PROFICIENCY TESTING FOR QUALITATIVE & QUANTITATIVE PERFORMANCE

2026

Proficiency Testing Standards

- Environmental
- Cannabis & Hemp
- Food & Agriculture

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NSI Lab Solutions

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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.

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!

2026 NSI Proficiency Studies

2026 NPW Chemistry PT Schedule

Study Number	Study Opens	Study Closes
WP-313*	Jan. 21	March 06
WP-314	March 11	April 24
WP-315*	April 15	May 29
WP-316	May 06	June 19
WP-317*	July 15	Aug. 28
WP-318[1]	Aug. 05	Sept. 18
WP-319*	Oct. 07	Nov. 20
WP-320	Nov. 04	Dec. 18

**Denoted full organic and inorganic PT schemes are available during the study. All others are inorganic only PT studies. [1]This study number complies with NJ DEP September non-potable water PT study schedule.*

2026 NPW Microbiological PT Schedule

Study Number	Study Opens	Study Closes
MP-213	Jan. 14	Feb. 27
MP-214[1]	March 09	April 22
MP-215	April 08	May 22
MP-216	July 06	Aug. 19
MP-217[2]	Sept. 02	Oct. 16
MP-218	Oct. 19	Dec. 02

[1]This study number complies with NJ DEP March non-potable water PT study schedule. [2]This study number complies with NJ DEP September non-potable water PT study schedule.

2026 DMRQA-46 Schedule

Study Number	Study Opens	Study Closes
DMRQA-46	TBD	TBD

DMRQA study schedule will be posted on the website when announced by the US EPA.

2026 Hemp Cannabis Science PT Schedule

Study Number	Study Opens	Study Closes
HEMP-0326	March 18	May 01
HEMP-0926	Sept. 23	Nov. 06

2026 Food Science PT Schedule

Study Number	Study Opens	Study Closes
FS-0226	Feb. 11	March 27
FS-0526	May 13	June 26
FS-0826	Aug. 12	Sept. 25
FS-1126	Nov. 16	Dec. 30

2026 WS Chemistry PT Schedule

Study Number	Study Opens	Study Closes
WS-145[1]	Jan. 07	Feb. 20
WS-146	April 01	May 15
WS-147[2]	July 01	Aug. 14
WS-148	Oct. 12	Nov. 25

[1]This study number complies with NJ DEP March drinking water PT study schedule. [2]This study number complies with NJ DEP July drinking water PT study schedule.

2026 WS Microbiological PT Schedule

Study Number	Study Opens	Study Closes
MS-257[1]	Jan. 05	Feb. 18
MS-258*	March 04	April 17
MS-259	March 30	May 13
MS-260*	June 03	July 17
MS-261[2]	July 08	Aug. 21
MS-262*	Sept. 09	Oct. 23
MS-263	Oct. 05	Nov. 18
MS-264*	Nov. 09	Dec. 23

** MIC-002, MIC-006, MIC-007, MIC-009 are not available during these studies. [1]This study number complies with NJ DEP March drinking water PT study schedule. [2]This study number complies with NJ DEP July drinking water PT study schedule.*

2026 UST PT Schedule

Study Number	Study Opens	Study Closes
UST-127	Feb. 04	March 20
UST-128[1]	March 25	May 08
UST-129	Aug. 19	Oct. 02
UST-130	Oct. 21	Dec. 04

[1]This study number complies with NJ DEP April solid/chemical matrix PT study schedule.

2026 Soil/Hazardous Waste PT Schedule

Study Number	Study Opens	Study Closes
SM-148	Feb. 04	March 20
SM-149[1]	March 25	May 08
SM-150	Aug. 19	Oct. 02
SM-151	Oct. 21	Dec. 04

[1]This study number complies with NJ DEP April solid/chemical matrix PT study schedule.

Study open dates are the dates that samples begin shipping to customers. Study closures occur at midnight eastern time (GMT-5) on the study close date. Results must be entered prior to the study closure.

PT Datalink

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- Simplified online data entry and modification screens.
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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 1-800-274-5487 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 2-3 business days. We will also submit your PT report to one or multiple accreditation agencies at no additional charge.

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 The Nelac Institute (TNI) non-potable water (NPW) fields of testing. Provided in duplicate, each ampule produces at least one liter of sample (with the exception of volatile organic compounds (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

Scheduled PT	QC CRM	PT Express
PEO-120	QCO-120	QCO-120B

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

Scheduled PT	QC CRM	PT Express
PEO-020	QCO-020	QCO-020B

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		

Scheduled PT	QC CRM	PT Express
PEO-121	QCO-121	QCO-121B

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

Scheduled PT	QC CRM	PT Express
PEO-022	QCO-022	QCO-022B

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.

Scheduled PT	QC CRM	PT Express
PEO-100	QCO-100	QCO-100B

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
trans-Chlordane	1.0-10 µg/L

Scheduled PT	QC CRM	PT Express
PEO-122	QCO-122	QCO-122B

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.

Scheduled PT	QC CRM	PT Express
PEO-094	QCO-094	QCO-094B

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.

Scheduled PT	QC CRM	PT Express
PEO-024-2	QCO-024-2	QCO-024-2B

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

Scheduled PT	QC CRM	PT Express
PEO-135	QCO-135	QCO-135B

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.

Scheduled PT	QC CRM	PT Express
PEO-136	QCO-136	QCO-136B

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.

Scheduled PT	QC CRM	PT Express
PEO-072	QCO-072	QCO-072B

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

Scheduled PT	QC CRM	PT Express
PEO-150	QCO-150	QCO-150B

NPW – Toxaphene

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

Scheduled PT	QC CRM	PT Express
PEO-093	QCO-093	QCO-093B

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.

Scheduled PT	QC CRM	PT Express
PEO-103	QCO-103	QCO-103B

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

Scheduled PT	QC CRM	PT Express
PEO-119	QCO-119	QCO-119B

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.

Scheduled PT	QC CRM	PT Express
PEO-101	QCO-101	QCO-101B

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.

Scheduled PT	QC CRM	PT Express
PEO-102	QCO-102	QCO-102B

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

Scheduled PT	QC CRM	PT Express
PEO-104	QCO-104	QCO-104B

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

Scheduled PT	QC CRM
PEO-025K	QCO-025K

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	

Scheduled PT	QC CRM
PEO-062K	QCO-062K

2026 NPW Chemistry PT Schedule

Study Number	Study Opens	Study Closes
WP-313*	Jan. 21	March 06
WP-314	March 11	April 24
WP-315*	April 15	May 29
WP-316	May 06	June 19
WP-317*	July 15	Aug. 28
WP-318[1]	Aug. 05	Sept. 18
WP-319*	Oct. 07	Nov. 20
WP-320	Nov. 04	Dec. 18

**Denoted full organic and inorganic PT schemes are available during the study. All others are inorganic only PT studies. [1]This study number complies with NJ DEP September non-potable water PT study schedule.*

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

Scheduled PT	QC CRM	PT Express
PEI-026	QCI-026	QCI-026B

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

Scheduled PT	QC CRM	PT Express
PEI-136	QCI-136	QCI-136B

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

Scheduled PT	QC CRM	PT Express
PEI-137	QCI-137	QCI-137B

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.

Scheduled PT	QC CRM	PT Express
PEI-033	QCI-033	QCI-033B

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

Scheduled PT	QC CRM	PT Express
PEI-138	QCI-138	QCI-138B

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

Scheduled PT	QC CRM	PT Express
PEI-139	QCI-139	QCI-139B

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.

Scheduled PT	QC CRM	PT Express
PEI-029	QCI-029	QCI-029B

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.

Scheduled PT	QC CRM	PT Express
PEI-031	QCI-031	QCI-031B

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.

Scheduled PT	QC CRM	PT Express
PEI-032	QCI-032	QCI-032B

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

Scheduled PT	QC CRM	PT Express
PEI-034	QCI-034	QCI-034B

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.

Scheduled PT	QC CRM	PT Express
PEI-087	QCI-087	QCI-087B

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.

Scheduled PT	QC CRM	PT Express
PEI-095	QCI-095	QCI-095B

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.

Scheduled PT	QC CRM	PT Express
PEI-079	QCI-079	QCI-079B

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.

Scheduled PT	QC CRM	PT Express
PEI-126	QCI-126	QCI-126B

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.

Scheduled PT	QC CRM	PT Express
PEI-092	QCI-092	QCI-092B

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.

Scheduled PT	QC CRM	PT Express
PEI-100	QCI-100	QCI-100B

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.

Scheduled PT	QC CRM	PT Express
PEI-035	QCI-035	QCI-035B

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.

Scheduled PT	QC CRM	PT Express
PEI-110	QCI-134	QCI-134B

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.

Scheduled PT	QC CRM	PT Express
PEI-127	QCI-127	QCI-127B

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.

Scheduled PT	QC CRM	PT Express
PEI-086	QCI-086	QCI-086B

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.

Scheduled PT	QC CRM	PT Express
PEI-101	QCI-101	QCI-101B

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.

Scheduled PT	QC CRM	PT Express
PEI-124	QCI-124	QCI-124B

NPW - Acidity

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

Scheduled PT	QC CRM	PT Express
PEI-099	QCI-099	QCI-099B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

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.

Scheduled PT	QC CRM	PT Express
PEI-104	QCI-104	QCI-104B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

NPW - Color

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

Scheduled PT	QC CRM	PT Express
PEI-130	QCI-130	QCI-130B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

NPW - Ignitability

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

Scheduled PT	QC CRM	PT Express
PEI-191	QCI-191	QCI-191B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

NPW - Dissolved Oxygen

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

Scheduled PT	QC CRM	PT Express
PEI-192	QCI-192	QCI-192B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

NPW - Salinity

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

Scheduled PT	QC CRM	PT Express
PEI-198	QCI-198	QCI-198B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

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.

Scheduled PT	QC CRM	PT Express
PEI-199	QCI-199	QCI-199B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

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.

Scheduled PT	QC CRM	PT Express
PEI-096	QCI-096	QCI-096B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

NPW Inorganics Proficiency Testing Studies

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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.

Scheduled PT	QC CRM	PT Express
PEI-146	QCI-146	QCI-146B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

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.

Scheduled PT	QC CRM	PT Express
PEI-129	QCI-129	QCI-129B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

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.

Scheduled PT	QC CRM	PT Express
PEO-137	QCO-137	QCO-137B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

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.

Scheduled PT	QC CRM	PT Express
PEI-180	QCI-190	QCI-190B

NOTE: Available in studies WP-313, WP-315, WP-317, WP-319

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		

Scheduled PT	QC CRM
PEI-035K	QCI-035K

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	

Scheduled PT	QC CRM
PEI-037K	QCI-035K

2026 NPW Chemistry PT Schedule

Study Number	Study Opens	Study Closes
WP-313*	Jan. 21	March 06
WP-314	March 11	April 24
WP-315*	April 15	May 29
WP-316	May 06	June 19
WP-317*	July 15	Aug. 28
WP-318[1]	Aug. 05	Sept. 18
WP-319*	Oct. 07	Nov. 20
WP-320	Nov. 04	Dec. 18

**Denoted full organic and inorganic PT schemes are available during the study. All others are inorganic only PT studies. [1]This study number complies with NJ DEP September non-potable water PT study schedule.*

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.

Scheduled PT	QC CRM	PT Express
MIC-003	MIC-QC2	MIC-QC2B

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.

Scheduled PT	QC CRM	PT Express
MIC-004	MIC-QC5	MIC-QC5B

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.

Scheduled PT	QC CRM	PT Express
MIC-010	MIC-QC15	MIC-QC15B

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.

Scheduled PT	QC CRM	PT Express
MIC-014	MIC-QC16	MIC-QC16B

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.

Scheduled PT	QC CRM	PT Express
MIC-015	MIC-QC17	MIC-QC17B

NOTE: Available in studies MP-213, MP-215, MP-216, MP-218

2026 NPW Microbiological PT Schedule

Study Number	Study Opens	Study Closes
MP-213	Jan. 14	Feb. 27
MP-214[1]	March 09	April 22
MP-215	April 08	May 22
MP-216	July 06	Aug. 19
MP-217[2]	Sept. 02	Oct. 16
MP-218	Oct. 19	Dec. 02

[1]This study number complies with NJ DEP March non-potable water PT study schedule. [2]This study number complies with NJ DEP September non-potable water PT study schedule.

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	10662-20
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

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-46

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

Scheduled PT	QC CRM	PT Express
PEI-026	QCI-026	QCI-026B

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

Scheduled PT	QC CRM	PT Express
PEI-137	QCI-137	QCI-137B

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

Scheduled PT	QC CRM	PT Express
PEI-139	QCI-139	QCI-139B

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.

Scheduled PT	QC CRM	PT Express
PEI-031	QCI-031	QCI-031B

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

Scheduled PT	QC CRM	PT Express
PEI-136	QCI-136	QCI-136B

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

Scheduled PT	QC CRM	PT Express
PEI-138	QCI-138	QCI-138B

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.

Scheduled PT	QC CRM	PT Express
PEI-029	QCI-029	QCI-029B

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.

Scheduled PT	QC CRM	PT Express
PEI-032	QCI-032	QCI-032B

DMRQA-46

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.

Scheduled PT	QC CRM	PT Express
MIC-003	MIC-QC2	MIC-QC2B

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.

Scheduled PT	QC CRM	PT Express
PEI-033	QCI-033	QCI-033B

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

Scheduled PT	QC CRM	PT Express
PEI-034	QCI-034	QCI-034B

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.

Scheduled PT	QC CRM	PT Express
PEI-079	QCI-079	QCI-079B

pH

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

Scheduled PT	QC CRM	PT Express
PEI-035	QCI-035	QCI-035B

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.

Scheduled PT	QC CRM	PT Express
PEI-087	QCI-087	QCI-087B

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.

Scheduled PT	QC CRM	PT Express
PEI-095	QCI-095	QCI-095B

DMRQA-46

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.

Scheduled PT	QC CRM	PT Express
PEI-100	QCI-100	QCI-100B

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.

Scheduled PT	QC CRM	PT Express
PEI-126	QCI-126	QCI-126B

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.

Scheduled PT	QC CRM	PT Express
PEI-092	QCI-092	QCI-092B

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.

Scheduled PT	QC CRM	PT Express
PEO-137	QCO-137	QCO-137B

Low-Level Total Residual Chlorine

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

Scheduled PT	QC CRM	PT Express
PEI-096	QCI-096	QCI-096B

Full DMRQA Set

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

Scheduled PT	QC CRM
PEI-082K	QCI-082K

DMRQA Set 1

Residue
pH
Total Residual Chlorine

Scheduled PT	QC CRM
PEI-083K	QCI-083K

DMRQA Set 2

Residue
pH
Demand

Scheduled PT	QC CRM
PEI-084K	QCI-084K

DMRQA Set 3

Residue	pH
Demand	Total Residual Chlorine

Scheduled PT	QC CRM
PEI-085K	QCI-085K

2026 DMRQA-46 Schedule

Study Number	Study Opens	Study Closes
DMRQA-46	TBA	TBA

DMRQA study schedule will be posted on the website when announced by the US EPA.

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
Aldicarb sulfone	15-100 µg/L
Aldicarb sulfoxide	15-80 µg/L
Carbofuran	15-150 µg/L
Methomyl	15-100 µg/L

Baygon	30-140 µg/L
Carbaryl	15-100 µg/L
3-Hydroxy carbofuran	15-80 µg/L
Methiocarb	30-140 µg/L
Oxamyl	15-100 µg/L

Scheduled PT	QC CRM	PT Express
PEO-001	QCO-001	QCO-001B

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.

Scheduled PT	QC CRM	PT Express
PEO-005-5	QCO-005-5	QCO-005-5B

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.

Scheduled PT	QC CRM	PT Express
PEO-005-6	QCO-005-6	QCO-005-6B

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
Bentazon	10-140 µg/L
Chloramben	20-100 µg/L
2,4-D	10-100 µg/L
2,4-DB	20-120 µg/L
DCPA	20-100 µg/L
Dalapon	10-100 µg/L
2,4,5-TP	10-100 µg/L

Dichloroprop	10-100 µg/L
Dinoseb	7-70 µg/L
Dicamba	20-100 µg/L
3,5-Dichlorobenzoic acid	10-100 µg/L
Pentachlorophenol	1-25 µg/L
Picloram	10-100 µg/L
2,4,5-T	10-100 µg/L

Scheduled PT	QC CRM	PT Express
PEO-123	QCO-123	QCO-123B

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

Scheduled PT	QC CRM	PT Express
PEO-005-12	QCO-005-12	QCO-005-12B

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

Scheduled PT	QC CRM	PT Express
PEO-005-3	QCO-005-3	QCO-005-3B

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

Scheduled PT	QC CRM	PT Express
PEO-002	QCO-002	QCO-002B

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

Scheduled PT	QC CRM	PT Express
PEO-006	QCO-006	QCO-006B

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

Scheduled PT	QC CRM	PT Express
PEO-007-12	QCO-007-12	QCO-007-12B

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

Scheduled PT	QC CRM	PT Express
PEO-007-3	QCO-007-3	QCO-007-3B

WS Organics Proficiency Testing Studies

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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.

Scheduled PT	QC CRM	PT Express
PEO-003	QCO-003	QCO-003B

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

Scheduled PT	QC CRM	PT Express
PEO-007-4	QCO-007-4	QCO-007-4B

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

Scheduled PT	QC CRM	PT Express
PEO-097	QCO-097	QCO-097B

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

Scheduled PT	QC CRM	PT Express
PEO-098	QCO-098	QCO-098B

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.

Scheduled PT	QC CRM	PT Express
PEO-077	QCO-077	QCO-077B

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

Scheduled PT	QC CRM	PT Express
PEO-099	QCO-099	QCO-099B

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.

Scheduled PT	QC CRM	PT Express
PEO-075	QCO-075	QCO-075B

2026 WS Chemistry PT Schedule

Study Number	Study Opens	Study Closes
WS-145[1]	Jan. 07	Feb. 20
WS-146	April 01	May 15
WS-147[2]	July 01	Aug. 14
WS-148	Oct. 12	Nov. 25

[1]This study number complies with NJ DEP March drinking water PT study schedule. [2]This study number complies with NJ DEP July drinking water PT study schedule.

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

Scheduled PT	QC CRM
PEO-010K	QCO-010K

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

Scheduled PT	QC CRM
PEO-009K	QCO-009K

2026 WS Chemistry PT Schedule

Study Number	Study Opens	Study Closes
WS-145[1]	Jan. 07	Feb. 20
WS-146	April 01	May 15
WS-147[2]	July 01	Aug. 14
WS-148	Oct. 12	Nov. 25

[1]This study number complies with NJ DEP March drinking water PT study schedule. [2]This study number complies with NJ DEP July drinking water PT study schedule.

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.

Scheduled PT	QC CRM	PT Express
PEI-012	QCI-012	QCI-012B

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

Scheduled PT	QC CRM	PT Express
PEI-013	QCI-013	QCI-013B

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.

Scheduled PT	QC CRM	PT Express
PEI-015	QCI-015	QCI-015B

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.

Scheduled PT	QC CRM	PT Express
PEI-014	QCI-014	QCI-014B

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

Scheduled PT	QC CRM	PT Express
PEI-016	QCI-016	QCI-016B

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

Scheduled PT	QC CRM	PT Express
PEI-017	QCI-017	QCI-017B

WS - pH

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

Scheduled PT	QC CRM	PT Express
PEI-083	QCI-083	QCI-083B

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.

Scheduled PT	QC CRM	PT Express
PEI-088	QCI-088	QCI-088B

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.

Scheduled PT	QC CRM	PT Express
PEI-140	QCI-140	QCI-140B

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

Scheduled PT	QC CRM	PT Express
PEI-145	QCI-145	QCI-145B

WS - Corrosivity

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

Scheduled PT	QC CRM	PT Express
PEI-142	QCI-142	QCI-142B

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.

Scheduled PT	QC CRM	PT Express
PEI-144	QCI-144	QCI-144B

WS - Nitrate

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

Scheduled PT	QC CRM	PT Express
PEI-195	QCI-195	QCI-195B

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.

Scheduled PT	QC CRM	PT Express
PEI-091	QCI-091	QCI-091B

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.

Scheduled PT	QC CRM	PT Express
PEI-141	QCI-141	QCI-141B

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

Scheduled PT	QC CRM	PT Express
PEI-041	QCI-041	QCI-041B

WS - Uranium

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

Scheduled PT	QC CRM	PT Express
PEI-143	QCI-143	QCI-143B

WS - Fluoride

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

Scheduled PT	QC CRM	PT Express
PEI-193	QCI-193	QCI-193B

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.

Scheduled PT	QC CRM	PT Express
PEI-073	QCI-073	QCI-073B

WS - UV254 Absorbance

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

Scheduled PT	QC CRM	PT Express
PEI-085	QCI-085	QCI-085B

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.

Scheduled PT	QC CRM	PT Express
PEI-128	QCI-128	QCI-128B

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.

Scheduled PT	QC CRM
PEI-194	QCI-194

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.

Scheduled PT	QC CRM	PT Express
PEI-197	QCI-197	QCI-197B

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.

Scheduled PT	QC CRM	PT Express
PEI-108	QCI-108	QCI-108B

WS - Color

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

Scheduled PT	QC CRM	PT Express
PEI-131	QCI-131	QCI-131B

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

Scheduled PT	QC CRM
PEI-018K	QCI-019K

EPA WS Inorganics Kit

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

Scheduled PT	QC CRM
PEI-020K	QCI-018K

2026 WS Chemistry PT Schedule

Study Number	Study Opens	Study Closes
WS-145[1]	Jan. 07	Feb. 20
WS-146	April 01	May 15
WS-147[2]	July 01	Aug. 14
WS-148	Oct. 12	Nov. 25

[1]This study number complies with NJ DEP March drinking water PT study schedule. [2]This study number complies with NJ DEP July drinking water PT study schedule.

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.

Scheduled PT	QC CRM	PT Express
MIC-001	MIC-QC4	MIC-QC4B

**Please note you can only report quantitative results quarterly (MS-257, MS-259, MS-261, MS-263).*

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.

Scheduled PT	QC CRM	PT Express
MIC-002	MIC-QC3	MIC-QC3B

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.

Scheduled PT	QC CRM	PT Express
MIC-006	MIC-QC6	MIC-QC6B

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.

Scheduled PT	QC CRM	PT Express
MIC-007	MIC-QC13	MIC-QC13B

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.

Scheduled PT	QC CRM	PT Express
MIC-009	MIC-QC14	MIC-QC14B

2026 WS Microbiological PT Schedule

Study Number	Study Opens	Study Clses
MS-257[1]	Jan. 05	Feb. 18
MS-258*	March 04	April 17
MS-259	March 30	May 13
MS-260*	June 03	July 17
MS-261[2]	July 08	Aug. 21
MS-262*	Sept. 09	Oct. 23
MS-263	Oct. 05	Nov. 18
MS-264*	Nov. 09	Dec. 23

**MIC-002, MIC-006, MIC-007, and MIC-009 are not available during these studies. [1]This study number complies with NJ DEP March drinking water PT study schedule. [2]This study number complies with NJ DEP July drinking water PT study schedule.*

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. 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	10662-20
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

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.

Scheduled PT	QC CRM	PT Express
PE-113	QC-113	QC-113B

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.

Scheduled PT	QC CRM	PT Express
PE-114	QC-114	QC-114B

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.

Scheduled PT	QC CRM	PT Express
PE-115	QC-115	QC-115B

TPH in Water

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

Scheduled PT	QC CRM	PT Express
PE-116	QC-116	QC-116B

Texas TPH in Water

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

Scheduled PT	QC CRM	PT Express
TX-1005WPT	TX-1005WQC	TX-1005WQCB

2026 UST PT Schedule

Study Number	Study Opens	Study Closes
UST-127	Feb. 04	March 20
UST-128[1]	March 25	May 08
UST-129	Aug. 19	Oct. 02
UST-130	Oct. 21	Dec. 04

[1]This study number complies with NJ DEP April solid/chemical matrix PT study schedule.

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.

Scheduled PT	QC CRM	PT Express
SPE-113	SQC-113	SQC-113B

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.

Scheduled PT	QC CRM	PT Express
SPE-114	SQC-114	SQC-114B

Diesel in Soil

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

Scheduled PT	QC CRM	PT Express
SPE-115	SQC-115	SQC-115B

TPH in Soil

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

Scheduled PT	QC CRM	PT Express
SPE-116	SQC-116	SQC-116B

Texas TPH in Soil

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

Scheduled PT	QC CRM	PT Express
TX-1005SPT	TX-1005SQC	TX-1005SQCB

2026 UST PT Schedule

Study Number	Study Opens	Study Closes
UST-127	Feb. 04	March 20
UST-128[1]	March 25	May 08
UST-129	Aug. 19	Oct. 02
UST-130	Oct. 21	Dec. 04

[1]This study number complies with NJ DEP April solid/chemical matrix PT study schedule.

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.

Scheduled PT	QC CRM	PT Express
SPEI-001	SQCI-001	SQCI-001B

Hexavalent Chromium

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

Scheduled PT	QC CRM	PT Express
SPEI-003	SQCI-003	SQCI-003B

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	

Scheduled PT	QC CRM	PT Express
SPEI-005	SQCI-005	SQCI-005B

Flash Point

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

Scheduled PT	QC CRM	PT Express
SPEI-014	SQCI-014	SQCI-014B

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

Scheduled PT	QC CRM	PT Express
SPEI-015	SQCI-015	SQCI-015B

Cyanide in Soil

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

Scheduled PT	QC CRM	PT Express
SPEI-017	SQCI-017	SQCI-017B

Reactive Cyanide

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

Scheduled PT	QC CRM	PT Express
SPEI-013	SQCI-013	SQCI-013B

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

Scheduled PT	QC CRM	PT Express
SPEO-019	SQCO-019	SQCO-019B

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.

Scheduled PT	QC CRM	PT Express
SPEO-009	SQCO-009	SQCO-009B

Corrosivity

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

Scheduled PT	QC CRM	PT Express
SPEI-012	SQCI-012	SQCI-012B

Oil and Grease in Soil

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

Scheduled PT	QC CRM	PT Express
SPEI-037	SQCI-037	SQCI-037B

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.

Scheduled PT	QC CRM	PT Express
SPEO-004	SQCO-004	SQCO-004B

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.

Scheduled PT	QC CRM	PT Express
SPEO-005	SQCO-005	SQCO-005B

2026 Soil/Hazardous Waste PT Schedule

Study Number	Study Opens	Study Closes
SM-148	Feb. 04	March 20
SM-149[1]	March 25	May 08
SM-150	Aug. 19	Oct. 02
SM-151	Oct. 21	Dec. 04

[1]This study number complies with NJ DEP April solid/chemical matrix PT study schedule.

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
	trans-Chlordane

Scheduled PT	QC CRM	PT Express
SPEO-003	SQCO-003	SQCO-003B

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

Scheduled PT	QC CRM	PT Express
SPEO-006	SQCO-006	SQCO-006B

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
2,3,4,6-Tetrachlorophenol	4-Nitrophenol	Dimethyl phthalate	Nitrobenzene
2,3,5,6-Tetrachlorophenol	4-Nitroquineoline-1-oxide	Dinoseb	o,o,o-Triethylphoshorothioate
2,3-Dichloroaniline	5-Nitro-o-toluidine	Diphenyl ether	o-Dinitrobenzene
2,4,5-Trichlorophenol	7,12-Dimethylbenz(a)anthracene	Diphenylamine	o-Toluidine
2,4,6-Trichlorophenol	a,a-Dimethylphenylamine	Disulfoton	p-Dimethylaminoazobenzene
2,4-Dichlorophenol	Acenaphthene	Ethyl ethanesulfonate	p-Dinitrobenzene
2,4-Dimethylphenol	Acenaphthylene	Famphur	p-Phenylenediamine
2,4-Dinitrophenol	Acetophenone	Fluoranthene	Parathion
2,4-Dinitrotoluene	Aniline	Fluorene	Pentachlorobenzene
2,6-Dichlorophenol	Anthracene	Hexachlorobenzene	Pentachlorohexane
2,6-Dinitrotoluene	Atrazine	Hexachlorobutadiene	Pentachloronitrobenzene
2-Acetylaminofluorene	Benzaldehyde	Hexachlorocyclopentadiene	Pentachlorophenol
2-Amino-1-methylbenzene	Benzidine	Hexachloroethane	Phenacetin
2-Chloronaphthalene	Benzo(a)anthracene	Hexachlorophene	Phenanthrene
2-Chlorophenol	Benzo(a)pyrene	Hexachloropropene	Phenol
2-Cyclohexyl-4,6-dinitrophenol	Benzo(b)fluoranthene	Indeno(1,2,3-c,d)pyrene	Phorate
2-Methylcholanthrene	Benzo(g,h,i)perylene	Isodrin	Pronamide
2-Methylnaphthalene	Benzo(k)fluoranthene	Isophorone	Pyrene
2-Methylphenol	Benzoic acid	Isosafrole	Pyridine
2-Naphthylamine	Benzyl alcohol	Kepone	Safrole
2-Nitroaniline	bis(2-Chloroethoxy)methane	m-Dinitrobenzene	Sulfotepp
2-Nitrophenol	bis(2-Chloroethyl)ether	Methapyrilene	Thionazin
2-Picoline	2,2'-Oxybis(1-Chloropropane)	Methyl methanesulfonate	

Scheduled PT	QC CRM	PT Express
SPEO-007	SQCO-007	SQCO-007B

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	

Scheduled PT	QC CRM	PT Express
SPEO-008L	SQCO-008L	SQCO-008LB

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	

Scheduled PT	QC CRM	PT Express
SPEO-008H	SQCO-008H	SQCO-008HB

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

Scheduled PT	QC CRM	PT Express
SPEI-011	SQCI-011	SQCI-011B

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

Scheduled PT	QC CRM	PT Express
SPEI-016	SQCI-016	SQCI-016B

2026 Soil/Hazardous Waste PT Schedule

Study Number	Study Opens	Study Closes
SM-148	Feb. 04	March 20
SM-149[1]	March 25	May 08
SM-150	Aug. 19	Oct. 02
SM-151	Oct. 21	Dec. 04

[1]This study number complies with NJ DEP April solid/chemical matrix PT study schedule.

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		

Scheduled PT	QC CRM	PT Express
SPEO-021	SQCO-021	SQCO-021B

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

Scheduled PT	QC CRM	PT Express
SPEO-015-BN	SQCO-015-BN	SQCO-015-BNB

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

Scheduled PT	QC CRM	PT Express
SPEO-015-HERB	SQCO-015-HERB	SQCO-015-HERB-B

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

Scheduled PT	QC CRM	PT Express
SPEO-015-PEST	SQCO-015-PEST	SQCO-015-PEST-B

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.

Scheduled PT	QC CRM	PT Express
SPEO-038	SQCO-038	SQCO-038B

PCBs in Transformer Oil

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

Scheduled PT	QC CRM	PT Express
SPEO-072	SQCO-072	SQCO-072B

Perchlorate in Soil

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

Scheduled PT	QC CRM	PT Express
SPEI-141	SQCI-141	SQCI-141B

Sulfide in Soil

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

Scheduled PT	QC CRM	PT Express
SPEI-018	SQCI-018	SQCI-018B

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.

Scheduled PT	QC CRM	PT Express
SPEI-140	SQCI-140	SQCI-140B

2026 Soil/Hazardous Waste PT Schedule

Study Number	Study Opens	Study Closes
SM-148	Feb. 04	March 20
SM-149[1]	March 25	May 08
SM-150	Aug. 19	Oct. 02
SM-151	Oct. 21	Dec. 04

[1]This study number complies with NJ DEP April solid/chemical matrix PT study schedule.

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

Scheduled PT	QC CRM
SPEO-015K	SQCO-015K

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 in Hemp Oil Matrix

Component	Package Size	Scheduled PT	QC CRM	PT Express
Aspergillus Mold	5 samples+ 1 DII	CMPT-033	CMQC-033	CMPT-033B
Listeria monocytogenes	5 samples+ 1 DII	CMPT-066	CMQC-066	CMPT-066B
Pseudomonas aeruginosa	5 samples+ 1 DII	CMPT-072	CMQC-072	CMPT-072B
Salmonella species	5 samples+ 1 DII	CMPT-027	CMQC-027	CMPT-027B
Siga toxin-producing *Escherichia coli* (STEC)	5 samples+ 1 DII	CMPT-030	CMQC-030	CMPT-030B
Stphylococcus aureus	5 samples+ 1 DII	CMPT-069	CMQC-069	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 in Edible Matrix

Component	Package Size	Scheduled PT	QC CRM	PT Express
Aspergillus Molds	5 samples+ 1 DII	CMPT-032	CMQC-032	CMPT-032B
Listeria monocytogenes	5 samples+ 1 DII	CMPT-065	CMQC-065	CMPT-065B
Pseudomonas aeruginosa	5 samples+ 1 DII	CMPT-071	CMQC-071	CMPT-071B
Salmonella species	5 samples+ 1 DII	CMPT-026	CMQC-026	CMPT-026B
Shiga toxin-producing *Escherichia coli* (STEC)	5 samples+ 1 DII	CMPT-029	CMQC-029	CMPT-029B
Staphylococcus aureus	5 samples+ 1 DII	CMPT-068	CMQC-068	CMPT-068B

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 in Hemp Matrix

Component	Package Size	Scheduled PT	QC CRM	PT Express
Aspergillus species	5 samples+ 1 DII	CMPT-031	CMQC-031	CMPT-031B
Escherichia coli	5 samples + 1 DI	CMPT-034	CMQC-034	CMPT-034B
Escherichia coli O157:H7	5 samples + 1 DI	CMPT-035*	CMQC-035	CMPT-035B
Listeria monocytogenes	5 samples + 1 DI	CMPT-064	CMQC-064	CMPT-064B
Pseudomonas aeruginosa	5 samples + 1 DI	CMPT-070	CMQC-070	CMPT-070B
Salmonella species	5 samples + 1 DI	CMPT-025	CMQC-025	CMPT-025B
Shiga toxin-producing *Escherichia coli* (STEC)	5 samples + 1 DI	CMPT-028*	CMQC-028	CMPT-028B
Staphylococcus aureus	5 samples + 1 DI	CMPT-067	CMQC-067	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 in Edible Matrix

Component	Package Size	Scheduled PT	QC CRM	PT Express
APC	2 Samples + 2 DI	CMPT-057	CMQC-057	CMPT-057B
BTGN / EB	2 Samples + 2 DI	CMPT-058	CMQC-058	CMPT-058B
Coliform/*Escherichia coli*	2 Samples + 2 DI	CMPT-038	CMQC-038	CMPT-038B
Yeast or Mold	2 Samples + 2 DI	CMPT-059	CMQC-059	CMPT-059B

Supplied as a set including blank hemp matrix and a certified spiking solution. PT is suitable for compliance with BCC and Florida as well as other USA states' statutory requirements. USDEA Exempt.

Potency in Hemp, Edible and Hemp Oil Matrix

Component	Package Size	Scheduled PT	QC CRM	PT Express
Potency (Exempt <0.3% THC) +Hemp	1X1.2mL	CMPT-023	CMQC-023	CMPT-023B
Potency (Exempt <0.3% THC) +Edible	1X1.2mL	CMPT-076	CMQC-076	CMPT-076B
Potency (Exempt <0.3%THC) +Hemp Oil	1X1.2mL	CMPT-077	CMQC-077	CMPT-077B
THC +Hemp Matrix	1X1.1mL	CMPT-082	CMQC-082	CMPT-082B
THC +Hemp Oil Matrix	1X1.1mL	CMPT-083	CMQC-083	CMPT-083B
THC +Edible Matrix	1X1.1mL	CMPT-084	CMQC-084	CMPT-084B

Physical Chemistry

Water Activity & Moisture

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

Physical Contamination

Component	Matrix	Package Size	Scheduled PT	QC CRM	PT Express
Foreign Materials in Hemp	Hemp	5 Samples	CMPT-047	CMQC-047	CMPT-047B
Heavy Metals	Hemp	HDPE Bottle	CMPT-020	CMQC-020	CMPT-020B

2026 Hemp Cannabis Science PT Study Schedule

Study Number	Study Opens	Study Closes
HEMP-0326	March 18	May 01
HEMP-0926	Sept. 23	Nov. 06

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 in Hemp

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

Quantative Terpenoids in Hemp

Component	Package Size	Scheduled PT	QC CRM	PT Express
+Hemp Matrix	2X1.6mL	CMPT-024	CMQC-024	CMPT-024B
+Hemp Oil Matrix	2X1.6mL	CMPT-080	CMQC-080	CMPT-080B

Quantative Residual Solvents in Hemp

Component	Package Size	Scheduled PT	QC CRM	PT Express
+Hemp Matrix	2x1.5mL	CMPT-018	CMQC-018	CMPT-018B

Sample set supplied as blank hemp matrix and certified spiking solution. PT is suitable for compliance with BCC and Florida as well as other USA states' statutory requirements.

Quanitative Pesticides in Hemp

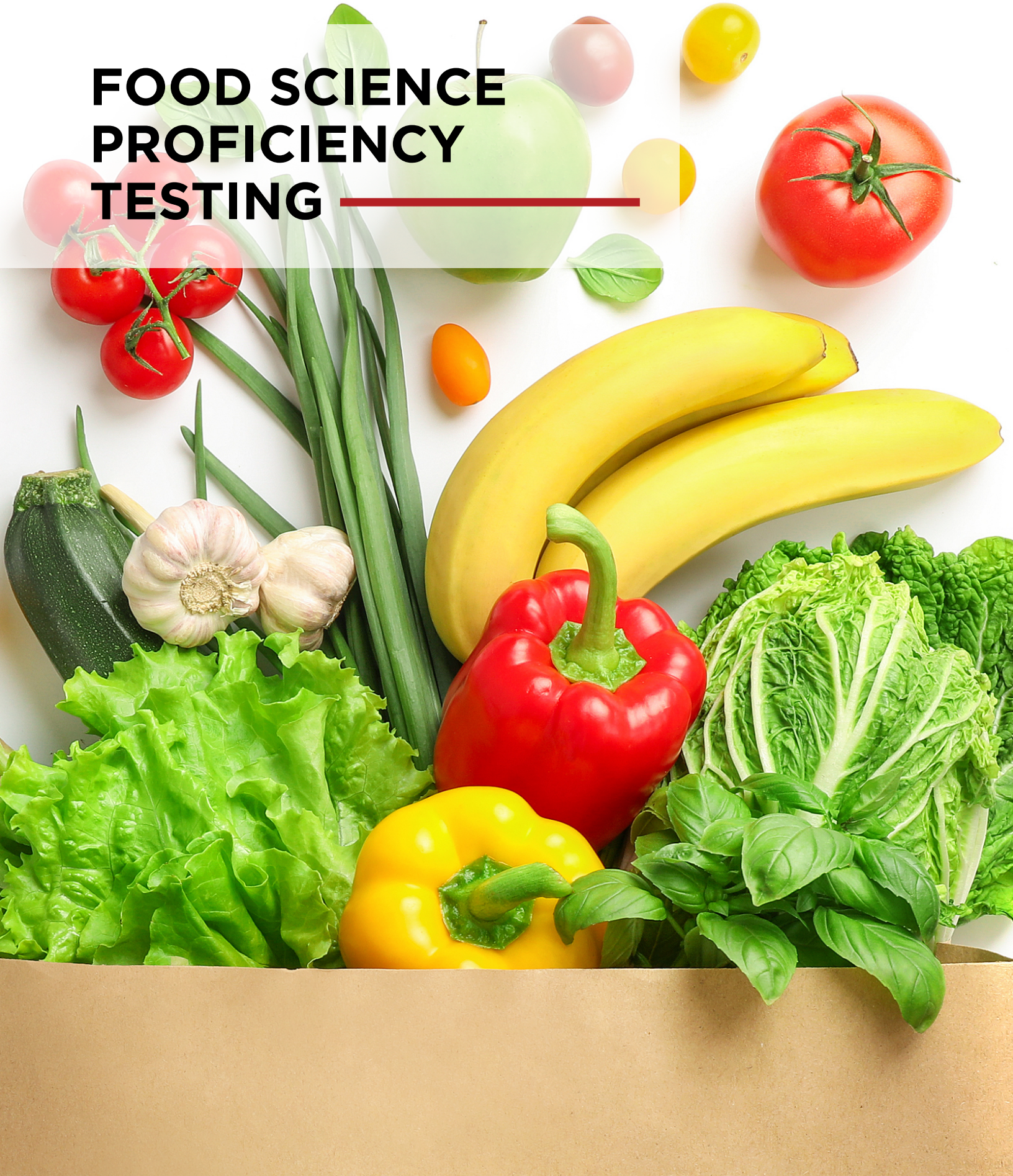
Component	Package Size	Scheduled PT	QC CRM	PT Express
+Hemp Matrix	2x1.6mL	CMPT-043	CMQC-043	CMPT-043B
+Hemp Oil Matrix	2x1.6mL	CMPT-062	CMQC-062	CMPT-062B
+Edible Matrix	2x1.6mL	CMPT-063	CMQC-063	CMPT-063B

Designed for the quantitative determination of Ochratoxin A and Total Aflatoxin (Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, and Aflatoxin G2). Applicable to ELISA and LC/MS analytical methods. The PT is suitable for compliance with BCC and Florida as well as other USA states' statutory requirements. PT Express may take up to 4 business days to ship.

Quanitative Mycotoxins in Hemp

Component	Package Size	Scheduled PT	QC CRM	PT Express
+Hemp Matrix	2x1.2mL	CMPT-042	CMQC-042	CMPT-042B
+Edible Matrix	2x1.2mL	CMPT-060	CMQC-060	CMPT-060B
+Hemp Oil Matrix	2x1.2mL	CMPT-061	CMQC-061	CMPT-061B

FOOD SCIENCE PROFICIENCY TESTING



Food Science Proficiency Testing

Quantitative Indicators

A blended organism PT 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

Also available as PT Express samples.

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-004-M
Dairy Matrix	FMPT-004-D

Also available as PT Express samples.

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-003-M
Dairy Matrix	FMPT-003-D

Also available as PT Express samples.

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-015-M
Dairy Matrix	FMPT-015-D

Also available as PT Express samples.

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 #
Buffer Matrix	FMPT-006
Meat Matrix	FMPT-006-M
Dairy Matrix	FMPT-006-D

Also available as PT Express samples.

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 #
Buffer Matrix	FMPT-008
Meat Matrix	FMPT-008-M
Dairy Matrix	FMPT-008-D

Also available as PT Express samples.

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-009-M
Dairy Matrix	FMPT-009-D

Also available as PT Express samples.

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-027-M
Dairy Matrix	FMPT-027-D

Also available as PT Express samples.

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-005-M
Dairy Matrix	FMPT-005-D

Also available as PT Express samples.

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-024-M
Dairy Matrix	FMPT-024-D

Also available as PT Express samples.

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-007-M
Dairy Matrix	FMPT-007-D

Also available as PT Express samples.

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-013-M
Dairy Matrix	FMPT-013-D

Also available as PT Express samples.

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-022-M
Dairy Matrix	FMPT-022-D

Also available as PT Express samples.

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-023-M
Dairy Matrix	FMPT-023-D

Also available as PT Express samples.

2026 Food Science PT Studies Schedule

Study Number	Study Opens	Study Closes
FS-0226	Feb. 11	March 27
FS-0526	May 13	June 26
FS-0826	Aug. 12	Sept. 25
FS-1126	Nov. 16	Dec. 30

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” x 4” 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

Also available as PT Express samples.

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

Also available as PT Express samples.

2026 Food Science PT Studies Schedule

Study Number	Study Opens	Study Closes
FS-0226	Feb. 11	March 27
FS-0526	May 13	June 26
FS-0826	Aug. 12	Sept. 25
FS-1126	Nov. 16	Dec. 30

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” x 4” 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

Also available as PT Express samples.

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” x 4” 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

Also available as PT Express samples.

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” x 4” 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 L. ivanovii.

Part #
FMPT-018

Also available as PT Express samples.

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 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

Also available as PT Express samples.

Proximates and Elements in Food

The PT material is typically a grain flour or cereal blend intended for analysis of Arsenic, Ash, Total Fat, Moisture, Total Dietary Fiber, Carbohydrates, Protein, Cadmium, Calcium, Copper, Iron, Kcalories, Lead, Magnesium, Manganese, Mercury, Salt, Sodium, Phosphorus, and Potassium. Approximately 50 grams per bottle. Supplied in duplicate.

Part #
FCPT-001

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 Arsenic, Ash, Cadmium, Carbohydrates, Cholesterol, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Moisture, Phosphorus, Potassium, Protein, Salt, Sodium, Total Fat, and Zinc. 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

Proximates and Elements in Infant Formula

This PT material is homogenized powdered dairy based infant formula. Analyze for Arsenic, Ash, Calcium, Cadmium, Calcium, Carbohydrate, Chromium, Copper, Iron, Kcalories, Lead, Magnesium, Manganese, Mercury, Moisture, Phosphorus, Potassium, Protein, Sodium, Total Dietary Fiber, and Total Fat. Approximately 50 grams per bottle. Supplied in duplicate.

Part #
FCPT-022

Proximates and Elements in Milk

This PT material is homogenized powdered dairy cow's milk. Analyze for Arsenic, Ash, Cadmium, Calcium, Carbohydrates, Copper, Fat, Kcalories, Lactose, Lead, Manganese, Mercury, Moisture, Protein, Sugars, Vitamin D, Vitamin D2, Vitamin D3.e.

Part #
FCPT-023

Custom PT/QC Materials

When one size doesn't fit all...

If you need something you can't find in our catalog, contact 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.

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 2,000 chemicals to formulate a product just for you. To request a quote, call us at 1-800-274-5487 or email analytical.quotes@zeptometrix.com.

Custom Product Requests

www.zeptometrix.com/us/en/custom-standards

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5026_SC_Rev09_Proficiency_Testing Effective Date: 10/09/2025