restrictions apply.

Part #
FMPT-021

Environmental Swab - Salmonella spp.

A five sample panel for qualitative identification of Salmonella spp. in environmental swabs. Each panel is supplied with 5 inoculated swabs and five 4”x4” sterile swabbing surfaces. At least 2 of 5 inoculated swabs will be positive for Salmonella spp. Acceptable evaluation is 4 of 5 correct with no false negatives.

Part #
FMPT-019

Environmental Swab - Listeria monocytogenes

A five sample panel for qualitative identification of L. monocytogenes in environmental swabs. Each panel is supplied with 5 inoculated swabs and five 4”x4” sterile swabbing surfaces. At least 2 of 5 inoculated swabs will be positive for L. monocytogenes. Acceptable evaluation is 4 of 5 correct with no false negatives.

Part #
FMPT-020

Environmental Swab - Listeria sp.

A five sample panel for qualitative identification of Listeria spp. in environmental swabs. Each panel is supplied with 5 inoculated swabs and five 4”x4” sterile swabbing surfaces. At least 2 of 5 inoculated swabs will be positive for Listeria spp. Acceptable evaluation is 4 of 5 correct with no false negatives. Listeria species utilized for this panel is Listeria ivanovii.

Part #
FMPT-018

Qualitative Staph Enterotoxins

A five sample set for qualitative identification of Staphylococcus aureus enterotoxins in food matrices. Each set contains 5 x 10 grams of beef or 5 x 30 mL skim milk powder or dried egg powder. At least two of the five will be positive for S. aureus enterotoxins. Three different series available per study. This product is currently not covered under our ANAB scope.

Type	Part #
Dairy Matrix	FMPT-030D
Egg Matrix	FMPT-030E
Meat Matrix	FMPT-030M

Qualitative Psychrotrophic Bacteria

A five sample set for qualitative identification of Psychotrophic bacteria. Samples provided in individually packaged lyophilized pellets. At least two of the five vials will be positive for Psychotrophic bacteria. Three different series available per study.

Type	Part #
Buffer Matrix	FMPT-028
Dairy Matrix	FMPT-028D

Qualitatitve Swab - APC on Surface

A five sample panel for qualitative identification of APC on Surface. Each panel is supplied with 5 inoculated swabs and five 4”x4” sterile swabbing surfaces. At least two of the five inoculated swabs will be positive for APC on Surface. Acceptable evaluation is 4 of 5 correct with no false negatives.

Part #
FMPT-029

Food Chemistry Proficiency Testing

Proximates and Elements in Food

The PT material is typically a grain flour or cereal blend intended for analysis of pH, ash, % moisture, total fat, total protein, total dietary fiber, carbohydrates, vitamins, minerals/elements, water activity, and salt. Approximately 50 grams per bottle. Supplied in duplicate.

Part #
FCPT-001

Qualitative Allergens Panels

Each panel includes 3 samples with at least 1 sample containing the allergen of interest at a level close to regulatory threshold. Verified to work with various test technologies. Each vial contains approximately 10 grams of material, 3 distinct series of each panel are available each study.

Type	Part #
Qualitative Gluten	FCPT-007
Qualitative Peanut	FCPT-008
Qualitative Egg	FCPT-009
Qualitative Milk	FCPT-010
Qualitative Crustacean	FCPT-011
Qualitative Soy	FCPT-012

pH and Titratable Acidity in Dairy

The PT material is typically a skim milk. Analyze for pH and titratable acidity. Supplied in 2 x 100 mL bottles.

Part #
FCPT-013

Meat Homogenate

The PT material is typically a homogenized ground beef, pork, chicken, or turkey. The material is lyophilized for stability and ease of handling. Analyze for pH, ash, moisture, total fat, minerals, total protein, cholesterol, and salt. Approximately 50 grams per bottle. Supplied in duplicate.

Part #
FCPT-005

Gluten in Food Product

A quantitative single sample of gluten in rice flour in the range of 10-200 mg/kg. Applicable for Neogen Veratox, 3M and r-Biopharm methods. This product is currently not covered under our ANAB scope.

Part #
FCPT-021

2024 Food Science Study Schedule

Study Number	Study Opens	Study Closes
FS-0224	Feb. 13	March 28
FS-0524	May 7	June 20
FS-0824	Aug. 6	Sept. 19
FS-1124	Nov. 4	Dec. 18

DMRQA-44 Order Form

To Determine Proper Shipping, Please Check One of the Following:

Is Your Company:

☐ Contract Lab USEPA Labcode

☐ Permittee Permittee # /USEPA Labcode

Fill in Shipping and Billing Information

Shipping	Billing
Co/Organization	Co/Organization
Contact Name	Contact Name
Address	Address
City	City
State Zip	State Zip
Phone	
Email	
Fax	

Complete Order Section (All PT Samples Are Supplied in Duplicate)

NSI Lab Solutions Standard	DMRQA			QC Standards			Total Price
	Catalog #	Price	Qty.	Catalog #	Price	Qty.	
Trace Metals	PEI-034	$80.00		QCI-034	$66.00		
Nitrite as N	PEI-100	$60.00		QCI-100	$52.00		
Settleable Solids	PEI-126	$62.00		QCI-126	$59.00		
Turbidity	PEI-092	$63.00		QCI-092	$59.00		
Hexavalent Chromium	PEI-095	$64.00		QCI-095	$60.00		
Mercury	PEI-087	$56.00		QCI-087	$49.00		
Demand – BOD, CBOD, COD, TOC	PEI-026	$64.00		QCI-026	$59.00		
Simple Nutrients – NO3 as N, NH3 as N, Ortho-PO4	PEI-138	$58.00		QCI-138	$52.00		
Complex Nutrients – TKN, Total Phosphorus	PEI-139	$56.00		QCI-139	$52.00		
Total Cyanide	PEI-031	$63.00		QCI-031	$59.00		
Residue TSS and Total Solids	PEI-079	$71.00		QCI-079	$64.00		
Oil and Grease	PEI-029	$58.00		QCI-029	$52.00		
Total Residual Chlorine	PEI-033	$58.00		QCI-033	$52.00		
pH	PEI-035	$54.00		QCI-035	$44.00		
Total Phenolics	PEI-032	$57.00		QCI-032	$52.00		
Minerals – K, Cl, F, Na, SO4, TDS, Conductivity, Alkalinity	PEI-136	$89.00		QCI-136	$82.00		
Hardness – Ca, Mg, Ca Hardness, Total Hardness	PEI-137	$67.00		QCI-137	$63.00		
Trace Level Mercury	PEO-137	$92.00		QCO-137	$85.00		
Low Level Total Residual Chlorine	PEI-096	$71.00		QCI-096	$62.00		
DMRQA Set Not including Nitrite as N, Minerals, Hardness, Trace Level Mercury, Low Level Total Residual Chlorine, Hexavalent Chromium, Turbidity, Settleable Solids, & Total/Fecal Coliform.	PEI-082K	$670.00		QCI-082K	$605.00		
DMRQA Set 1 – Residue, pH, & Total Residual Chlorine	PEI-083K	$180.00		QCI-083K	$161.00		
DMRQA Set 2 – Residue, pH, & Demand	PEI-084K	$190.00		QCI-084K	$165.00		
DMRQA Set 3 – Residue, pH, Demand, & Total Residual Chlorine	PEI-085K	$247.00		QCI-085K	$218.00		
Coliforms/*E.coli* Supplied in Duplicate/Overnight shipping only	MIC-003	$138.00		MIC-QC2	$134.00		
						Subtotal	
						Shipping & Handling Charge	+ $37.00*
						Overnight Charge (Micro Only)	+ $90.00*
						NC Sales Tax	
						TOTAL	

**Shipping charges are subject to change based location and weight.*

Complete Payment Information

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Charge: ☐ Visa ☐ MasterCard ☐ AmEX ☐ Discover

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