www.nsi-es.com

NSI SOLUTIONS INCORPORATED

Organic, Inorganic, and Microbiological Reference Materials

Certified Reference Materials

Table of Contents

Extraction Spiking Solutions for Environmental Analyses

Method 8270 LCS – Snip	pg. 4
Benzidines LCS – Snip	pg. 4
Method 8270 Surrogate – Snip	pg. 5
Method 8270 Surrogate – Snip - Color Coded Red	pg. 5
Method 8270 Surrogate – Snip - Indicating Dye	pg. 5
EPA CLP Surrogate – Snip	pg. 5
EPA CLP Surrogate – Snip - Color Coded Red	pg. 5
EPA CLP Matrix Spike – Snip	pg. 5
Method 625 LCS – Snip	pg. 6
Benzidines LCS – Snip	pg. 6

Spiking Solutions for Environmental Analyses

8270 Matrix Spike Solution	pg. 8
BNA Surrogates Solution (CLP SOW)	pg. 8
8270 BNA Surrogates Solution	pg. 8
8270 BNA Surrogates Solution – Color Coded	pg. 8
BNA Surrogates Solutions (CLP SOW) – Color Coded	pg. 8
8270 BNA Surrogates Solution – Indicating Dye	pg. 8
Appendix IX LCS Spike Mix	pg. 9
TCL BNA LCS Spike	pg. 10
625 LCS Spike	pg. 11
OC Pesticide Spike Mix	pg. 12
Pesticides Surrogates	pg. 12
Decachlorobiphenyl	pg. 12
Toxaphene	pg. 12
Chlordane	pg. 12
Herbicide Spike Mix (8150)	pg. 12
Herbicide Surrogate	pg. 12
Herbicide Spike Mix (8151)	pg. 12
PAH Spike Mix I	pg. 13
PAH Spike Mix II	pg. 13

8000 Series Method Standards

Method 1311 — TCLP	pg. 15
Method 8011 — EDB/DBCP	pg. 16
Method 8020 — Aromatic Volatile Organics	pg. 17
Method 8021 — Volatile Organic Compounds	pg. 17
Method 8080/8081 — Chlorinated Pesticides	pg. 18
Method 8082 — PCBs	pg. 19
Method 8141 — Organophosphorus Pesticides	pg. 20
Methods 8150/8151/8151A — Chlorinated Acid Herbicides	pg. 22
Method 8260 — Volatile Organics by GC/MS	pg. 24
Method 8270 — Semivolatile Organics by GC/MS	pg. 30
Method 8310 — PAHs by HPLC	pg. 34
Method 8330 — Nitroaromatics/Nitramines by HPLC	pg. 35

LOOK INSIDE TO SEE

Single Use Extraction Spikes for Environmental Analyses	pg. 3–6
61 Component ISO 34 CRM for Method 8260	pg. 25
76 Component ISO 34 CRM for Method 8270	pg. 30
Traceable E. coli, Pseudomonas, and Enterococci Standards	pg. 82
ISO 34 Certified Reference Materials for Total Residual Chlorine	pg. 85
ISO 34 Certified Reference Materials for Wet Chemistry Analysis	pg. 93
Inorganic/Organic LCS Soils	pg. 100

Table of Contents (Cont.)

500 Series Method Standards

Method 501 — Trihalomethanes in Drinking Water pg. 37
Method 502.2 — Volatile Organics in Drinking Water pg. 38
Method 504.1 — EDB/DBCP pg. 38
Method 505 — Pesticides/PCBs in Drinking Water pg. 39
Method 507 — OP Pesticides in Drinking Water pg. 40
Method 524.2 — Volatile Organics in Drinking Water pg. 42

600 Series Method Standards

Method 601/602 — Purgeable Halocarbons and Aromatics pg. 46
Method 608 — Organochlorine Pesticides and PCBs pg. 47
Method 610 — Polynuclear Aromatics pg. 49
Method 624 — Purgeable Organics pg. 49
Method 625 — Semivolatile Organics pg. 50

Underground Storage Tank Monitoring Standards

Arizona UST Standards pg. 56
California UST Standards pg. 56
Connecticut UST Standards pg. 57
Florida UST Standards pg. 57
Massachusetts UST Standards pg. 58
Michigan UST Standards pg. 60
Tennessee/Mississippi UST Standards pg. 61
New Jersey EPH Standards pg. 61
Northwest Regional TPH Standards pg. 62
Washington State UST Standards pg. 63
Wisconsin UST Standards pg. 64
New York UST Standards pg. 64
Pennsylvania UST Standards pg. 64
Texas UST Standards pg. 65
UST Surrogates Standards pg. 66
Fuels Standards/Weathered Fuels pg. 67
Certified Fuel Component Standards pg. 68
BTEX Standards pg. 68

Inorganic and Microbiological Standards for Environmental Testing

Microbiological Reference Standards pg. 82
Solids (TSS, TDS, TS) Standards and CRMs pg. 83
Residual Chlorine Standards pg. 84
BOD Standards pg. 86
Universal Wastewater Standards pg. 87
pH CRMs pg. 88
Oil and Grease/TPH Standards pg. 89
Wastewater Minerals/Nutrients Standards pg. 90
Drinking Water Minerals/Nutrients Standards pg. 91
Turbidity Standards pg. 92
Sulfide Standards pg. 92
Surfactant/ Wet Chemistry Standards pg. 93
IC CRMs/Eluents pg. 94
ICP CRMs pg. 96
Metals in Soil Standards pg. 100
Soil LCS Standards pg. 100

LOOK INSIDE TO SEE

Single Use Extraction Spikes for Environmental Analyses pg. 3–6

61 Component ISO 34 CRM for Method 8260 pg. 25

76 Component ISO 34 CRM for Method 8270 pg. 30

Traceable E. coli, Pseudomonas, and Enterococci Standards pg. 82

ISO 34 Certified Reference Materials for Total Residual Chlorine pg. 85

ISO 34 Certified Reference Materials for Wet Chemistry Analysis pg. 93

Inorganic/Organic LCS Soils pg. 100

Extraction Spiking Solutions for Environmental Analyses

Single Use "Snip and Pour" Spikes

We call them Snips™ because that's all you have to do to use one—snip open the single use tube and pour the contents directly into your sample extraction vessel. We use Teflon® because it's pure and absolutely inert to all analytes and solvents. We design each Snip™ product for specific methods to deliver the exact volume and mass of analyte(s) required without any measurements in your lab. No pipetting or serial diluting means no errors. Also, because each Snip™ is designed for single use, there is no chance that you will cross-contaminate a large stock solution.

Each Snip™ is filled to very tight tolerances of <0.5% and individually labeled with a removeable sticker. After spiking, remove the sticker from the Snip™ and affix to your extraction vessel to document spiking. Eliminate rework in your lab caused by "no-spikes" or "double spikes".

Check out our demonstration video at www.nsi-es.com. We think you'll agree that Using a Snip is a Snap!

Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.

Method 8270 LCS – Snip	pg. 4
Benzidines LCS – Snip	pg. 4
Method 8270 Surrogate – Snip	pg. 5
Method 8270 Surrogate – Snip – Color Coded Red	pg. 5
Method 8270 Surrogate – Snip – Indicating Dye	pg. 5
EPA CLP Surrogate – Snip	pg. 5
EPA CLP Surrogate – Snip – Color Coded Red	pg. 5
EPA CLP Matrix Spike – Snip	pg. 5
Method 625 LCS – Snip	pg. 6
Benzidines LCS – Snip	pg. 6

Extraction Spiking Solutions for Environmental Analyses

Method 8270 LCS–Snip (81 Components)

1,2,4-Trichlorobenzene	Benzyl alcohol
1,2-Dichlorobenzene	bis(2-Chloroethoxy)methane
1,2-Dinitrobenzene	bis(2-Chloroethyl)ether
1,3-Dichlorobenzene	bis(2-Chloroisopropyl)ether
1,3-Dinitrobenzene	bis(2-Ethylhexyl)adipate
1,4-Dichlorobenzene	bis(2-Ethylhexyl)phthalate
1,4-Dinitrobenzene	Butyl benzyl phthalate
1-Methylnaphthalene	Carbazole
2,3,4,6-Tetrachlorophenol	Chrysene
2,3,5,6-Tetrachlorophenol	Di-n-butyl phthalate
2,3-Dichloroaniline	Di-n-octyl phthalate
2,4,5-Trichlorophenol	Dibenz(a,h)anthracene
2,4,6-Trichlorophenol	Dibenzofuran
2,4-Dichlorophenol	Diethyl phthalate
2,4-Dimethylphenol	Dimethyl phthalate
2,4-Dinitrophenol	Fluoranthene
2,4-Dinitrotoluene	Fluorene
2,6-Dinitrotoluene	Hexachlorobenzene
2-Chloronaphthalene	Hexachlorobutadiene
2-Chlorophenol	Hexachlorocyclopentadiene
2-Methylnaphthalene	Hexachloroethane
2-Nitrophenol	Indeno(1,2,3-c,d)pyrene
4,6-Dinitro-2-methylphenol	Isophorone
4-Bromophenyl phenyl ether	m-Nitroaniline
4-Chloro-3-methylphenol	n-Decane
4-Chloroaniline	N-Nitrosodi-n-propylamine
4-Chlorophenyl phenyl ether	N-Nitrosodimethylamine
4-Nitrophenol	N-Nitrosodiphenylamine
a-Terpineol	n-Octadecane
Acenaphthene	Naphthalene
Acenaphthylene	Nitrobenzene
Acetophenone	o-Cresol
Aniline	o-Nitroaniline
Anthracene	p-Cresol
Azobenzene	p-Nitroaniline
Benzo(a)anthracene	Pentachlorophenol
Benzo(a)pyrene	Phenanthrene
Benzo(b)fluoranthene	Phenol
Benzo(g,h,i)perylene	Pyrene
Benzo(k)fluoranthene	Pyridine
Benzoic acid	

50 ug/mL in Methanol	**WL-408LXSNIP**	**20 x 1 mL**	**$200.00**
100 ug/mL in Methanol	**WL-408XSNIP**	**20 x 1 mL**	**$200.00**

Tech Note: By separating the Benzidine and 3,3'-Dichlorobenzidine from the main LCS, the stability of both mixtures increases to >18 months.

Benzidines LCS–Snip

Benzidine	3,3'-Dichlorobenzidine

50 ug/mL in Methanol	**WL-402LSNIP**	**20 x 1 mL**	**$45.00**
100 ug/mL in Methanol	**WL-402SNIP**	**20 x 1 mL**	**$45.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Single Use "Snip and Pour" Spikes

Method 8270 Surrogate–Snip

2-Fluorophenol	100
Phenol-d5	100
2,4,6-Tribromophenol	100
2-Fluorobiphenyl	50
Nitrobenzene-d5	50
p-Terphenyl-d14	50

At specified concentrations (ug/mL) in Methanol

WL-371SNIP **50 x 1 mL** **$55.00**

Method 8270 Surrogate–Snip – Color Coded Red

2-Fluorophenol	100
Phenol-d5	100
2,4,6-Tribromophenol	100
2-Fluorobiphenyl	50
Nitrobenzene-d5	50
p-Terphenyl-d14	50

At specified concentrations (ug/mL) in Methanol

WL-371CSNIP **50 x 1 mL** **$60.00**

EPA CLP Surrogate–Snip

2-Chlorophenol-d4	75
2-Fluorophenol	75
Phenol-d5	75
2,4,6-Tribromophenol	75
1,2-Dichlorobenzene-d4	50
2-Fluorobiphenyl	50
Nitrobenzene-d5	50
p-Terphenyl-d14	50

At specified concentrations (ug/mL) in Methanol

WL-316SNIP **50 x 1 mL** **$60.00**

EPA CLP Surrogate–Snip – Color Coded Red

2-Chlorophenol-d4	75
2-Fluorophenol	75
Phenol-d5	75
2,4,6-Tribromophenol	75
1,2-Dichlorobenzene-d4	50
2-Fluorobiphenyl	50
Nitrobenzene-d5	50
p-Terphenyl-d14	50

At specified concentrations (ug/mL) in Methanol

WL-316CSNIP **50 x 1 mL** **$60.00**

New!

EPA CLP Matrix Spike–Snip

4-Chloro-3-methylphenol	75
2-Chlorophenol	75
4-Nitrophenol	75
Pentachlorophenol	75
Phenol	75
Acenaphthene	50
1,4-Dichlorobenzene	50
2,4-Dinitrotoluene	50
N-Nitrosodi-n-propylamine	50
Pyrene	50
1,2,4-Trichlorobenzene	50

At specified concentrations (ug/mL) in Methanol

WL-365SNIP **50 x 1 mL** **$53.00**

Method 8270 Surrogate–Snip – Indicating Dye

Standard contains a water soluble indicating dye that tints water samples yellow when acidified, red when adjusted to base/neutral pH levels.

2-Fluorophenol	100
Phenol-d5	100
2,4,6-Tribromophenol	100
2-Fluorobiphenyl	50
Nitrobenzene-d5	50
p-Terphenyl-d14	50

At specified concentrations (ug/mL) in Methanol

WL-710SNIP **50 x 1 mL** **$75.00**

Note: Each "SNIP" is individually labeled with an easily removable label that can be affixed to your extraction vessel to document spiking. See our demonstration video at www.nsi-es.com.

Extraction Spiking Solutions for Environmental Analyses

Method 625 LCS–Snip (61 Analytes)

1,2,4-Trichlorobenzene	bis(2-Chloroisopropyl)ether
1,2-Dichlorobenzene	bis(2-Ethylhexyl)phthalate
1,3-Dichlorobenzene	Butyl benzyl phthalate
1,4-Dichlorobenzene	Carbazole
2,3-Dichloroaniline	Chrysene
2,4,6-Trichlorophenol	Di-n-butyl phthalate
2,4-Dichlorophenol	Di-n-octyl phthalate
2,4-Dimethylphenol	Dibenz(a,h)anthracene
2,4-Dinitrophenol	Diethyl phthalate
2,4-Dinitrotoluene	Dimethyl phthalate
2,6-Dinitrotoluene	Fluoranthene
2-Chloronaphthalene	Fluorene
2-Chlorophenol	Hexachlorobenzene
2-Nitrophenol	Hexachlorobutadiene
4,6-Dinitro-2-methylphenol	Hexachlorocyclopentadiene
4-Bromophenyl phenyl ether	Hexachloroethane
4-Chloro-3-methylphenol	Indeno(1,2,3-c,d)pyrene
4-Chlorophenyl phenyl ether	Isophorone
4-Nitrophenol	n-Decane
a-Terpineol	N-Nitrosodi-n-propylamine
Acenaphthene	N-Nitrosodimethylamine
Acenaphthylene	N-Nitrosodiphenylamine
Acetophenone	n-Octadecane
Anthracene	Naphthalene
Benzo(a)anthracene	Nitrobenzene
Benzo(a)pyrene	Pentachlorophenol
Benzo(b)fluoranthene	Phenanthrene
Benzo(g,h,i)perylene	Phenol
Benzo(k)fluoranthene	Pyrene
bis(2-Chloroethoxy)methane	Pyridine
bis(2-Chloroethyl)ether	

50 ug/mL each in Methanol	**WL-396LSNIP**	**20 x 1 mL**	**$190.00**
100 ug/mL each in Methanol	**WL-396SNIP**	**20 x 1 mL**	**$190.00**

Benzidines LCS–Snip

Benzidine	3,3'-Dichlorobenzidine

50 ug/mL each in Methanol	**WL-402LSNIP**	**20 x 1 mL**	**$45.00**
100 ug/mL each in Methanol	**WL-402SNIP**	**20 x 1 mL**	**$45.00**

Tech Note: By separating the Benzidine and 3,3'-Dichlorobenzidine from the main LCS, the stability of both mixtures increases to >18 months.

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Spiking Solutions for Environmental Analyses

Ready-to-Use Spiking Standards

Formulated at working levels, each spike solution is ready to use as received. All spiking solutions are supplied with an ISO 31 compliant COA detailing concentrations, uncertainties, and traceability to SI.

To use, simply pipet the exact volume you need and add directly to your extraction vessel. No dilutions necessary. Our line of ready to use spiking solutions are easily customized so if you don't see the exact mixture you need, give us a call at 1-800-234-7837 for a custom design and quotation.

8270 Matrix Spike Solution	pg. 8
BNA Surrogates Solution (CLP SOW)	pg. 8
8270 BNA Surrogates Solution	pg. 8
8270 BNA Surrogates Solution – Color Coded	pg. 8
BNA Surrogates Solutions (CLP SOW) – Color Coded	pg. 8
8270 BNA Surrogates Solution – Indicating Dye	pg. 8
Appendix IX LCS Spike Mix	pg. 9
TCL BNA LCS Spike	pg. 10
625 LCS Spike	pg. 11
OC Pesticide Spike Mix	pg. 12
Pesticides Surrogates	pg. 12
Decachlorobiphenyl	pg. 12
Toxaphene	pg. 12
Chlordane	pg. 12
Herbicide Spike Mix (8150)	pg. 12
Herbicide Surrogate	pg. 12
Herbicide Spike Mix (8151)	pg. 12
PAH Spike Mix I	pg. 13
PAH Spike Mix II	pg. 13

Spiking Solutions for Environmental Analyses

8270 BNA Surrogates Solution

2-Fluorophenol	200
Phenol-d5	200
2,4,6-Tribromophenol	200
2-Fluorobiphenyl	100
Nitrobenzene-d5	100
p-Terphenyl-d14	100

At specified concentrations (ug/mL) in Methanol

WL-371-50	**50 mL**	**$102.00**
WL-371-100	**100 mL**	**$148.00**

BNA Surrogates Solution (CLP SOW)

2-Chlorophenol-d4	150
2-Fluorophenol	150
Phenol-d5	150
2,4,6-Tribromophenol	150
1,2-Dichlorobenzene-d4	100
2-Fluorobiphenyl	100
Nitrobenzene-d5	100
p-Terphenyl-d14	100

At specified concentrations (ug/mL) in Methanol

WL-316-50	**50 mL**	**$113.00**
WL-316-100	**100 mL**	**$167.00**

8270 BNA Surrogates Solution – Color Coded

2-Fluorophenol	200
Phenol-d5	200
2,4,6-Tribromophenol	200
2-Fluorobiphenyl	100
Nitrobenzene-d5	100
p-Terphenyl-d14	100

At specified concentrations (ug/mL) in Methanol

WL-371-50C	**50 mL**	**$105.00**
WL-371-100C	**100 mL**	**$153.00**

BNA Surrogates Solutions (CLP SOW) – Color Coded

2-Chlorophenol-d4	150
2-Fluorophenol	150
Phenol-d5	150
2,4,6-Tribromophenol	150
1,2-Dichlorobenzene-d4	100
2-Fluorobiphenyl	100
Nitrobenzene-d5	100
p-Terphenyl-d14	100

At specified concentrations (ug/mL) in Methanol

WL-316-50C	**50 mL**	**$115.00**
WL-316-100C	**100 mL**	**$170.00**

8270 Matrix Spike Solution

4-Chloro-3-methylphenol	200
2-Chlorophenol	200
4-Nitrophenol	200
Pentachlorophenol	200
Phenol	200
Acenaphthene	100
1,4-Dichlorobenzene	100
2,4-Dinitrotoluene	100
N-Nitrosodi-n-propylamine	100
Pyrene	100
1,2,4-Trichlorobenzene	100

At specified concentrations (ug/mL) in Methanol

WL-365	**50 mL**	**$81.00**

New!

8270 BNA Surrogates Solution – Indicating Dye

Standard contains a water soluble indicating dye that tints water samples yellow when acidified, red when adjusted to base/neutral pH levels.

2-Fluorophenol	200
Phenol-d5	200
2,4,6-Tribromophenol	200
2-Fluorobiphenyl	100
Nitrobenzene-d5	100
p-Terphenyl-d14	100

At specified concentrations (ug/mL) in Methanol

WL-710	**100 mL**	**$163.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Appendix IX LCS Spike Mix*

1,2,4,5-Tetrachlorobenzene	4-Phenylenediamine	Hexachlorocyclopentadiene
1,2,4-Trichlorobenzene	5-Nitro-o-toluidine	Hexachloroethane
1,2-Dichlorobenzene	7,12-Dimethylbenz(a)anthracene	Hexachloropropene
1,3,5-Trinitrobenzene	Acenaphthene	Indeno(1,2,3-c,d)pyrene
1,3-Dichlorobenzene	Acenaphthylene	Isodrin
1,3-Dinitrobenzene	Acetophenone	Isophorone
1,4-Dichlorobenzene	Aniline	Isosafrole (cis and trans)
1,4-Naphthoquinone	Anthracene	Kepone
1-Chloronaphthalene	Azobenzene	m-Nitroaniline
1-Methylnaphthalene	Benzidine	Methapyrilene
1-Naphthylamine	Benzo(a)anthracene	Methyl methanesulfonate
2,3,4,6-Tetrachlorophenol	Benzo(a)pyrene	N-Nitrosodi-n-butylamine
2,4,5-Trichlorophenol	Benzo(b)fluoranthene	N-Nitrosodi-n-propylamine
2,4,6-Trichlorophenol	Benzo(g,h,i)perylene	N-Nitrosodiethylamine
2,4-Dichlorophenol	Benzo(k)fluoranthene	N-Nitrosodimethylamine
2,4-Dimethylphenol	Benzoic acid	N-Nitrosodiphenylamine
2,4-Dinitrophenol	Benzyl alcohol	N-Nitrosomethylethylamine
2,4-Dinitrotoluene	bis(2-Chloroethoxy)methane	N-Nitrosomorpholine
2,6-Dichlorophenol	bis(2-Chloroethyl)ether	N-Nitrosopiperidine
2,6-Dinitrotoluene	bis(2-Chloroisopropyl)ether	N-Nitrosopyrrolidine
2-Acetylaminofluorene	bis(2-Ethylhexyl)phthalate	Naphthalene
2-Chloronaphthalene	Butyl benzyl phthalate	Nitrobenzene
2-Chlorophenol	Carbazole	o-Cresol
2-Methylnaphthalene	Chlorobenzilate	o-Nitroaniline
2-Naphthylamine	Chrysene	p-Cresol
2-Nitrophenol	Di-n-butyl phthalate	p-Nitroaniline
2-Picoline	Di-n-octyl phthalate	Pentachlorobenzene
2-Toluidine	Diallate (cis and trans)	Pentachloroethane
3,3'-Dichlorobenzidine	Dibenz(a,h)anthracene	Pentachloronitrobenzene
3,3'-Dimethylbenzidine	Dibenz(a,j)acridine	Pentachlorophenol
3-Methylcholanthrene	Dibenzofuran	Phenacetin
4,6-Dinitro-2-methylphenol	Diethyl phthalate	Phenanthrene
4-Aminobiphenyl	Dimethyl phthalate	Phenol
4-Bromophenyl phenyl ether	Dinoseb	Phentermine
4-Chloro-3-methylphenol	Diphenylamine	Pronamide
4-Chloroaniline	Ethyl methanesulfonate	Pyrene
4-Chlorophenyl phenyl ether	Fluoranthene	Pyridine
4-Dimethylaminoazobenzene	Fluorene	Safrole
4-Nitrophenol	Hexachlorobenzene	
4-Nitroquinoline-N-oxide	Hexachlorobutadiene	

50 ug/mL in Acetone	**WL-600-10**	**10 mL**	**$315.00**
	WL-600-25	**25 mL**	**$473.00**

**Store in freezer. Limited shelf life of 90 days.*

Spiking Solutions for Environmental Analyses

TCL BNA LCS Spike (83 Components)

1,2,4-Trichlorobenzene	Benzoic acid
1,2-Dichlorobenzene	Benzyl alcohol
1,2-Dinitrobenzene	bis(2-Chloroethoxy)methane
1,3-Dichlorobenzene	bis(2-Chloroethyl)ether
1,3-Dinitrobenzene	bis(2-Chloroisopropyl)ether
1,4-Dichlorobenzene	bis(2-Ethylhexyl)adipate
1,4-Dinitrobenzene	bis(2-Ethylhexyl)phthalate
1-Methylnaphthalene	Butyl benzyl phthalate
2,3,4,6-Tetrachlorophenol	Carbazole
2,3,5,6-Tetrachlorophenol	Chrysene
2,3-Dichloroaniline	Di-n-butyl phthalate
2,4,5-Trichlorophenol	Di-n-octyl phthalate
2,4,6-Trichlorophenol	Dibenz(a,h)anthracene
2,4-Dichlorophenol	Dibenzofuran
2,4-Dimethylphenol	Diethyl phthalate
2,4-Dinitrophenol	Dimethyl phthalate
2,4-Dinitrotoluene	Fluoranthene
2,6-Dinitrotoluene	Fluorene
2-Chloronaphthalene	Hexachlorobenzene
2-Chlorophenol	Hexachlorobutadiene
2-Methylnaphthalene	Hexachlorocyclopentadiene
2-Nitrophenol	Hexachloroethane
3,3'-Dichlorobenzidine	Indeno(1,2,3-c,d)pyrene
4,6-Dinitro-2-methylphenol	Isophorone
4-Bromophenyl phenyl ether	m-Nitroaniline
4-Chloro-3-methylphenol	n-Decane
4-Chloroaniline	N-Nitrosodi-n-propylamine
4-Chlorophenyl phenyl ether	N-Nitrosodimethylamine
4-Nitrophenol	N-Nitrosodiphenylamine
a-Terpineol	n-Octadecane
Acenaphthene	Naphthalene
Acenaphthylene	Nitrobenzene
Acetophenone	o-Cresol
Aniline	o-Nitroaniline
Anthracene	p-Cresol
Azobenzene	p-Nitroaniline
Benzidine	Pentachlorophenol
Benzo(a)anthracene	Phenanthrene
Benzo(a)pyrene	Phenol
Benzo(b)fluoranthene	Pyrene
Benzo(g,h,i)perylene	Pyridine
Benzo(k)fluoranthene	

100 ug/mL in Methanol	**WL-408-10**	**10 mL**	**$184.00**
	WL-408-25	**25 mL**	**$315.00**
	WL-408-50	**50 mL**	**$578.00**
Without Benzidine/3,3'-Dichlorobenzidine	**WL-408-10X**	**10 mL**	**$158.00**
	WL-408-25X	**25 mL**	**$289.00**
	WL-408-50X	**50 mL**	**$550.00**

Tech Note: By separating the Benzidine and 3,3'-Dichlorobenzidine from the main LCS, the stability of both mixtures increases to >18 months.

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

625 LCS Spike (63 Analytes)

1,2,4-Trichlorobenzene	bis(2-Chloroethyl)ether
1,2-Dichlorobenzene	bis(2-Chloroisopropyl)ether
1,3-Dichlorobenzene	bis(2-Ethylhexyl)phthalate
1,4-Dichlorobenzene	Butyl benzyl phthalate
2,3-Dichloroaniline	Carbazole
2,4,6-Trichlorophenol	Chrysene
2,4-Dichlorophenol	Di-n-butyl phthalate
2,4-Dimethylphenol	Di-n-octyl phthalate
2,4-Dinitrophenol	Dibenz(a,h)anthracene
2,4-Dinitrotoluene	Diethyl phthalate
2,6-Dinitrotoluene	Dimethyl phthalate
2-Chloronaphthalene	Fluoranthene
2-Chlorophenol	Fluorene
2-Nitrophenol	Hexachlorobenzene
3,3'-Dichlorobenzidine	Hexachlorobutadiene
4,6-Dinitro-2-methylphenol	Hexachlorocyclopentadiene
4-Bromophenyl phenyl ether	Hexachloroethane
4-Chloro-3-methylphenol	Indeno(1,2,3-c,d)pyrene
4-Chlorophenyl phenyl ether	Isophorone
4-Nitrophenol	n-Decane
a-Terpineol	N-Nitrosodi-n-propylamine
Acenaphthene	N-Nitrosodimethylamine
Acenaphthylene	N-Nitrosodiphenylamine
Acetophenone	n-Octadecane
Anthracene	Naphthalene
Benzidine	Nitrobenzene
Benzo(a)anthracene	Pentachlorophenol
Benzo(a)pyrene	Phenanthrene
Benzo(b)fluoranthene	Phenol
Benzo(g,h,i)perylene	Pyrene
Benzo(k)fluoranthene	Pyridine
bis(2-Chloroethoxy)methane	

100 ug/mL in Methanol	**WL-396**	**10 mL**	**$105.00**
	WL-397	**50 mL**	**$420.00**
Without Benzidine/3,3'-Dichlorobenzidine	**WL-396X**	**10 mL**	**$79.00**
	WL-397X	**50 mL**	**$394.00**

Tech Note: By separating the Benzidine and 3,3'-Dichlorobenzidine from the main LCS, the stability of both mixtures increases to >18 months.

Spiking Solutions for Environmental Analyses

OC Pesticide Spike Mix

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

2 ug/mL in Ethyl acetate

WL-695-25	**25 mL**	**$105.00**
WL-695-100	**4 x 25 mL**	**$399.00**

Pesticides Surrogates

Decachlorobiphenyl	Tetrachloro-m-xylene

0.2 ug/mL in Acetone

C-194WL-50	**50 mL**	**$35.00**
C-194WL-100	**100 mL**	**$60.00**

Decachlorobiphenyl

5 ug/mL in Acetone

1084WL-100	**100 mL**	**$75.00**

Toxaphene

1 ug/mL in Acetone

111WL-25	**25 mL**	**$25.00**

Chlordane

0.5 ug/mL in Acetone

89WL-25	**25 mL**	**$25.00**

Herbicide Spike Mix (8150)

2,4-D	5
2,4-DB	5
Dalapon	5
Dicamba	5
Dichlorprop	5
Dinoseb	5
MCPA	500
MCPP	500
Silvex	5
2,4,5-T	5

At specified concentrations (ug/mL) in Acetone

WL-722-25	**25 mL**	**$100.00**

Herbicide Surrogate

DCAA (Free Acid)

2 ug/mL in Methanol

1191WL-25	**25 mL**	**$25.00**
1191WL-50	**50 mL**	**$45.00**

Herbicide Spike Mix (8151)

Acifluorfen	5
Bentazon	5
Chloramben	5
2,4-D	5
Dalapon	5
2,4-DB	5
DCPA	5
Dicamba	5
3,5-Dichlorobenzoic Acid	5
Dichlorprop	5
Dinoseb	5
MCPA	500
MCPP	500
4-Nitrophenol	5
Pentachlorophenol	5
Picloram	5
Silvex	5
2,4,5-T	5

At specified concentrations (ug/mL) in Acetone

WL-698-25	**25 mL**	**$135.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

PAH Spike Mix I

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

40 ug/mL in Methanol

WL-699-25 **25 mL** **$95.00**

PAH Spike Mix II

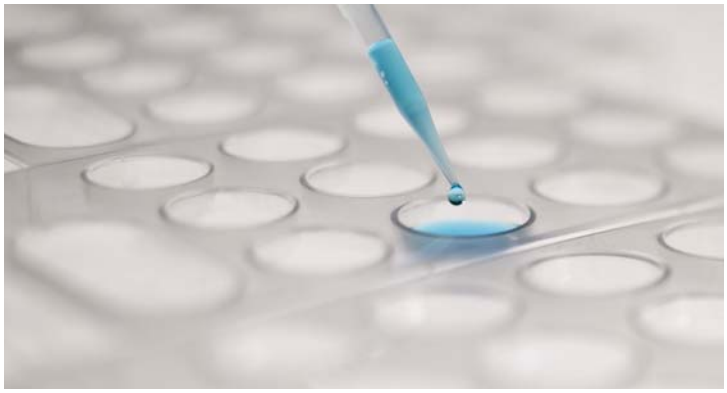
Acenaphthene	100
Acenaphthylene	100
Anthracene	100
Benzo(a)anthracene	10
Benzo(a)pyrene	10
Benzo(b)fluoranthene	10
Benzo(k)fluoranthene	5
Benzo(g,h,i)perylene	10
Chrysene	10
Dibenz(a,h)anthracene	10
Fluoranthene	10
Fluorene	100
Indeno(1,2,3-c,d)pyrene	10
Naphthalene	100
Phenanthrene	100
Pyrene	10

At specified concentrations (ug/mL) in Methanol

WL-494-25 **25 mL** **$125.00**

Product Note

All of these ready-to-use spike standards are easily and economically customized to meet your specific needs. Email us at nsi@nsi-es.com.



8000 Series

Method Standards

Our 8000 series method standards are designed, certified, and stocked for the most commonly performed methodologies. Many of these catalogued items are covered under our ISO 34 scope of accreditation and are Certified Reference Materials. Check out our CRMs for Methods 8260 and 8270 on pages 24-33.

Method 1311 — TCLP	pg. 15
Method 8011 — EDB/DBCP	pg. 16
Method 8020 — Aromatic Volatile Organics	pg. 17
Method 8021 — Volatile Organic Compounds	pg. 17
Method 8080/8081 — Chlorinated Pesticides	pg. 18
Method 8082 — PCBs	pg. 19
Method 8141 — Organophosphorus Pesticides	pg. 20
Methods 8150/8151/8151A — Chlorinated Acid Herbicides	pg. 22
Method 8260 — Volatile Organics by GC/MS	pg. 24
Method 8270 — Semivolatile Organics by GC/MS	pg. 30
Method 8310 — PAHs by HPLC	pg. 34
Method 8330 — Nitroaromatics/Nitramines by HPLC	pg. 35

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Method 1311—TCLP

TCLP Acids Mix

- o-Cresol
- m-Cresol
- p-Cresol
- Pentachlorophenol
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

2000 ug/mL in Methanol

C-151	**1.5 mL**	**$30.00**
C-151P	**4 x 1.5 mL**	**$100.00**

TCLP Base/Neutrals Mix

- 1,4-Dichlorobenzene
- 2,4-Dinitrotoluene
- Hexachlorobenzene
- Hexachlorobutadiene
- Hexachloroethane
- Nitrobenzene
- Pyridine

2000 ug/mL in Methanol/Benzene (7:3)

C-155	**1.5 mL**	**$35.00**
C-155P	**4 x 1.5 mL**	**$120.00**

TCLP Pesticides Mix

- gamma-BHC
- Endrin
- Heptachlor
- Heptachlor epoxide (B)
- 4,4'-Methoxychlor

1000 ug/mL in Methanol

C-143	**1.5 mL**	**$35.00**
C-143P	**4 x 1.5 mL**	**$120.00**

TCLP Volatiles Mix

- Benzene
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- 1,2-Dichloroethane
- 1,4-Dichlorobenzene
- 1,1-Dichloroethylene
- Methyl ethyl ketone
- Tetrachloroethylene
- Trichloroethylene
- Vinyl chloride

1000 ug/mL in Methanol/Water (9:1)

C-482	**1.5 mL**	**$30.00**
C-482P	**4 x 1.5 mL**	**$100.00**

TCLP Herbicides Mix

- 2,4-Dichlorophenoxyacetic acid
- Silvex

2000 ug/mL in Acetonitrile

C-156	**1.5 mL**	**$30.00**
C-156P	**4 x 1.5 mL**	**$100.00**

Chlordane

2000 ug/mL in Methanol

89-M	**1.5 mL**	**$25.00**
89-MP	**4 x 1.5 mL**	**$85.00**

Toxaphene

2000 ug/mL in Methanol

111-M	**1.5 mL**	**$25.00**
111-MP	**4 x 1.5 mL**	**$85.00**

Method 8011—EDB/DBCP

EDB/DBCP

1,2-Dibromoethane

1,2-Dibromo-3-chloropropane

2000 ug/mL in Methanol

C-398H	**1.5 mL**	**$25.00**
C-398HP	**4 x 1.5 mL**	**$85.00**

1,2-Dibromoethane

2000 ug/mL in Methanol

171	**1.5 mL**	**$25.00**
171P	**4 x 1.5 mL**	**$85.00**

1,2-Dibromo-3-chloropropane

2000 ug/mL in Methanol

993	**1.5 mL**	**$25.00**
993P	**4 x 1.5 mL**	**$85.00**

Did You Know?

We are an accredited PT provider and all of our Quantitative Chemistry and Microbiological PT Samples are provided in duplicate at listed prices. Just another way we enhance value.

ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

Method 8020—Aromatic Volatile Organics

Method 8020 Mix

Benzene
Chlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Ethylbenzene
Toluene
o-Xylene
m-Xylene
p-Xylene

2000 ug/mL in Methanol

C-304	**1.5 mL**	**$25.00**
C-304P	**4 x 1.5 mL**	**$85.00**

BTEX Mix

Benzene
Ethylbenzene
Toluene
o-Xylene
m-Xylene
p-Xylene

2000 ug/mL in Methanol

C-301	**1.5 mL**	**$25.00**
C-301P	**4 x 1.5 mL**	**$85.00**

Method 8020 Surrogate and Internal Standards

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
233	4-Bromofluorobenzene	PT Methanol	2000	$25.00
791	1,4-Difluorobenzene	PT Methanol	2000	$25.00
1261	α,α,α-Trifluorotoluene	PT Methanol	2000	$25.00
232H	Fluorobenzene	PT Methanol	2000	$25.00

Additional analytes can be provided as custom formulations, please inquire.

See page 68 for additional BTEX standards.

Method 8021—Volatile Organic Compounds

8021 Internal Standards

2-Bromo-1-chloropropane
Fluorobenzene

2000 ug/mL in Methanol

C-481	**1.5 mL**	**$20.00**
C-481P	**4 x 1.5 mL**	**$65.00**

8021 Surrogates

Bromochlorobenzene
1,4-Dichlorobutane

2000 ug/mL in Methanol

C-492	**1.5 mL**	**$20.00**
C-492P	**4 x 1.5 mL**	**$65.00**

8021 Surrogate Mix 1

Fluorobenzene
1-Bromo-2-chloroethane
1-Chloro-3-fluorobenzene

2000 ug/mL in PT Methanol

C-495	**1.5 mL**	**$30.00**
C-495P	**4 x 1.5 mL**	**$100.00**

8021 Surrogate Mix 2

1-Bromo-2-chloroethane
4-Bromochlorobenzene
1-Chloro-3-fluorobenzene
Fluorobenzene

2000 ug/mL in PT Methanol

C-479	**1.5 mL**	**$30.00**
C-479P	**4 x 1.5 mL**	**$100.00**

See Method 8260 on pages 24-27 for Method 8021 calibration mixes.

Method 8080/8081—Chlorinated Pesticides

8081A Organochlorine Pesticide Mix

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

1000 ug/mL in Hexane/Toluene (1:1)

C-617	**1.5 mL**	**$83.00**
C-617P	**4 x 1.5 mL**	**$280.00**

TCL Pesticides Mix

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

2000 ug/mL in Hexane/Toluene (1:1)

C-435	**1.5 mL**	**$80.00**
C-435P	**4 x 1.5 mL**	**$275.00**

Chlordane

2000 ug/mL in Methanol

89-M	**1.5 mL**	**$25.00**
89-MP	**4 x 1.5 mL**	**$85.00**

Additional analytes can be provided as custom formulations, please inquire.

Toxaphene

1000 ug/mL in Methanol

111L	**1.5 mL**	**$25.00**
111LP	**4 x 1.5 mL**	**$85.00**

2000 ug/mL in Methanol

111-M	**1.5 mL**	**$25.00**
111-MP	**4 x 1.5 mL**	**$85.00**

10000 ug/mL in Acetone

111H	**1.5 mL**	**$70.00**
111HP	**4 x 1.5 mL**	**$240.00**

Pesticides Surrogates

Decachlorobiphenyl Tetrachloro-m-xylene

200 ug/mL in Acetone

C-194	**1.5 mL**	**$25.00**
C-194P	**4 x 1.5 mL**	**$85.00**
C-194TP	**10 x 1.5 mL**	**$175.00**

Method 8081 Surrogate and Internal Standards

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
798	Dibutyl chlorendate	Acetone	200	$25.00
1084-A	Decachlorobiphenyl	Acetone	200	$25.00
1180	Tetrachloro-m-xylene	Acetone	200	$25.00
1470	1-Bromo-2-nitrobenzene	Acetone	5000	$25.00
156	Pentachloronitrobenzene	Acetone	5000	$25.00
1471	4-Chloro-3-nitrobenzotrifluoride	Acetone	5000	$25.00

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

Method 8082—PCBs

All of our PCB single arochlor standards are ISO 34 CRMs and they are formulated using the original Monsanto Arochlor® materials.

PCB Arochlor Solutions

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
125	Arochlor 1016	Iso-octane	5000	$25.00
126	Arochlor 1221	Iso-octane	5000	$25.00
107	Arochlor 1232	Iso-octane	5000	$25.00
132	Arochlor 1242	Iso-octane	5000	$25.00
108	Arochlor 1248	Iso-octane	5000	$25.00
135	Arochlor 1254	Iso-octane	5000	$25.00
129	Arochlor 1260	Iso-octane	5000	$25.00
125L	Arochlor 1016	Hexane	50	$15.00
126L	Arochlor 1221	Hexane	50	$15.00
107L	Arochlor 1232	Hexane	50	$15.00
132L	Arochlor 1242	Hexane	50	$15.00
108L	Arochlor 1248	Hexane	50	$15.00
135L	Arochlor 1254	Hexane	50	$15.00
129L	Arochlor 1260	Hexane	50	$15.00
125M	Arochlor 1016	Methanol	1000	$25.00
126M	Arochlor 1221	Methanol	1000	$25.00
107M	Arochlor 1232	Methanol	1000	$25.00
132M	Arochlor 1242	Methanol	1000	$25.00
108M	Arochlor 1248	Methanol	1000	$25.00
135M	Arochlor 1254	Methanol	1000	$25.00
129M	Arochlor 1260	Methanol	1000	$25.00

8082 Arochlor Mix

PCB 1016	PCB 1260		
1000 ug/mL in Iso-octane	**C-496**	**1.5 mL**	**$25.00**
	C-496P	**4 x 1.5 mL**	**$85.00**

Arochlor® is a registered trademark of Monsanto Corporation.

Method 8141—Organophosphorus Pesticides

Organophosphorus Pesticides Mix 1

Azinphos methyl
Bolstar
Chlorpyrifos
Coumaphos
Demeton (total)
Diazinon
Dichlorvos
Disulfoton
Ethoprop
Fensulfothion
Fenthion
Merphos
Methyl parathion
Mevinphos
Naled
Phorate
Ronnel
Stirofos
Tokuthion
Trichloronate

200 ug/mL in Hexane/Acetone (80:20)

C-623	**1.5 mL**	**$120.00**
C-623P	**4 x 1.5 mL**	**$384.00**

Organophosphorus Pesticides Mix 2

Dimethoate
EPN
Malathion
Monocrotophos
Parathion
Sulfotepp
TEPP

200 ug/mL in Hexane/Acetone (1:1)

C-624	**1.5 mL**	**$60.00**
C-624P	**4 x 1.5 mL**	**$192.00**

Inquire about custom OP Pesticides mixes at nsi@nsi-es.com.

Tech Note: Organophosphorus Pesticides mixtures are unstable when exposed to water, heat, and light. These mixtures are formulated in anhydrous solvents and ampuled under dry argon. Store in the freezer in the dark.

8141A Internal Standard

1-Bromo-2-nitrobenzene

1000 ug/mL in Acetone

1470L	**1.5 mL**	**$25.00**
1470LP	**4 x 1.5 mL**	**$85.00**

8141A Surrogate Mix

Tributylphosphate
Triphenylphosphate

1000 ug/mL in Acetone

C-628	**1.5 mL**	**$25.00**
C-628P	**4 x 1.5 mL**	**$85.00**

8141A Surrogate

4-Chloro-3-nitrobenzotrifluoride

1000 ug/mL in Acetone

1471H	**1.5 mL**	**$25.00**
1471HP	**4 x 1.5 mL**	**$85.00**

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

Single Component Organophosphorus Pesticides*

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
804–HA	Aspon	Hexane/Acetone	1000	$25.00
1090–HA	Atrazine	Hexane/Acetone	1000	$25.00
53820–HA	Azinphos methyl	Hexane/Acetone	1000	$25.00
1161–HA	Azinphos ethyl	Hexane/Acetone	1000	$25.00
1646–HA	Bolstar (Sulprofos)	Hexane/Acetone	1000	$25.00
1703–HA	Carbophenothion	Hexane/Acetone	1000	$25.00
51300–HA	Chlorfenvinphos	Hexane/Acetone	1000	$25.00
52900–HA	Chlorpyrifos	Hexane/Acetone	1000	$25.00
1716–HA	Chlorpyrifos methyl	Hexane/Acetone	1000	$25.00
1647–HA	Coumaphos	Hexane/Acetone	1000	$25.00
805–HA	Crotoxyphos	Hexane/Acetone	1000	$25.00
1610–HA	Demeton, O and S	Hexane/Acetone	1000	$25.00
52080–HA	Diazinon	Hexane/Acetone	1000	$25.00
1717–HA	Dichlofenthion	Hexane/Acetone	1000	$25.00
52320–HA	Dichlorvos	Hexane/Acetone	1000	$25.00
611–HA	Dicrotophos	Hexane/Acetone	1000	$25.00
345–HA	Dimethoate	Hexane/Acetone	1000	$25.00
161–HA	Dioxathion	Hexane/Acetone	1000	$25.00
654–HA	Disulfoton	Hexane/Acetone	1000	$25.00
1604–HA	EPN	Hexane/Acetone	1000	$25.00
1607–HA	Ethion	Hexane/Acetone	1000	$25.00
1486–HA	Ethoprop	Hexane/Acetone	1000	$25.00
727–HA	Famphur	Hexane/Acetone	1000	$25.00
53480–HA	Fenitrothion	Hexane/Acetone	1000	$25.00
53500–HA	Fensulfothion	Hexane/Acetone	1000	$25.00
53520–HA	Fenthion	Hexane/Acetone	1000	$25.00
52910–HA	Fonophos	Hexane/Acetone	1000	$25.00
418–HA	Hexamethylphosphoramide	Hexane/Acetone	1000	$25.00
162–HA	Leptophos	Hexane/Acetone	1000	$25.00
54260–HA	Malathion	Hexane/Acetone	1000	$25.00
1648–HA	Merphos	Hexane/Acetone	1000	$25.00
54640–HA	Mevinphos	Hexane/Acetone	1000	$25.00
50360–HA	Monocrotophos	Hexane/Acetone	1000	$25.00
54860–HA	Naled	Hexane/Acetone	1000	$25.00
560–HA	Parathion ethyl	Hexane/Acetone	1000	$25.00
572–HA	Parathion methyl	Hexane/Acetone	1000	$25.00
869–HA	Phorate	Hexane/Acetone	1000	$25.00
757–HA	Phosmet	Hexane/Acetone	1000	$25.00
1489–HA	Phosphamidon	Hexane/Acetone	1000	$25.00
1529–HA	Ronnel	Hexane/Acetone	1000	$25.00
1094–HA	Simazine	Hexane/Acetone	1000	$25.00
1533–HA	Stirophos	Hexane/Acetone	1000	$25.00
924–HA	Sulfotep	Hexane/Acetone	1000	$25.00
1652–HA	TEPP	Hexane/Acetone	1000	$25.00
56573–HA	Terbufos	Hexane/Acetone	1000	$25.00
1287–HA	Thionazin	Hexane/Acetone	1000	$25.00
1649–HA	Tokuthion	Hexane/Acetone	1000	$25.00
1490–HA	Trichlorfon	Hexane/Acetone	1000	$25.00
1651–HA	Trichloronate	Hexane/Acetone	1000	$25.00
420–HA	Tritolyl phosphate	Hexane/Acetone	1000	$25.00

**May require 5 business day lead time dependent upon stock status.*

Methods 8150/8151/8151A—Chlorinated Acid Herbicides

8150 Herbicides Mix

2,4-D
2,4-DB
Dalapon
Dicamba
Dichlorprop
Dinoseb
MCPA (10000)
MCPP (10000)
Silvex
2,4,5-T

100 ug/mL in Free Acids in Acetonitrile

C-418	**1.5 mL**	**$60.00**
C-418P	**4 x 1.5 mL**	**$190.00**

100 ug/mL Methyl Esters/Ether in Hexane

C-419	**1.5 mL**	**$65.00**
C-419P	**4 x 1.5 mL**	**$220.00**

8150/8151 Internal Standards and Surrogates

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per Pack (4 x 1.5 mL)
1191LP	DCAA	Acetone	200	$45.00
1191HP	DCAA	Acetone	2000	$65.00
1291LP	DCAA (Methyl Ester)	Hexane	200	$60.00
1126P	4,4'-Dibromooctafluorobiphenyl	Acetone	250	$65.00

Additional analytes can be provided as custom formulations, please inquire.

See page 23 for single component Herbicide Standards.

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

Single Component Chlorinated Herbicides—Free Acids

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
50760-M	Acifluorfen	MTBE	1000	$25.00
50425-M	Bentazon	MTBE	1000	$25.00
50140-M	Chloramben	MTBE	1000	$25.00
330-M	2,4-D	MTBE	1000	$25.00
1091-M	Dalapon	MTBE	1000	$25.00
53080-M	2,4-DB	MTBE	1000	$25.00
1619-M	DCPA diacid (TCPA)	MTBE	1000	$25.00
52140-M	Dicamba	MTBE	1000	$25.00
1344–M	3,5-Dichlorobenzoic acid	MTBE	1000	$25.00
52309-M	Dichlorprop	MTBE	1000	$25.00
455-M	Dinoseb	MTBE	1000	$25.00
56-M	4-Nitrophenol	MTBE	1000	$25.00
62-M	Pentachlorophenol	MTBE	1000	$25.00
713-M	Picloram	MTBE	1000	$25.00
370-M	2,4,5-T	MTBE	1000	$25.00
552-M	2,4,5-TP (Silvex)	MTBE	1000	$25.00
54340-M	MCPA	MTBE	1000	$35.00
54400-M	MCPP	MTBE	1000	$35.00

Single Component Chlorinated Herbicides—Methyl Derivatives

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
1608–H	Acifluorfen ME	Hexane	200	$30.00
1629	Bentazon ME	Hexane	200	$30.00
1628	Chloramben ME	Hexane	200	$30.00
1294	2,4-D ME	Hexane	200	$30.00
1296	Dalapon ME	Hexane	200	$30.00
1295	2,4-DB ME	Hexane	200	$30.00
51720-H	Dacthal (DCPA dimethyl ester)	Hexane	200	$30.00
1293	Dicamba ME	Hexane	200	$30.00
1630-H	3,5-Dichlorobenzoic acid ME	Hexane	200	$30.00
1297	Dichlorprop ME	Hexane	200	$30.00
1292-H	Dinoseb ME	Hexane	200	$30.00
1627	4-Nitrophenol ME	Hexane	200	$30.00
1417	Pentachlorophenol ME	Hexane	200	$30.00
1460	Picloram ME	Hexane	200	$30.00
1299	2,4,5-T ME	Hexane	200	$30.00
1298	2,4,5-TP (Silvex) ME	Hexane	200	$30.00
1301-H	MCPA ME	Hexane	2000	$42.00
1300-H	MCPP ME	Hexane	2000	$42.00

Method 8260—Volatile Organics by GC/MS

Volatiles Mix (54 Components)

1,1,1,2-Tetrachloroethane	Bromoform
1,1,1-Trichloroethane	Carbon tetrachloride
1,1,2,2-Tetrachloroethane	Chlorobenzene
1,1,2-Trichloroethane	Chlorodibromomethane
1,1-Dichloroethane	Chloroform
1,1-Dichloroethylene	cis-1,2-Dichloroethylene
1,1-Dichloropropylene	cis-1,3-Dichloropropylene
1,2,3-Trichlorobenzene	Dibromomethane
1,2,3-Trichloropropane	Dichlorobromomethane
1,2,4-Trichlorobenzene	Dichloromethane
1,2,4-Trimethylbenzene	Ethylbenzene
1,2-Dibromo-3-chloropropane	Hexachlorobutadiene
1,2-Dibromoethane	Isopropyl benzene
1,2-Dichlorobenzene	m-Xylene
1,2-Dichloroethane	n-Butylbenzene
1,2-Dichloropropane	n-Propylbenzene
1,3,5-Trimethylbenzene	Naphthalene
1,3-Dichlorobenzene	o-Xylene
1,3-Dichloropropane	p-Xylene
1,4-Dichlorobenzene	sec-Butylbenzene
2,2-Dichloropropane	Styrene
2-Chlorotoluene	tert-Butylbenzene
4-Chlorotoluene	Tetrachloroethylene
4-Isopropyltoluene	Toluene
Benzene	trans-1,2-Dichloroethylene
Bromobenzene	trans-1,3-Dichloropropylene
Bromochloromethane	Trichloroethylene

2000 ug/mL in PT Methanol	**C-349H**	**1.5 mL**	**$83.00**
	C-349HP	**4 x 1.5 mL**	**$280.00**
	C-349HTP	**10 x 1.5 mL**	**$700.00**

Tech Note: Long term stability monitoring of this certified reference material documents stability of at least 4 years from manufacture when stored according to instructions.

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

New!

Volatiles Mix with Gases (61 Components)

1,1,1,2-Tetrachloroethane	Chloroethane
1,1,1-Trichloroethane	Chloroform
1,1,2,2-Tetrachloroethane	cis-1,2-Dichloroethylene
1,1,2-Trichloroethane	cis-1,3-Dichloropropylene
1,1-Dichloroethane	Dibromomethane
1,1-Dichloroethylene	Dichlorobromomethane
1,1-Dichloropropylene	Dichlorodifluoromethane
1,2,3-Trichlorobenzene	Dichloromethane
1,2,3-Trichloropropane	Ethylbenzene
1,2,4-Trichlorobenzene	Fluorotrichloromethane
1,2,4-Trimethylbenzene	Hexachlorobutadiene
1,2-Dibromo-3-chloropropane	Isopropyl benzene
1,2-Dibromoethane	m-Xylene
1,2-Dichlorobenzene	Methyl-tert-butyl ether
1,2-Dichloroethane	Methyl bromide
1,2-Dichloropropane	Methyl chloride
1,3,5-Trimethylbenzene	n-Butylbenzene
1,3-Dichlorobenzene	n-Propylbenzene
1,3-Dichloropropane	Naphthalene
1,4-Dichlorobenzene	o-Xylene
2,2-Dichloropropane	p-Xylene
2-Chlorotoluene	sec-Butylbenzene
4-Chlorotoluene	Styrene
4-Isopropyltoluene	tert-Butylbenzene
Benzene	Tetrachloroethylene
Bromobenzene	Toluene
Bromochloromethane	trans-1,2-Dichloroethylene
Bromoform	trans-1,3-Dichloropropylene
Carbon tetrachloride	Trichloroethylene
Chlorobenzene	Vinyl chloride
Chlorodibromomethane	

1000 ug/mL in PT Methanol	**C-350H**	**1.5 mL**	**$86.00**
	C-350HP	**4 x 1.5 mL**	**$295.00**
	C-350HTP	**10 x 1.5 mL**	**$730.00**

Product Note:

We actually fill our ampules with slightly more than 1.5 mL of standard solution. Most manufacturers only supply 1.1 mL. Another way we enhance value.

8000 Series Method Standards

8260 VOC Mix (78 Components)

1,1,1,2-Tetrachloroethane	Chloroform
1,1,1-Trichloroethane	cis-1,2-Dichloroethylene
1,1,2,2-Tetrachloroethane	cis-1,3-Dichloropropylene
1,1,2-Trichloroethane	cis-1,4-Dichloro-2-butene
1,1,2-Trichlorotrifluoroethane	Cyclohexane
1,1-Dichloroethane	Dibromomethane
1,1-Dichloroethylene	Dichlorobromomethane
1,1-Dichloropropylene	Dichloromethane
1,2,3-Trichlorobenzene	Diethyl ether
1,2,3-Trichloropropane	Diisopropyl ether
1,2,4-Trichlorobenzene	Ethylbenzene
1,2,4-Trimethylbenzene	Ethyl methacrylate
1,2-Dibromo-3-chloropropane	Hexachlorobutadiene
1,2-Dibromoethane	Iodomethane
1,2-Dichlorobenzene	Isobutyl alcohol
1,2-Dichloroethane	Isopropyl benzene
1,2-Dichloropropane	m-Xylene
1,3,5-Trimethylbenzene	Methacrylonitrile
1,3-Dichlorobenzene	Methyl acetate
1,3-Dichloropropane	Methyl acrylate
1,4-Dichlorobenzene	Methyl cyclohexane
1,4-Dioxane	Methyl methacrylate
2,2-Dichloropropane	n-Butylbenzene
2-Chloroethanol	n-Propylbenzene
2-Chlorotoluene	Naphthalene
2-Nitropropane	Nitrobenzene
4-Chlorotoluene	o-Xylene
4-Isopropyltoluene	p-Xylene
Acetonitrile	Propionitrile
Acrylonitrile	sec-Butylbenzene
Allyl chloride	Styrene
Benzene	tert-Butylbenzene
Bromobenzene	Tetrachloroethylene
Bromochloromethane	Tetrahydrofuran
Bromoform	Toluene
Carbon disulfide	trans-1,2-Dichloroethylene
Carbon tetrachloride	trans-1,3-Dichloropropylene
Chlorobenzene	trans-1,4-Dichloro-2-butene
Chlorodibromomethane	Trichloroethylene

2000 ug/mL in Methanol	**C-700**	**1.5 mL**	**$100.00**
	C-700P	**4 x 1.5 mL**	**$360.00**
	C-700TP	**10 x 1.5 mL**	**$850.00**

Tech Note: Long term monitoring of this 78 component CRM documents stability exceeding 24 months from manufacturing when stored in the freezer.

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Gases Mix

Chloroethane
Dichlorodifluoromethane
Fluorotrichloromethane
Methyl bromide
Methyl chloride
Vinyl chloride

2000 ug/mL in Methanol

C-303H	**1.5 mL**	**$30.00**
C-303HP	**4 x 1.5 mL**	**$100.00**
C-303HTP	**10 x 1.5 mL**	**$216.00**

Acrolein/Acrylonitrile Mix*

Acrolein
Acrylonitrile

2000 ug/mL in Reagent Water

C-610	**1.5 mL**	**$20.00**
C-610P	**4 x 1.5 mL**	**$64.00**

20000 ug/mL in Reagent Water

C-610H	**1.5 mL**	**$25.00**
C-610HP	**4 x 1.5 mL**	**$85.00**

**Overnight shipping only. 90-day shelf life.*

Ketones Mix

Acetone
2-Hexanone
Methyl ethyl ketone
4-Methyl-2-pentanone

2000 ug/mL in Methanol/Water (4:1)

C-109H	**1.5 mL**	**$25.00**
C-109HP	**4 x 1.5 mL**	**$85.00**
C-109HTP	**10 x 1.5 mL**	**$188.00**

20000 ug/mL in Methanol/Water (4:1)

C-109HC	**1.5 mL**	**$30.00**
C-109HCP	**4 x 1.5 mL**	**$100.00**
C-109HCTP	**10 x 1.5 mL**	**$245.00**

GC/MS Tuning Standard

4-Bromofluorobenzene

2000 ug/mL in Methanol

233H	**1.5 mL**	**$25.00**
233HP	**4 x 1.5 mL**	**$85.00**

8260B Internal Standards

Chlorobenzene-d5
1,4-Dichlorobenzene-d4
Fluorobenzene

2500 ug/mL in Methanol

C-441	**1.5 mL**	**$30.00**
C-441P	**4 x 1.5 mL**	**$100.00**
C-441TP	**10 x 1.5 mL**	**$225.00**

2-Chloroethyl vinyl ether

1000 ug/mL in PT Methanol

17	**1.5 mL**	**$25.00**
17P	**4 x 1.5 mL**	**$85.00**

2000 ug/mL in PT Methanol

17H	**1.5 mL**	**$25.00**
17HP	**4 x 1.5 mL**	**$85.00**

8260B Surrogate Mix

4-Bromofluorobenzene
Dibromofluoromethane
1,2-Dichloroethane-d4
Toluene-d8

2500 ug/mL in Methanol

C-440	**1.5 mL**	**$30.00**
C-440P	**4 x 1.5 mL**	**$100.00**
C-440TP	**10 x 1.5 mL**	**$225.00**

Tech Note: We use a proprietary manufacturing process to prepare our gases mixtures. The process eliminates out-gassing assuring batch homogeneity.

8000 Series Method Standards

Method 8260 Internal Standards

Chlorobenzene-d5
1,4-Dichlorobenzene-d4
1,4-Difluorobenzene
Pentafluorobenzene

2500 ug/mL in Methanol

C-307	**1.5 mL**	**$35.00**
C-307P	**4 x 1.5 mL**	**$100.00**
C-307TP	**10 x 1.5 mL**	**$225.00**

8260 Calibration Check Mix

Chloroform
1,1-Dichloroethylene
1,2-Dichloropropane
Ethylbenzene
Toluene
Vinyl chloride

2000 ug/mL in PT Methanol

C-484	**1.5 mL**	**$30.00**

Method 8260 Surrogates

4-Bromofluorobenzene
Dibromofluoromethane
Toluene-d8

2500 ug/mL in Methanol

C-311	**1.5 mL**	**$30.00**
C-311P	**4 x 1.5 mL**	**$100.00**
C-311TP	**10 x 1.5 mL**	**$225.00**

8260 System Performance Check Mix

Bromoform
Chlorobenzene
Chloromethane
1,1-Dichloroethane
1,1,2,2-Tetrachloroethane

2000 ug/mL in P/T Methanol

C-485	**1.5 mL**	**$30.00**

VOA Matrix Spike

Benzene
Chlorobenzene
1,1-Dichloroethylene
Trichloroethylene
Toluene

2500 ug/mL in Methanol

C-193	**1.5 mL**	**$30.00**
C-193P	**4 x 1.5 mL**	**$100.00**
C-193TP	**10 x 1.5 mL**	**$225.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Single Component Oxygenates

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
1438	tert-Amyl alcohol	PT Methanol	10000	$25.00
1218H	Ethanol	DI Water	10000	$25.00
1220L	Methyl-tert-butyl ether	PT Methanol	2000	$25.00
198	tert-Amyl ethyl ether	PT Methanol	2000	$25.00
1246	Diisopropyl ether	PT Methanol	2000	$25.00
1378	Ethyl-tert-butyl ether	PT Methanol	2000	$25.00
1379L	tert-Amyl methyl ether	PT Methanol	2000	$25.00
1321H	tert-Butanol	PT Methanol	50000	$25.00
1217	Methanol	DI Water	10000	$25.00
197H	2-Methyl-2-pentanol	PT Methanol	20000	$25.00

Oxygenates Standard

tert-Amyl ethyl ether (TAEE)	2000
tert-Amyl methyl ether (TAME)	2000
tert-Butyl alcohol (TBA)	10000
Diisopropyl ether (DIPE)	2000
Ethyl-tert-butyl ether (ETBE)	2000
Methyl-tert-butyl ether (MTBE)	2000

At specified concentrations (ug/mL) in PT Methanol

C-752	**1.5 mL**	**$30.00**
C-752P	**4 x 1.5 mL**	**$100.00**
C-752TP	**10 x 1.5 mL**	**$225.00**

Method 8270 — Semivolatile Organics by GC/MS

8270 BNA Mix (76 Components)

1,2,4-Trichlorobenzene	bis(2-Chloroethoxy)methane
1,2-Dichlorobenzene	bis(2-Chloroethyl)ether
1,2-Dinitrobenzene	bis(2-Chloroisopropyl)ether
1,3-Dichlorobenzene	bis(2-Ethylhexyl)adipate
1,3-Dinitrobenzene	bis(2-Ethylhexyl)phthalate
1,4-Dichlorobenzene	Butyl benzyl phthalate
1,4-Dinitrobenzene	Carbazole
1-Methylnaphthalene	Chrysene
2,3,4,6-Tetrachlorophenol	Di-n-butyl phthalate
2,3,5,6-Tetrachlorophenol	Di-n-octyl phthalate
2,4,5-Trichlorophenol	Dibenz(a,h)anthracene
2,4,6-Trichlorophenol	Dibenzofuran
2,4-Dichlorophenol	Diethyl phthalate
2,4-Dimethylphenol	Dimethyl phthalate
2,4-Dinitrophenol	Diphenylamine
2,4-Dinitrotoluene	Fluoranthene
2,6-Dinitrotoluene	Fluorene
2-Chloronaphthalene	Hexachlorobenzene
2-Chlorophenol	Hexachlorobutadiene
2-Methylnaphthalene	Hexachlorocyclopentadiene
2-Nitrophenol	Hexachloroethane
4,6-Dinitro-2-methylphenol	Indeno(1,2,3-c,d)pyrene
4-Bromophenyl phenyl ether	Isophorone
4-Chloro-3-methylphenol	m-Cresol (500 ug/mL)
4-Chloroaniline	m-Nitroaniline
4-Chlorophenyl phenyl ether	N-Nitrosodi-n-propylamine
4-Nitrophenol	N-Nitrosodimethylamine
Acenaphthene	Naphthalene
Acenaphthylene	Nitrobenzene
Aniline	o-Cresol
Anthracene	o-Nitroaniline
Azobenzene	p-Cresol (500 ug/mL)
Benzo(a)anthracene	p-Nitroaniline
Benzo(a)pyrene	Pentachlorophenol
Benzo(b)fluoranthene	Phenanthrene
Benzo(g,h,i)perylene	Phenol
Benzo(k)fluoranthene	Pyrene
Benzyl alcohol	Pyridine

Tech Note: Long term stability testing has documented that the BNA CRM is stable for > 24 months from manufacturing.

1000 ug/mL in Methylene chloride	**C-701**	**1.5 mL**	**$110.00**
	C-701P	**4 x 1.5 mL**	**$389.00**
	C-701TP	**10 x 1.5 mL**	**$918.00**

Benzidines Mix

Benzidine
3,3'-Dichlorobenzidine

2000 ug/mL in Methanol	**C-402**	**1.5 mL**	**$25.00**
	C-402P	**4 x 1.5 mL**	**$85.00**
	C-402TP	**10 x 1.5 mL**	**$200.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

Appendix IX SVOC Mix I

a,a-Dimethylphenethylamine
2-Acetylaminofluorene
4-Aminobiphenyl
4-Dimethylaminoazobenzene
3,3'-Dimethylbenzidine
Methapyrilene
1-Naphthylamine
2-Naphthylamine
5-Nitro-o-toluidine
N-Nitrosodiethylamine
N-Nitrosodi-n-butylamine
N-Nitrosomethylethylamine
N-Nitrosomorpholine
N-Nitrosopiperidine
N-Nitrosopyrrolidine
1,4-Phenylenediamine
2-Picoline
o-Toluidine

2000 ug/mL in Methylene chloride

C-731	**1.5 mL**	**$35.00**
C-731P	**4 x 1.5 mL**	**$126.00**

8270C Organophosphorus Pesticides

Dimethoate
Disulfoton
Famphur
Methyl parathion
Parathion
Phorate
Sulfotepp
Thionazin
o,o,o-Triethylphosphorothioate

2000 ug/mL in Hexane/Methylene chloride

C-417	**1.5 mL**	**$60.00**
C-417P	**4 x 1.5 mL**	**$200.00**

Semivolatile Internal Standards

Acenaphthene-d10
Chrysene-d12
1,4-Dichlorobenzene-d4
Naphthalene-d8
Perylene-d12
Phenanthrene-d10

2000 ug/mL in Methylene chloride/Carbon disulfide

C-394L	**1.5 mL**	**$45.00**
C-394LP	**4 x 1.5 mL**	**$155.00**
C-394LTP	**10 x 1.5 mL**	**$360.00**

4000 ug/mL in Methylene chloride/Carbon disulfide

C-394H	**1.5 mL**	**$78.00**
C-394HP	**4 x 1.5 mL**	**$248.00**
C-394HTP	**10 x 1.5 mL**	**$565.00**

Appendix IX SVOC Mix 2

Aramite
Acetophenone
Chlorobenzilate
1-Chloronaphthalene
Diallate (cis and trans)
Dibenz(a,j)acridine
2,6-Dichlorophenol
7,12-Dimethylbenz(a)anthracene
Ethyl methanesulfonate
Hexachloropropene
Isodrin
Isosafrole (cis and trans)
Kepone
3-Methylcholanthrene
1,4-Naphthoquinone
4-Nitroquinoline-N-oxide
Pentachlorobenzene
Methyl methanesulfonate
Pentachloronitrobenzene
Pentachloroethane
Phenacetin
Pronamide
Safrole
1,2,4,5-Tetrachlorobenzene
1,3,5-Trinitrobenzene
Dinoseb
3,5-Dimethylphenol
4-Chlorophenol

1000 ug/mL in Methylene chloride

C-732	**1.5 mL**	**$51.00**
C-732P	**4 x 1.5 mL**	**$185.00**

Benzidines Mix II

Benzidine
3,3'-Dichlorobenzidine
3,3'-Dimethylbenzidine

2000 ug/mL in Methanol

C-411	**1.5 mL**	**$30.00**
C-411P	**4 x 1.5 mL**	**$90.00**

BNA Surrogate Calibration Standard

2-Fluorophenol
Phenol-d5
2,4,6-Tribromophenol
2-Fluorobiphenyl
Nitrobenzene-d5
p-Terphenyl-d14

4000 ug/mL in Methylene chloride

C-603	**1.5 mL**	**$88.00**
C-603P	**4 x 1.5 mL**	**$300.00**

Product Note:

Use these mixtures along with C-701 (page 30) to prepare full appendix list calibration standards.

Check This Out:

One ampule of our 4000 ug/mL Semivolatile Internal Standards (Part# C-394H) can fortify 150 extracts at a cost of less than 38 cents each.

8000 Series Method Standards

Organic Acids Surrogate

2-Fluorophenol
Phenol-d5
2,4,6-Tribromophenol

2000 ug/mL in Methanol

C-131L	**1.5 mL**	**$30.00**
C-131LP	**4 x 1.5 mL**	**$100.00**
C-131LTP	**10 x 1.5 mL**	**$180.00**

10000 ug/mL in Methanol

C-131H	**1.5 mL**	**$40.00**
C-131HP	**4 x 1.5 mL**	**$145.00**
C-131HTP	**10 x 1.5 mL**	**$320.00**
C-131H5	**5 mL**	**$90.00**
C-131H5P	**4 x 5 mL**	**$325.00**
C-131H5TP	**10 x 5 mL**	**$720.00**

Base/Neutrals Surrogates

2-Fluorobiphenyl
Nitrobenzene-d5
p-Terphenyl-d14

1000 ug/mL in Methylene chloride

C-376L	**1.5 mL**	**$30.00**
C-376LP	**4 x 1.5 mL**	**$100.00**
C-376LTP	**10 X 1.5 mL**	**$180.00**

5000 ug/mL in Methylene chloride

C-376H	**1.5 mL**	**$40.00**
C-376HP	**4 x 1.5 mL**	**$145.00**
C-376HTP	**10 X 1.5 mL**	**$320.00**
C-376H5	**5 mL**	**$90.00**
C-376H5P	**4 x 5 mL**	**$325.00**
C-376H5TP	**10 X 5 mL**	**$720.00**

Base/Neutrals Calibration Check Mix

Acenaphthene
Benzo(a)pyrene
1,4-Dichlorobenzene
Di-n-octyl phthalate
Fluoranthene
Hexachlorobutadiene
N-Nitrosodiphenylamine

2000 ug/mL in Methylene chloride

C-438	**1.5 mL**	**$25.00**
C-438P	**4 x 1.5 mL**	**$85.00**

8270 Tuning Mix

Benzidine
Pentachlorophenol
4,4'-DDT
DFTPP

500 ug/mL in Methylene chloride

C-491	**1.5 mL**	**$25.00**

Acids Calibration Check Mix

4-Chloro-3-methylphenol
2,4-Dichlorophenol
2-Nitrophenol
Phenol
Pentachlorophenol
2,4,6-Trichlorophenol

2000 ug/mL in Methylene chloride

C-437	**1.5 mL**	**$25.00**
C-437P	**4 x 1.5 mL**	**$85.00**

Base/Neutrals Matrix Spike

Acenaphthene
1,4-Dichlorobenzene
2,4-Dinitrotoluene
N-Nitrosodi-n-propylamine
Pyrene
1,2,4-Trichlorobenzene

5000 ug/mL in Methanol

C-190	**1.5 mL**	**$45.00**
C-190P	**4 x 1.5 mL**	**$155.00**
C-190-5	**5 mL**	**$80.00**

System Performance Check Mix

2,4-Dinitrophenol
Hexachlorocyclopentadiene
4-Nitrophenol
N-Nitrosodi-n-propylamine

2000 ug/mL in Methylene chloride

C-439	**1.5 mL**	**$25.00**
C-439P	**4 x 1.5 mL**	**$85.00**

Acids Matrix Spike

4-Chloro-3-methylphenol
2-Chlorophenol
4-Nitrophenol
Pentachlorophenol
Phenol

7500 ug/mL in Methanol

C-191	**1.5 mL**	**$45.00**
C-191P	**4 x 1.5 mL**	**$155.00**
C-191-5	**5 mL**	**$80.00**

Compare:

Our high concentration surrogate solutions can reduce spike cost to under 30 cents per sample.

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

GC/MS Tuning Standard

DFTPP

25 ug/mL in Methylene chloride

1010TP	**4 x 1 mL**	**$35.00**
1010T-TP	**10 x 1 mL**	**$60.00**

2500 ug/mL in Methylene chloride

1010H	**1.5 mL**	**$25.00**
1010HP	**4 x 1.5 mL**	**$85.00**

8270 Calibration Mix 1

Benzoic acid	3-Methylphenol
4-Chloro-3-methylphenol	4-Methylphenol
2-Chlorophenol	2-Nitrophenol
2,4-Dichlorophenol	4-Nitrophenol
2,6-Dichlorophenol	Pentachlorophenol
2,4-Dimethylphenol	Phenol
4,6-Dinitro-2-methylphenol	2,3,4,6-Tetrachlorophenol
2,4-Dinitrophenol	2,4,5-Trichlorophenol
Dinoseb	2,4,6-Trichlorophenol
2-Methylphenol	

2000 ug/mL in Methylene chloride

C-519	**1.5 mL**	**$50.00**
C-519P	**4 x 1.5 mL**	**$180.00**

8270 Calibration Mix 2

Aniline	3-Nitroaniline
Benzidine	4-Nitroaniline
4-Chloroaniline	N-Nitrosodimethylamine
3,3'-Dichlorobenzidine	N-Nitrosodi-n-propylamine
Diphenylamine	Pyridine
2-Nitroaniline	

2000 ug/mL in Methylene chloride/Methanol

C-520	**1.5 mL**	**$35.00**
C-520P	**4 x 1.5 mL**	**$125.00**

8270 Calibration Mix 3

Aramite	Hexachlorobenzene
bis(2-Chloroethyl)ether	Hexachlorobutadiene
bis(2-Chloroethoxy)methane	Hexachlorocyclopentadiene
bis(2-Chloroisopropyl)ether	Hexachloroethane
4-Bromophenyl phenyl ether	Hexachloropropene
Chlorobenzilate	Isodrin
2-Chloronaphthalene	Kepone
4-Chlorophenyl phenyl ether	Pentachlorobenzene
1,2-Dichlorobenzene	Pentachloronitrobenzene
1,3-Dichlorobenzene	1,2,4,5-Tetrachlorobenzene
1,4-Dichlorobenzene	1,2,4-Trichlorobenzene
1,3-Dinitrobenzene	

2000 ug/mL in Methylene chloride

C-521	**1.5 mL**	**$50.00**
C-521P	**4 x 1.5 mL**	**$180.00**

8270 Calibration Mix 4

Acetophenone	2,6-Dinitrotoluene
Azobenzene	Ethyl methanesulfonate
Benzyl alcohol	Isophorone
bis(2-Ethylhexyl)phthalate	Isosafrole (cis and trans)
Butyl benzyl phthalate	Methyl methanesulfonate
Dibenzofuran	1,4-Naphthoquinone
Diethyl phthalate	Nitrobenzene
Dimethyl phthalate	4-Nitroquinoline-1-oxide
Di-n-butyl phthalate	Phenacetin
Di-n-octyl phthalate	Safrole
2,4-Dinitrotoluene	1,3,5-Trinitrobenzene

2000 ug/mL in Methylene chloride

C-522	**1.5 mL**	**$50.00**
C-522P	**4 x 1.5 mL**	**$180.00**

8270 Calibration Mix 5

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

2000 ug/mL in Methylene chloride

C-523	**1.5 mL**	**$90.00**
C-523P	**4 x 1.5 mL**	**$324.00**

See Method 625 for additional mixtures applicable to GC/MS semivolatiles analysis

Method 8310 — PAHs by HPLC

Polynuclear Aromatics

Acenaphthene	1000
Acenaphthylene	2000
Anthracene	100
Benzo(a)anthracene	100
Benzo(a)pyrene	100
Benzo(b)fluoranthene	200
Benzo(g,h,i)perylene	200
Benzo(k)fluoranthene	100
Chrysene	100
Dibenz(a,h)anthracene	200
Fluoranthene	200
Fluorene	200
Indeno(1,2,3-c,d)pyrene	100
Naphthalene	1000
Phenanthrene	100
Pyrene	100

At specified concentrations (ug/mL) in Methylene chloride/Methanol (1:1)

C-436	**1.5 mL**	**$40.00**
C-436P	**4 x 1.5 mL**	**$140.00**
C-436TP	**10 x 1.5 mL**	**$300.00**

Surrogate

Decafluorobiphenyl

1000 ug/mL in Acetonitrile

339	**1.5 mL**	**$25.00**
339P	**4 x 1.5 mL**	**$85.00**

Single Component PAH Standards in Methanol, 1000 ug/mL each

Catalog Number	Compound	Price per 1.5 mL ampule
1	Acenaphthene	$25.00
75	Acenaphthylene	$25.00
76-M	Anthracene	$25.00
70	Benzo(a)anthracene	$25.00
71-M	Benzo(a)pyrene	$25.00
72-M	Benzo(b)fluoranthene	$25.00
73-M	Benzo(k)fluoranthene	$25.00
77-M	Benzo(g,h,i)perylene	$25.00
74-M	Chrysene	$25.00
231-M	Dibenz(a,h)anthracene	$25.00
37-M	Fluoranthene	$25.00
78-M	Fluorene	$25.00
81-M	Indeno(1,2,3-c,d)pyrene	$25.00
53-M	Naphthalene	$25.00
79	Phenanthrene	$25.00
82	Pyrene	$25.00
1288-M	1-Methylnaphthalene	$25.00
562-M	2-Methylnaphthalene	$25.00

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Method 8330—Nitroaromatics/Nitramines By HPLC

Method 8330A Calibration Standard Mix 1

2-Amino-4,6-dinitrotoluene
1,3-Dinitrobenzene
2,4-Dinitrotoluene
HMX
Nitrobenzene
RDX
1,3,5-Trinitrobenzene
2,4,6-Trinitrotoluene

100 ug/mL in Acetonitrile

C-753 **1 mL** **$50.00**

Method 8330A Calibration Standard Mix 2

4-Amino-2,6-dinitrotoluene
2,6-Dinitrotoluene
2-Nitrotoluene
3-Nitrotoluene
4-Nitrotoluene
Tetryl

100 ug/mL in Acetonitrile

C-754 **1 mL** **$50.00**

Surrogate

1,2-Dinitrotoluene

1000 ug/mL in Methanol

1483-M **1 mL** **$25.00**

Internal Standard

3,4-Dinitrotoluene

1000 ug/mL in Methanol

279-M **1 mL** **$25.00**

Single Component Standards in Acetonitrile, 1000 ug/mL each

Catalog Number	Compound	Price per 1 mL ampule
254-A	2-Amino-4,6-dinitrotoluene	$35.00
255	4-Amino-2,6-dinitrotoluene	$35.00
527-A	1,3-Dinitrobenzene	$25.00
33-A	2,4-Dinitrotoluene	$25.00
34-A	2,6-Dinitrotoluene	$25.00
409	HMX	$50.00
54-A	Nitrobenzene	$25.00
1043	2-Nitrotoluene	$25.00
1044	3-Nitrotoluene	$25.00
1045	4-Nitrotoluene	$25.00
415	RDX	$50.00
416	Tetryl	$50.00
906	1,3,5-Trinitrobenzene	$25.00
417	2,4,6-Trinitrotoluene	$50.00

500 Series
Method Standards

Our product line for the 500 series methods has been focused on providing CRMs for your most commonly performed analyses. All of our major standards for drinking water volatile analysis are certified as ISO 34 CRMs. These CRMs are certified to be stable for at least 4 years from manufacturing when stored in the freezer. If your lab is engaged in GC analysis for Organophosphorus Pesticides, check out our mixtures on page 40 and our comprehensive line of single component OP Pesticides standards on page 41.

Method 501 — Trihalomethanes in Drinking Water	pg. 37
Method 502.2 — Volatile Organics in Drinking Water	pg. 38
Method 504.1 — EDB/DBCP	pg. 38
Method 505 — Pesticides/PCBs in Drinking Water	pg. 39
Method 507 — OP Pesticides in Drinking Water	pg. 40
Method 524.2 — Volatile Organics in Drinking Water	pg. 42

ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Method 501 — Trihalomethanes in Drinking Water

Trihalomethanes

Bromoform
Chloroform
Chlorodibromomethane
Dichlorobromomethane

200 ug/mL in Methanol	**C-388L**	**1.5 mL**	**$23.00**
	C-388LP	**4 x 1.5 mL**	**$70.00**
2000 ug/mL in Methanol	**C-388**	**1.5 mL**	**$25.00**
	C-388P	**4 x 1.5 mL**	**$85.00**

Single Analyte Solutions

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
212	Bromoform	PT Methanol	2000	$25.00
200H	Chlorodibromomethane	PT Methanol	2000	$25.00
21	Chloroform	PT Methanol	2000	$25.00
46	Dichlorobromomethane	PT Methanol	2000	$25.00

Did You Know?

NSI Solutions is a TNI Accredited PT Provider. You can view our PT studies on our website at www.nsi-es.com.

Method 502.2 — Volatile Organics in Drinking Water

See Method 524.2 (page 42) for calibration standards.

502.2 Internal Standard 1

1-Chloro-2-fluorobenzene

2000 ug/mL in PT Methanol

119	**1.5 mL**	**$25.00**
119P	**4 x 1.5 mL**	**$85.00**

502.2 Internal Standard 2

2-Bromo-1-chloropropane

Fluorobenzene

2000 ug/mL in Methanol

C-475	**1.5 mL**	**$25.00**
C-475P	**4 x 1.5 mL**	**$85.00**

502.2 Surrogate Mix 1

Fluorobenzene

1-Bromo-2-chloroethane

1-Chloro-3-fluorobenzene

2000 ug/mL in Methanol

C-495	**1.5 mL**	**$30.00**
C-495P	**4 x 1.5 mL**	**$100.00**

502.2 Surrogate Mix 2

1-Bromo-2-chloroethane

4-Bromochlorobenzene

1-Chloro-3-fluorobenzene

Fluorobenzene

2000 ug/mL in PT Methanol

C-479	**1.5 mL**	**$30.00**
C-479P	**4 x 1.5 mL**	**$100.00**

Method 504.1 — EDB/DBCP

EDB/DBCP

1,2-Dibromoethane

1,2-Dibromo-3-chloropropane

2000 ug/mL in Methanol

C-398H	**1.5 mL**	**$25.00**
C-398HP	**4 x 1.5 mL**	**$85.00**

504.1 Mix

1,2-Dibromoethane

1,2-Dibromo-3-chloropropane

1,2,3-Trichloropropane

2000 ug/mL in Methanol

C-640	**1.5 mL**	**$25.00**
C-640P	**4 x 1.5 mL**	**$85.00**

1,2-Dibromoethane

2000 ug/mL in PT Methanol

171	**1.5 mL**	**$25.00**
171P	**4 x 1.5 mL**	**$85.00**

1,2-Dibromo-3-chloropropane

2000 ug/mL in PT Methanol

993	**1.5 mL**	**$25.00**
993P	**4 x 1.5 mL**	**$85.00**

1,2,3-Trichloropropane

2000 ug/mL in PT Methanol

368	**1.5 mL**	**$25.00**
368P	**4 x 1.5 mL**	**$85.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

Method 505 — Pesticides/PCBs in Drinking Water

505 Organochlorine Pesticides Standard

Aldrin	Heptachlor
Alachlor	Heptachlor epoxide (B)
Atrazine	Hexachlorobenzene
gamma-BHC	Hexachlorocyclopentadiene
alpha-Chlordane	4,4'-Methoxychlor
gamma-Chlordane	cis-Nonachlor
Dieldrin	trans-Nonachlor
Endrin	Simazine

200 ug/mL in Acetone

C-695	**1.5 mL**	**$38.00**
C-695P	**4 x 1.5 mL**	**$130.00**

Toxaphene Standards

2000 ug/mL in Methanol	**111-M**	**1.5 mL**	**$25.00**
	111-MP	**4 x 1.5 mL**	**$85.00**

PCB Arochlor Solutions

All of our PCB single arochlor standards are ISO 34 CRMs and they are formulated using the original Monsanto Arochlor® materials.

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
125	Arochlor 1016	Iso-octane	5000	$25.00
126	Arochlor 1221	Iso-octane	5000	$25.00
107	Arochlor 1232	Iso-octane	5000	$25.00
132	Arochlor 1242	Iso-octane	5000	$25.00
108	Arochlor 1248	Iso-octane	5000	$25.00
135	Arochlor 1254	Iso-octane	5000	$25.00
129	Arochlor 1260	Iso-octane	5000	$25.00
125L	Arochlor 1016	Hexane	50	$15.00
126L	Arochlor 1221	Hexane	50	$15.00
107L	Arochlor 1232	Hexane	50	$15.00
132L	Arochlor 1242	Hexane	50	$15.00
108L	Arochlor 1248	Hexane	50	$15.00
135L	Arochlor 1254	Hexane	50	$15.00
129L	Arochlor 1260	Hexane	50	$15.00
125M	Arochlor 1016	Methanol	1000	$25.00
126M	Arochlor 1221	Methanol	1000	$25.00
107M	Arochlor 1232	Methanol	1000	$25.00
132M	Arochlor 1242	Methanol	1000	$25.00
108M	Arochlor 1248	Methanol	1000	$25.00
135M	Arochlor 1254	Methanol	1000	$25.00
129M	Arochlor 1260	Methanol	1000	$25.00

Arochlor® is a registered trademark of Monsanto Corporation.

Method 507 — OP Pesticides in Drinking Water

Method 507 is a GC method applicable to clean water samples. Requirements vary greatly between laboratories and regions; therefore, we offer a complete line of single component standards along with custom formulation services to meet your specific needs.

Organophosphorus Pesticides Mix I

- Azinphos methyl
- Bolstar
- Chlorpyrifos
- Coumaphos
- Demeton (total)
- Diazinon
- Dichlorvos
- Disulfoton
- Ethoprop
- Fensulfothion
- Fenthion
- Merphos
- Methyl parathion
- Mevinphos
- Naled
- Phorate
- Ronnel
- Stirofos
- Tokuthion
- Trichlornate

200 ug/mL in Hexane/Acetone (80:20)

C-623	**1.5 mL**	**$120.00**
C-623P	**4 x 1.5 mL**	**$384.00**

Organophosphorus Pesticides Mix II

- Dimethoate
- EPN
- Malathion
- Monocrotophos
- Parathion
- Sulfotepp
- TEPP

200 ug/mL in Hexane/Acetone (1:1)

C-624	**1.5 mL**	**$60.00**
C-624P	**4 x 1.5 mL**	**$192.00**

Method 507 Surrogate

1,3-Dimethyl-2-nitrobenzene

250 ug/mL in MTBE

1157	**1.5 mL**	**$25.00**
1157P	**4 x 1.5 mL**	**$85.00**

Method 507 Internal Standard

Triphenyl phosphate

500 ug/mL in MTBE

1702	**1.5 mL**	**$25.00**
1702P	**4 x 1.5 mL**	**$85.00**

Tech Note: Organophosphorus Pesticides mixtures are unstable when exposed to water, heat, and light. These mixtures are formulated in anhydrous solvents and ampuled under dry argon. Store in the freezer in the dark.

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

Single Component Organophosphorus Pesticides*

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
804–HA	Aspon	Hexane/Acetone	1000	$25.00
1090–HA	Atrazine	Hexane/Acetone	1000	$25.00
53820–HA	Azinphos methyl	Hexane/Acetone	1000	$25.00
1161–HA	Azinphos ethyl	Hexane/Acetone	1000	$25.00
1646–HA	Bolstar (Sulprofos)	Hexane/Acetone	1000	$25.00
1703–HA	Carbophenothion	Hexane/Acetone	1000	$25.00
51300–HA	Chlorfenvinphos	Hexane/Acetone	1000	$25.00
52900–HA	Chlorpyrifos	Hexane/Acetone	1000	$25.00
1716–HA	Chlorpyrifos methyl	Hexane/Acetone	1000	$25.00
1647–HA	Coumaphos	Hexane/Acetone	1000	$25.00
805–HA	Crotoxyphos	Hexane/Acetone	1000	$25.00
1610–HA	Demeton, O and S	Hexane/Acetone	1000	$25.00
52080–HA	Diazinon	Hexane/Acetone	1000	$25.00
1717–HA	Dichlofenthion	Hexane/Acetone	1000	$25.00
52320–HA	Dichlorvos	Hexane/Acetone	1000	$25.00
611–HA	Dicrotophos	Hexane/Acetone	1000	$25.00
345–HA	Dimethoate	Hexane/Acetone	1000	$25.00
161–HA	Dioxathion	Hexane/Acetone	1000	$25.00
654–HA	Disulfoton	Hexane/Acetone	1000	$25.00
1604–HA	EPN	Hexane/Acetone	1000	$25.00
1607–HA	Ethion	Hexane/Acetone	1000	$25.00
1486–HA	Ethoprop	Hexane/Acetone	1000	$25.00
727–HA	Famphur	Hexane/Acetone	1000	$25.00
53480–HA	Fenitrothion	Hexane/Acetone	1000	$25.00
53500–HA	Fensulfothion	Hexane/Acetone	1000	$25.00
53520–HA	Fenthion	Hexane/Acetone	1000	$25.00
52910–HA	Fonophos	Hexane/Acetone	1000	$25.00
418–HA	Hexamethylphosphoramide	Hexane/Acetone	1000	$25.00
162–HA	Leptophos	Hexane/Acetone	1000	$25.00
54260–HA	Malathion	Hexane/Acetone	1000	$25.00
1648–HA	Merphos	Hexane/Acetone	1000	$25.00
54640–HA	Mevinphos	Hexane/Acetone	1000	$25.00
50360–HA	Monocrotophos	Hexane/Acetone	1000	$25.00
54860–HA	Naled	Hexane/Acetone	1000	$25.00
560–HA	Parathion ethyl	Hexane/Acetone	1000	$25.00
572–HA	Parathion methyl	Hexane/Acetone	1000	$25.00
869–HA	Phorate	Hexane/Acetone	1000	$25.00
757–HA	Phosmet	Hexane/Acetone	1000	$25.00
1489–HA	Phosphamidon	Hexane/Acetone	1000	$25.00
1529–HA	Ronnel	Hexane/Acetone	1000	$25.00
1094–HA	Simazine	Hexane/Acetone	1000	$25.00
1533–HA	Stirophos	Hexane/Acetone	1000	$25.00
924–HA	Sulfotep	Hexane/Acetone	1000	$25.00
1652–HA	TEPP	Hexane/Acetone	1000	$25.00
56573–HA	Terbufos	Hexane/Acetone	1000	$25.00
1287–HA	Thionazin	Hexane/Acetone	1000	$25.00
1649–HA	Tokuthion	Hexane/Acetone	1000	$25.00
1490–HA	Trichlorfon	Hexane/Acetone	1000	$25.00
1651–HA	Trichloronate	Hexane/Acetone	1000	$25.00
420–HA	Tritolyl phosphate	Hexane/Acetone	1000	$25.00

**May require 5 business day lead time dependent upon stock status.*

Method 524.2 — Volatile Organics in Drinking Water

New!

Drinking Water VOC Standard (73 Components)

1,1,1,2-Tetrachloroethane	4-Isopropyltoluene	Methacrylate
1,1,1-Trichloroethane	Acrylonitrile	Methacrylonitrile
1,1,2,2-Tetrachloroethane	Allyl chloride	Methyl-tert-butyl ether (MTBE)
1,1,2-Trichloroethane	Benzene	Methylene chloride
1,1-Dichloroethane	Bromobenzene	Methyl methacrylate
1,1-Dichloroethylene	Bromochloromethane	n-Butylbenzene
1,1-Dichloropropylene	Bromodichloromethane	n-Propylbenzene
1,2,3-Trichlorobenzene	Bromoform	Naphthalene
1,2,3-Trichloropropane	Carbon disulfide	Nitrobenzene
1,2,4-Trichlorobenzene	Carbon tetrachloride	o-Xylene
1,2,4-Trimethylbenzene	Chloroacetonitrile	p-Xylene
1,2-Dibromo-3-chloropropane	Chlorobenzene	Pentachloroethane
1,2-Dibromoethane	Chlorodibromomethane	Propionitrile
1,2-Dichlorobenzene	Chloroform	sec-Butylbenzene
1,2-Dichloroethane	cis-1,2-Dichloroethylene	Styrene
1,2-Dichloropropane	cis-1,3-Dichloropropylene	tert-Butylbenzene
1,3,5-Trimethylbenzene	Dibromomethane	Tetrachloroethylene
1,3-Dichlorobenzene	Diethyl ether	Tetrahydrofuran
1,3-Dichloropropane	Ethylbenzene	Toluene
1,4-Dichlorobenzene	Ethyl methacrylate	trans-1,2-Dichloro-2-butene
1-Chlorobutane	Hexachlorobutadiene	trans-1,2-Dichloroethylene
2,2-Dichloropropane	Hexachloroethane	trans-1,3-Dichloropropylene
2-Chlorotoluene	Iodomethane	Trichloroethylene
2-Nitropropane	Isopropylbenzene	
4-Chlorotoluene	m-Xylene	

2000 ug/mL in PT Methanol

C-716	**1.5 mL**	**$130.00**
C-716P	**4 x 1.5 mL**	**$442.00**

Ketones Mix

Acetone
2-Hexanone
Methyl ethyl ketone
4-Methyl-2-pentanone

2000 ug/mL in Methanol/Water (4:1)

C-109H	**1.5 mL**	**$25.00**
C-109HP	**4 x 1.5 mL**	**$85.00**
C-109HTP	**10 x 1.5 mL**	**$188.00**

Ketones Mix II

Acetone
2-Hexanone
Methyl ethyl ketone
4-Methyl-2-pentanone
1,1-Dichloro-2-propanone

5000 ug/mL in Methanol/Water (4:1)

C-717	**1.5 mL**	**$32.00**
C-717P	**4 x 1.5 mL**	**$100.00**
C-717TP	**10 x 1.5 mL**	**$240.00**

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

VOC Standard (54 Components)

1,1,1,2-Tetrachloroethane	Bromoform
1,1,1-Trichloroethane	Carbon tetrachloride
1,1,2,2-Tetrachloroethane	Chlorobenzene
1,1,2-Trichloroethane	Chlorodibromomethane
1,1-Dichloroethane	Chloroform
1,1-Dichloroethylene	cis-1,2-Dichloroethylene
1,1-Dichloropropylene	cis-1,3-Dichloropropylene
1,2,3-Trichlorobenzene	Dibromomethane
1,2,3-Trichloropropane	Dichlorobromomethane
1,2,4-Trichlorobenzene	Dichloromethane
1,2,4-Trimethylbenzene	Ethylbenzene
1,2-Dibromo-3-chloropropane	Hexachlorobutadiene
1,2-Dibromoethane	Isopropyl benzene
1,2-Dichlorobenzene	m-Xylene
1,2-Dichloroethane	n-Butylbenzene
1,2-Dichloropropane	n-Propylbenzene
1,3,5-Trimethylbenzene	Naphthalene
1,3-Dichlorobenzene	o-Xylene
1,3-Dichloropropane	p-Xylene
1,4-Dichlorobenzene	sec-Butylbenzene
2,2-Dichloropropane	Styrene
2-Chlorotoluene	tert-Butylbenzene
4-Chlorotoluene	Tetrachloroethylene
4-Isopropyltoluene	Toluene
Benzene	trans-1,2-Dichloroethylene
Bromobenzene	trans-1,3-Dichloropropylene
Bromochloromethane	Trichloroethylene

2000 ug/mL in PT Methanol

C-349H	**1.5 mL**	**$83.00**
C-349HP	**4 x 1.5 mL**	**$280.00**
C-349HTP	**10 x 1.5 mL**	**$700.00**

Gases Mix

Chloroethane
Dichlorodifluoromethane
Fluorotrichloromethane
Methyl bromide
Methyl chloride
Vinyl chloride

2000 ug/mL in Methanol

C-303H	**1.5 mL**	**$30.00**
C-303HP	**4 x 1.5 mL**	**$100.00**
C-303HTP	**10 x 1.5 mL**	**$216.00**

Tech Note: Catalog numbers C-349H, C-350H, and C-303H are stable for at least 4 years from manufacturing when stored in the freezer.

500 Series Method Standards

New!

Volatiles Mix with Gases (61 Components)

1,1,1,2-Tetrachloroethane	2-Chlorotoluene	Isopropyl benzene
1,1,1-Trichloroethane	4-Chlorotoluene	m-Xylene
1,1,2,2-Tetrachloroethane	4-Isopropyltoluene	Methyl-tert-butyl ether (MTBE)
1,1,2-Trichloroethane	Benzene	Methyl bromide
1,1-Dichloroethane	Bromobenzene	Methyl chloride
1,1-Dichloroethylene	Bromochloromethane	n-Butylbenzene
1,1-Dichloropropylene	Bromoform	n-Propylbenzene
1,2,3-Trichlorobenzene	Carbon tetrachloride	Naphthalene
1,2,3-Trichloropropane	Chlorobenzene	o-Xylene
1,2,4-Trichlorobenzene	Chlorodibromomethane	p-Xylene
1,2,4-Trimethylbenzene	Chloroethane	sec-Butylbenzene
1,2-Dibromo-3-chloropropane	Chloroform	Styrene
1,2-Dibromoethane	cis-1,2-Dichloroethylene	tert-Butylbenzene
1,2-Dichlorobenzene	cis-1,3-Dichloropropylene	Tetrachloroethylene
1,2-Dichloroethane	Dibromomethane	Toluene
1,2-Dichloropropane	Dichlorobromomethane	trans-1,2-Dichloroethylene
1,3,5-Trimethylbenzene	Dichlorodifluoromethane	trans-1,3-Dichloropropylene
1,3-Dichlorobenzene	Dichloromethane	Trichloroethylene
1,3-Dichloropropane	Ethylbenzene	Vinyl chloride
1,4-Dichlorobenzene	Fluorotrichloromethane	
2,2-Dichloropropane	Hexachlorobutadiene	

1000 ug/mL in PT Methanol

C-350H	**1.5 mL**	**$86.00**
C-350HP	**4 x 1.5 mL**	**$295.00**
C-350HTP	**10 x 1.5 mL**	**$730.00**

524.2 Fortification Standard

4-Bromofluorobenzene

1,2-Dichlorobenzene-d4

Fluorobenzene

2000 ug/mL in PT Methanol

C-477	**1.5 mL**	**$25.00**
C-477P	**4 x 1.5 mL**	**$85.00**
C-477TP	**10 x 1.5 mL**	**$215.00**

524.2 Surrogate Mix 1

1-Bromo-4-fluorobenzene

1,2-Dichlorobenzene-d4

2000 ug/mL in PT Methanol

C-714	**1.5 mL**	**$25.00**
C-714P	**4 x 1.5 mL**	**$85.00**
C-714TP	**10 x 1.5 mL**	**$170.00**

524.2 Surrogate Mix 2

4-Bromofluorobenzene

α,α,α-Trifluorotoluene

2500 ug/mL in PT Methanol

C-715	**1.5 mL**	**$25.00**
C-715P	**4 x 1.5 mL**	**$85.00**
C-715TP	**10 x 1.5 mL**	**$170.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

600 Series

Method Standards

Our product line for the 600 series methods is focused on providing CRMs for your most commonly performed analyses. All of our major standards for volatile and semivolatile analysis are certified as ISO 34 CRMs. These CRMs are certified to be stable for at least 2 years from manufacturing when stored unopened as directed. If your lab is engaged in PCB analysis, see our line of single component PCB CRMs on page 48. All PCB CRMs are formulated from the original Monsanto Arochlor® materials.

Method 601/602 — Purgeable Halocarbons and Aromatics	pg. 46
Method 608 — Organochlorine Pesticides and PCBs	pg. 47
Method 610 — Polynuclear Aromatics	pg. 49
Method 624 — Purgeable Organics	pg. 49
Method 625 — Semivolatile Organics	pg. 51

Arochlor® is a registered trademark of Monsanto Corporation.

Method 601/602 — Purgeable Halocarbons and Aromatics

Tech Note: 2-Chloroethyl vinyl ether is unstable in the presence of halocarbons. That's why we separate it as a single standard.

Method 601 Halocarbons Mix (22 Components)

Bromoform	1,1-Dichloroethylene
Carbon tetrachloride	trans-1,2-Dichloroethylene
Chlorobenzene	Dichloromethane
Chloroform	1,2-Dichloropropane
Chlorodibromomethane	cis-1,3-Dichloropropylene
1,2-Dichlorobenzene	trans-1,3-Dichloropropylene
1,3-Dichlorobenzene	1,1,2,2-Tetrachloroethane
1,4-Dichlorobenzene	Tetrachloroethylene
Dichlorobromomethane	1,1,1-Trichloroethane
1,1-Dichloroethane	1,1,2-Trichloroethane
1,2-Dichloroethane	Trichloroethylene

2000 ug/mL in Methanol

C-452	**1.5 mL**	**$40.00**
C-452P	**4 x 1.5 mL**	**$125.00**

Method 601 Halocarbons (26 Components)

Bromoform	trans-1,2-Dichloroethylene
Carbon tetrachloride	Dichloromethane
Chlorobenzene	1,2-Dichloropropane
Chloroform	cis-1,3-Dichloropropylene
Chlorodibromomethane	trans-1,3-Dichloropropylene
1,2-Dichlorobenzene	1,1,2,2-Tetrachloroethylene
1,3-Dichlorobenzene	Tetrachloroethylene
1,4-Dichlorobenzene	1,1,1-Trichloroethane
Dichlorobromomethane	1,1,2-Trichloroethane
1,1-Dichloroethane	Trichloroethylene
1,2-Dichloroethane	Chloromethane
1,1-Dichloroethylene	Bromomethane
Dichlorodifluoromethane	Chloroethane
Trichlorofluoromethane	Vinyl chloride

2000 ug/mL in Methanol

C-453	**1.5 mL**	**$55.00**
C-453P	**4 x 1.5 mL**	**$155.00**

2-Chloroethyl vinyl ether

1000 ug/mL in PT Methanol

17	**1.5 mL**	**$25.00**
17P	**4 x 1.5 mL**	**$85.00**

2000 ug/mL in PT Methanol

17H	**1.5 mL**	**$25.00**
17HP	**4 x 1.5 mL**	**$85.00**

Purgeable Aromatics

Benzene
Chlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Ethylbenzene
Toluene

2000 ug/mL in Methanol

C-381	**1.5 mL**	**$25.00**
C-381P	**4 x 1.5 mL**	**$85.00**

Gases Mix

Chloroethane
Dichlorodifluoromethane
Fluorotrichloromethane
Methyl bromide
Methyl chloride
Vinyl chloride

2000 ug/mL in Methanol

C-303H	**1.5 mL**	**$30.00**
C-303HP	**4 x 1.5 mL**	**$100.00**

601/8010 Surrogates Mix

Bromochloromethane
2-Bromo-1-chloropropane
1,4-Dichlorobutane

2000 ug/mL in Methanol

C-399	**1.5 mL**	**$20.00**
C-399P	**4 x 1.5 mL**	**$65.00**

Method 601/602 Surrogate

alpha, alpha, alpha-Trifluorotoluene

2000 ug/mL in PT Methanol

1261	**1.5 mL**	**$25.00**
1261P	**4 x 1.5 mL**	**$85.00**

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

BTEX

Benzene
Ethylbenzene
Toluene
o-Xylene
m-Xylene
p-Xylene

2000 ug/mL in Methanol

C-301	**1.5 mL**	**$25.00**
C-301P	**4 x 1.5 mL**	**$85.00**

BTEX with Methyl-tert-butyl-ether

Benzene
Ethylbenzene
Methyl-tert-butyl ether
Toluene
o-Xylene
m-Xylene
p-Xylene

2000 ug/mL in Methanol

UST-120	**1.5 mL**	**$25.00**
UST-120P	**4 x 1.5 mL**	**$85.00**

Method 608 — Organochlorine Pesticides and PCBs

Method 608 Organochlorine Pesticides Standard

Aldrin	Dieldrin
alpha-BHC	Endosulfan I
beta-BHC	Endosulfan II
delta-BHC	Endosulfan sulfate
gamma-BHC	Endrin
4,4'-DDD	Endrin aldehyde
4,4'-DDE	Heptachlor
4,4'-DDT	Heptachlor epoxide (B)

2000 ug/mL in Methanol

C-454	**1.5 mL**	**$45.00**
C-454P	**4 x 1.5 mL**	**$155.00**

Pesticides Surrogates

Decachlorobiphenyl
Tetrachloro-m-xylene

200 ug/mL in Acetone

C-194	**1.5 mL**	**$23.00**
C-194P	**4 x 1.5 mL**	**$74.00**
C-194TP	**10 x 1.5 mL**	**$173.00**

Chlordane

2000 ug/mL in Methanol

89-M	**1.5 mL**	**$25.00**
89-MP	**4 x 1.5 mL**	**$85.00**

Toxaphene

2000 ug/mL in Methanol

111-M	**1.5 mL**	**$25.00**
111-MP	**4 x 1.5 mL**	**$85.00**

Method 608 — Organochlorine Pesticides and PCBs (Cont.)

Method 608 Surrogate and Internal Standards

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
798	Dibutyl chlorendate	Acetone	200	$25.00
1084-A	Decachlorobiphenyl	Acetone	200	$25.00
1180	2,4,5,6–Tetrachloro-m-xylene	Acetone	200	$25.00
1470	1-Bromo-2-nitrobenzene	Acetone	5000	$25.00
156	Pentachloronitrobenzene	Acetone	5000	$25.00
1471	4-Chloro-3-nitrobenzotrifluoride	Acetone	5000	$25.00

PCB Arochlor Solutions

All of our PCB single arochlor standards are ISO 34 CRMs and are formulated using the original Monsanto Arochlor® materials.

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
125	Arochlor 1016	Iso-octane	5000	$25.00
126	Arochlor 1221	Iso-octane	5000	$25.00
107	Arochlor 1232	Iso-octane	5000	$25.00
132	Arochlor 1242	Iso-octane	5000	$25.00
108	Arochlor 1248	Iso-octane	5000	$25.00
135	Arochlor 1254	Iso-octane	5000	$25.00
129	Arochlor 1260	Iso-octane	5000	$25.00
125L	Arochlor 1016	Hexane	50	$15.00
126L	Arochlor 1221	Hexane	50	$15.00
107L	Arochlor 1232	Hexane	50	$15.00
132L	Arochlor 1242	Hexane	50	$15.00
108L	Arochlor 1248	Hexane	50	$15.00
135L	Arochlor 1254	Hexane	50	$15.00
129L	Arochlor 1260	Hexane	50	$15.00
125M	Arochlor 1016	Methanol	1000	$25.00
126M	Arochlor 1221	Methanol	1000	$25.00
107M	Arochlor 1232	Methanol	1000	$25.00
132M	Arochlor 1242	Methanol	1000	$25.00
108M	Arochlor 1248	Methanol	1000	$25.00
135M	Arochlor 1254	Methanol	1000	$25.00
129M	Arochlor 1260	Methanol	1000	$25.00

Arochlor® is a registered trademark of Monsanto Corporation.

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Method 610—Polynuclear Aromatics

PAH Standard

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

2000 ug/mL in Methylene chloride/Benzene

C-385H	**1.5 mL**	**$75.00**
C-385HP	**4 x 1.5 mL**	**$255.00**

Method 610 PAH Mix

Acenaphthene	1000
Acenaphthylene	2000
Anthracene	100
Benzo(a)anthracene	100
Benzo(a)pyrene	100
Benzo(b)fluoranthene	200
Benzo(g,h,i)perylene	200
Benzo(k)fluoranthene	100
Chrysene	100
Dibenz(a,h)anthracene	200
Fluoranthene	200
Fluorene	200
Indeno(1,2,3-c,d)pyrene	100
Naphthalene	1000
Phenanthrene	100
Pyrene	100

At specified concentrations (ug/mL) in Methylene chloride/Methanol (1:1)

C-436	**1.5 mL**	**$40.00**
C-436P	**4 x 1.5 mL**	**$140.00**

Method 624—Purgeable Organics

624 Calibration Mix 1

Benzene	1,2-Dichloropropane
Carbon tetrachloride	Methylene chloride
Chlorobenzene	Tetrachloroethylene
Dibromochloromethane	1,1,2-Trichloroethane
1,1-Dichloroethane	Trichloroethylene
1,1-Dichloroethylene	

2000 ug/mL in Methanol

C-457	**1.5 mL**	**$30.00**
C-457P	**4 x 1.5 mL**	**$100.00**

624 Calibration Mix 2

Bromodichloromethane	trans-1,2-Dichloroethylene
Bromoform	cis-1,3-Dichloropropylene
Chloroform	trans-1,3-Dichloropropylene
1,2-Dichlorobenzene	Ethylbenzene
1,3-Dichlorobenzene	1,1,2,2-Tetrachloroethane
1,4-Dichlorobenzene	Toluene
1,2-Dichloroethane	1,1,1-Trichloroethane

2000 ug/mL in Methanol

C-479	**1.5 mL**	**$30.00**
C-479P	**4 x 1.5 mL**	**$100.00**

Gases Mix

Chloroethane
Dichlorodifluoromethane
Fluorotrichloromethane
Methyl bromide
Methyl chloride
Vinyl chloride

2000 ug/mL in Methanol

C-303H	**1.5 mL**	**$30.00**
C-303HP	**4 x 1.5 mL**	**$100.00**

Method 624—Purgeable Organics (Cont.)

2-Chloroethyl vinyl ether

1000 ug/mL in PT Methanol

17	**1.5 mL**	**$25.00**
17P	**4 x 1.5 mL**	**$85.00**

2000 ug/mL in PT Methanol

17H	**1.5 mL**	**$25.00**
17HP	**4 x 1.5 mL**	**$85.00**

Carbon disulfide

2000 ug/mL in PT Methanol

363	**1.5 mL**	**$25.00**
363P	**4 x 1.5 mL**	**$85.00**

624 Internal Standard

Bromochloromethane

2-Bromo-1-chloropropane

1,4-Dichlorobutane

2000 ug/mL in Methanol

C-393	**1.5 mL**	**$25.00**
C-393P	**4 x 1.5 mL**	**$85.00**

624 Surrogate Mix

4-Bromofluorobenzene

Fluorobenzene

Pentafluorobenzene

2000 ug/mL in Methanol

C-517	**1.5 mL**	**$25.00**
C-517P	**4 x 1.5 mL**	**$85.00**

Method 624 Surrogate and Internal Standards

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
259	Benzene -d6	PT Methanol	2000	$25.00
1260	2-Bromochlorobenzene	PT Methanol	2000	$25.00
1289	4-Bromochlorobenzene	PT Methanol	2000	$25.00
136	Bromochloromethane	PT Methanol	2000	$25.00
720M	2-Bromo-1-chloropropane	PT Methanol	2000	$25.00
233H	4-Bromofluorobenzene	PT Methanol	2000	$25.00
1021M	Chlorobenzene-d5	PT Methanol	2000	$25.00
119	1-Chloro-2-fluorobenzene	PT Methanol	2000	$25.00
776	1,2-Dichlorobenzene-d4	PT Methanol	2000	$25.00
158	1,4-Dichlorobutane	PT Methanol	2000	$25.00
876	1,2-Dichloroethane-d4	PT Methanol	2000	$25.00
791	1,4-Difluorobenzene	PT Methanol	2000	$25.00
281	Ethylbenzene-d5	PT Methanol	2000	$25.00
280	Ethylbenzene-d10	PT Methanol	2000	$25.00
232H	Fluorobenzene	PT Methanol	2000	$25.00
1248	Pentafluorobenzene	PT Methanol	2000	$25.00
143	Toluene-d8	PT Methanol	2000	$25.00
1261	α,α,α-Trifluorotoluene	PT Methanol	2000	$25.00

ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

Method 625—Semivolatile Organics

625 SV Organics Mix

Acenaphthene	Di-n-butyl phthalate
Acenaphthylene	4,6-Dinitro-2-methylphenol
Anthracene	2,4-Dinitrophenol
Benzo(a)anthracene	2,4-Dinitrotoluene
Benzo(a)pyrene	2,6-Dinitrotoluene
Benzo(b)fluoranthene	Di-n-octyl phthalate
Benzo(g,h,i)perylene	Diphenylamine
Benzo(k)fluoranthene	Fluoranthene
Benzyl butyl phthalate	Fluorene
bis(2-Chloroethoxy)methane	Hexachlorobenzene
bis(2-Chloroethyl)ether	Hexachlorobutadiene
bis(2-Chloroisopropyl)ether	Hexachlorocyclopentadiene
bis(2-Ethylhexyl)phthalate	Hexachloroethane
4-Bromophenyl phenyl ether	Indeno(1,2,3-c,d)pyrene
4-Chloro-3-methylphenol	Isophorone
2-Chloronaphthalene	Naphthalene
2-Chlorophenol	Nitrobenzene
4-Chlorophenyl phenyl ether	2-Nitrophenol
Chrysene	4-Nitrophenol
Dibenzo(a,h)anthracene	N-Nitrosodimethylamine
1,2-Dichlorobenzene	N-Nitroso-di-n-propylamine
1,3-Dichlorobenzene	Pentachlorophenol
1,4-Dichlorobenzene	Phenanthrene
2,4-Dichlorophenol	Phenol
Diethyl phthalate	Pyrene
2,4-Dimethylphenol	1,2,4-Trichlorobenzene
Dimethyl phthalate	2,4,6-Trichlorophenol

1000 ug/mL in Methylene chloride

C-518	**1.5 mL**	**$95.00**
C-518P	**4 x 1.5 mL**	**$340.00**

Benzidines Mix

Benzidine
3,3'-Dichlorobenzidine

2000 ug/mL in Methanol

C-402	**1.5 mL**	**$25.00**
C-402P	**4 x 1.5 mL**	**$85.00**

Method 625 Surrogate and Internal Standards

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
144	Anthracene-d10	Methylene chloride	2000	$25.00
339-M	Decafluorobiphenyl	Methylene chloride	2000	$25.00
339-A	Decafluorobiphenyl	Acetone	1000	$25.00
793H	4,4'-Dibromobiphenyl	Methylene chloride	2000	$25.00
1126L	4,4'-Dibromooctafluorobiphenyl	Methylene chloride	2000	$25.00
194L	2-Fluorobiphenyl	Methylene chloride	2000	$25.00
195	1-Fluoronaphthalene	Methylene chloride	2000	$25.00
193	2-Fluorophenol	Methylene chloride	2000	$25.00
140	Naphthalene-d8	Methylene chloride	2000	$25.00
166	Nitrobenzene-d5	Methylene chloride	2000	$25.00
861	Pentafluorophenol	Methylene chloride	2000	$25.00
230H	Phenanthrene-d10	Methylene chloride	2000	$25.00
167	Phenol-d6	Methylene chloride	2000	$25.00
891	Pyridine-d5	Methylene chloride	2000	$25.00
909H	p-Terphenyl-d14	Methylene chloride	2000	$25.00
875H	2,4,6-Tribromophenol	Methanol	2000	$25.00

600 Series Method Standards

Semivolatile Internal Standards

Acenaphthene-d10

Chrysene-d12

1,4-Dichlorobenzene-d4

Naphthalene-d8

Perylene-d12

Phenanthrene-d10

2000 ug/mL in Methylene chloride/Carbon disulfide

C-394L	**1.5 mL**	**$45.00**
C-394LP	**4 x 1.5 mL**	**$155.00**
C-394LTP	**10 x 1.5 mL**	**$360.00**

4000 ug/mL in Methylene chloride/Carbon disulfide

C-394H	**1.5 mL**	**$78.00**
C-394HP	**4 x 1.5 mL**	**$248.00**
C-394HTP	**10 x 1.5 mL**	**$565.00**

8270 Tuning Mix

Benzidine

Pentachlorophenol

4,4'-DDT

DFTPP

500 ug/mL in Methylene chloride

C-491	**1.5 mL**	**$25.00**

Base/Neutrals Matrix Spike

Acenaphthene

1,4-Dichlorobenzene

2,4-Dinitrotoluene

N-Nitrosodi-n-propylamine

Pyrene

1,2,4-Trichlorobenzene

5000 ug/mL in Methanol

C-190	**1.5 mL**	**$45.00**
C-190P	**4 x 1.5 mL**	**$155.00**
C-190-5	**5 mL**	**$80.00**

Base/Neutrals Surrogate

2-Fluorobiphenyl

Nitrobenzene-d5

p-Terphenyl-d14

2000 ug/mL in Methylene chloride

C-376M	**1.5 mL**	**$30.00**
C-376MP	**4 x 1.5 mL**	**$100.00**
C-376MTP	**10 x 1.5 mL**	**$180.00**

5000 ug/mL in Methylene chloride

C-376H	**1.5 mL**	**$40.00**
C-376HP	**4 x 1.5 mL**	**$145.00**
C-376HTP	**10 x 1.5 mL**	**$320.00**
C-376H5	**5 mL**	**$90.00**
C-376H5P	**4 x 5 mL**	**$325.00**
C-376H5TP	**10 x 5 mL**	**$720.00**

Organic Acids Surrogate

2-Fluorophenol

Phenol-d5

2,4,6-Tribromophenol

4000 ug/mL in Methanol

C-131M	**1.5 mL**	**$30.00**
C-131MP	**4 x 1.5 mL**	**$100.00**
C-131MTP	**10 x 1.5 mL**	**$180.00**

10000 ug/mL in Methanol

C-131H	**1.5 mL**	**$40.00**
C-131HP	**4 x 1.5 mL**	**$145.00**
C-131HTP	**10 x 1.5 mL**	**$320.00**
C-131H5	**5 mL**	**$90.00**
C-131H5P	**4 x 5 mL**	**$325.00**
C-131H5TP	**10 x 5 mL**	**$720.00**

Acids Matrix Spike

4-Chloro-3-methyl phenol

2-Chlorophenol

4-Nitrophenol

Pentachlorophenol

Phenol

7500 ug/mL in Methanol

C-191	**1.5 mL**	**$45.00**
C-191P	**4 x 1.5 mL**	**$155.00**
C-191-5	**5 mL**	**$80.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

PAH Mix

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

2000 ug/mL in Methylene chloride/Benzene

C-385H	**1.5 mL**	**$75.00**
C-385HP	**4 x 1.5 mL**	**$255.00**

3200 ug/mL in Methylene chloride/Benzene

C-385HC	**1.5 mL**	**$80.00**
C-385HCP	**4 x 1.5 mL**	**$272.00**

Base/Neutrals 1

Benzyl alcohol
2-Chloronaphthalene
Dibenzofuran
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Isophorone
2-Methylnaphthalene
Nitrobenzene
1,2,4-Trichlorobenzene

2000 ug/mL in Methylene chloride

C-404	**1.5 mL**	**$35.00**
C-404P	**4 x 1.5 mL**	**$120.00**
C-404TP	**10 x 1.5 mL**	**$280.00**

3200 ug/mL in Methylene chloride

C-404HC	**1.5 mL**	**$50.00**
C-404HCP	**4 x 1.5 mL**	**$170.00**
C-404HCTP	**10 x 1.5 mL**	**$400.00**

Acid Extractables

4-Chloro-3-methylphenol
2-Chlorophenol
o-Cresol
p-Cresol
2,4-Dichlorophenol
2,4-Dimethylphenol
4,6-Dinitro-2-methylphenol
2,4-Dinitrophenol
2-Nitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

2000 ug/mL in Methylene chloride

C-395	**1.5 mL**	**$35.00**
C-395P	**4 x 1.5 mL**	**$120.00**

3200 ug/mL in Methylene chloride

C-395HC	**1.5 mL**	**$50.00**
C-395HCP	**4 x 1.5 mL**	**$170.00**

Base/Neutrals 2

4-Bromophenyl phenyl ether
Butyl benzyl phthalate
bis(2-Chloroethoxy)methane
bis(2-Chloroethyl)ether
bis(2-Chloroisopropyl)ether
4-Chlorophenyl phenyl ether
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
bis(2-Ethylhexyl)phthalate
N-Nitrosodimethylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine

2000 ug/mL in Methylene chloride

C-405	**1.5 mL**	**$35.00**
C-405P	**4 x 1.5 mL**	**$120.00**
C-405TP	**10 x 1.5 mL**	**$280.00**

3200 ug/mL in Methylene chloride

C-405HC	**1.5 mL**	**$50.00**
C-405HCP	**4 x 1.5 mL**	**$170.00**
C-405HCTP	**10 x 1.5 mL**	**$400.00**

600 Series Method Standards

625 Additionals Mix

Acetophenone
Carbazole
n-Decane
2,3-Dichloroaniline
n-Octadecane
Pyridine
a-Terpineol

2000 ug/mL in Methylene chloride

C-639	**1.5 mL**	**$32.00**
C-639P	**4 x 1.5 mL**	**$105.00**

Basic Extractables

Aniline
Azobenzene
Carbazole
4-Chloroaniline
o-Nitroaniline
m-Nitroaniline
p-Nitroaniline

2000 ug/mL in Methylene chloride

C-403	**1.5 mL**	**$33.00**
C-403P	**4 x 1.5 mL**	**$110.00**

3200 ug/mL in Methylene chloride

C-403HC	**1.5 mL**	**$45.00**
C-403HCP	**4 x 1.5 mL**	**$155.00**

Benzoic acid

2000 ug/mL in Methylene chloride

541H	**1.5 mL**	**$25.00**

Method 8270/625 Kit

C-385H	PNA Mix	2000 ug/mL
C-395	Acid Extractables	2000 ug/mL
C-402	Benzidines Mix	2000 ug/mL
C-403	Basic Extractables	2000 ug/mL
C-404	Base/Neutrals 1	2000 ug/mL
C-405	Base/Neutrals 2	2000 ug/mL
541H	Benzoic acid	2000 ug/mL

K-725	**7 x 1.5 mL**	**$225.00**

ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Underground Storage Tank Monitoring Standards

We've expanded and updated our state specific methods to include the most recent revisions and requirements. We've also expanded our offering of certified fuel standards to include weathered standards and fuel component standards for gasoline and diesel. As always, each ampule is overfilled with 1.5 mL of solution providing enhanced value at fair pricing.

Arizona UST Standards	pg. 56
California UST Standards	pg. 56
Connecticut UST Standards	pg. 57
Florida UST Standards	pg. 57
Massachusetts UST Standards	pg. 58
Michigan UST Standards	pg. 60
Tennessee/Mississippi UST Standards	pg. 61
New Jersey EPH Standards	pg. 61
Northwest Regional TPH Standards	pg. 62
Washington State UST Standards	pg. 63
Wisconsin UST Standards	pg. 64
New York UST Standards	pg. 64
Pennsylvania UST Standards	pg. 64
Texas UST Standards	pg. 65
UST Surrogates Standards	pg. 66
Fuels Standards/Weathered Fuels	pg. 67
Certified Fuel Component Standards	pg. 68
BTEX Standards	pg. 68

Underground Storage Tank Monitoring Standards

Arizona

Retention Time Standard

n-Hexane (C6)
n-Decane (C10)
n-Docosane (C22)
n-Dotriacontane (C32)

2000 ug/mL in Methylene chloride

UST-700	**1.5 mL**	**$25.00**
UST-700P	**4 x 1.5 mL**	**$85.00**

GRO Purge and Trap Retention Blend

Benzene
Naphthalene

2000 ug/mL in PT Methanol

UST-710	**1.5 mL**	**$25.00**
UST-710P	**4 x 1.5 mL**	**$85.00**

DRO/GRO Calibration Standard

n-Decane (C10)	n-Docosane (C22)
n-Dodecane (C12)	n-Tetracosane (C24)
n-Tetradecane (C14)	n-Hexacosane (C26)
n-Hexacosane (C16)	n-Octacosane (C28)
n-Octadecane (C18)	n-Triacontane (C30)
n-Eicosane (C20)	n-Dotriacontane (C32)

2000 ug/mL in Methylene chloride

UST-705	**1.5 mL**	**$35.00**
UST-705P	**4 x 1.5 mL**	**$119.00**

DRO/GRO Calibration Standard

10W30 Motor Oil: Diesel Fuel #2 (1:1)

50000 ug/mL in Methylene chloride

UST-450H	**1.5 mL**	**$30.00**
UST-450HP	**4 x 1.5 mL**	**$100.00**

California

PVOC Mix (CA)

Benzene	m-Xylene
Ethylbenzene	o-Xylene
Methyl-tert-butyl ether	p-Xylene
Toluene	

2000 ug/mL in PT Methanol

UST-400	**1.5 mL**	**$25.00**
UST-400P	**4 x 1.5 mL**	**$85.00**

Oxygenates Mix (CA)

Diispropyl ether (DIPE)	2000
Ethyl-tert-butyl ether (ETBE)	2000
tert-Amyl methyl ether (TAME)	2000
tert-Butyl alcohol (TBA)	10000
Methyl-tert-butyl ether (MTBE)	2000

At specified concentrations (ug/mL) in PT Methanol

UST-715	**1.5 mL**	**$30.00**
UST-715P	**4 x 1.5 mL**	**$100.00**

Ethanol

10000 ug/mL in DI Water

1218H	**1.5 mL**	**$25.00**
1218HP	**4 x 1.5 mL**	**$85.00**

Methanol

10000 ug/mL in DI Water

1217	**1.5 mL**	**$25.00**
1217P	**4 x 1.5 mL**	**$85.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

Glycols Mix

Ethylene glycol
Propylene glycol

50000 ug/mL each in DI Water

UST-720	**1.5 mL**	**$27.00**
UST-720P	**4 x 1.5 mL**	**$92.00**

CA WIP VOA Standard

Benzene	Methyl-tert-butyl ether
Chlorobenzene	Toluene
1,2-Dichlorobenzene	m-Xylene
1,3-Dichlorobenzene	o-Xylene
1,4-Dichlorobenzene	p-Xylene
Ethylbenzene	

2000 ug/mL in PT Methanol

UST-410	**1.5 mL**	**$30.00**
UST-410P	**4 x 1.5 mL**	**$100.00**

Connecticut

Connecticut ETPH Standard

n-Nonane (C9)	n-Tetracosane (C24)
n-Decane (C10)	n-Hexacosane (C26)
n-Dodecane (C12)	n-Octacosane (C28)
n-Tetradecane (C14)	n-Triacontane (C30)
n-Hexadecane (C16)	n-Dotriacontane (C32)
n-Octadecane (C18)	n-Tetratriacontane (C34)
n-Eicosane (C20)	n-Hexatriacontane (C36)
n-Docosane (C22)	

2000 ug/mL in Methylene chloride

UST-735	**1.5 mL**	**$35.00**
UST-735P	**4 x 1.5 mL**	**$119.00**

Florida

Florida TPH Standard

n-Octane (C8)	n-Hexacosane (C26)
n-Decane (C10)	n-Octacosane (C28)
n-Dodecane (C12)	n-Triacontane (C30)
n-Tetradecane (C14)	n-Dotriacontane (C32)
n-Hexadecane (C16)	n-Tetratricontane (C34)
n-Octadecane (C18)	n-Hexatriacontane (C36)
n-Eicosane (C20)	n-Octatriacontane (C38)
n-Docosane (C22)	n-Tetracontane (C40)
n-Tetracosssane (C24)	

2000 ug/mL in Methylene chloride/Carbon disulfide (50:50)

C-443	**1.5 mL**	**$45.00**
C-443P	**4 x 1.5 mL**	**$153.00**

Florida TPH Surrogate

n-Nonatriacontane (C39)

6000 ug/mL in Methylene chloride/Carbon disulfide (50:50)

1339	**1.5 mL**	**$70.00**
1339P	**4 x 1.5 mL**	**$238.00**

Massachusetts

MA VPH Standard with Surrogate-Rev1.1

Benzene
n-Nonane (C9)
n-Butylcyclohexane
n-Pentane (C5)
n-Decane (C10)
Toluene
2,5-Dibromotoluene (SS)
1,2,4-Trimethylbenzene
Ethylbenzene
2,2,4-Trimethylpentane (Iso-octane)
2-Methylpentane
m-Xylene
Methyl-tert-butyl ether
o-Xylene
Naphthalene
p-Xylene

10000 ug/mL in PT Methanol

UST-740	**1.5 mL**	**$40.00**
UST-740P	**4 x 1.5 mL**	**$136.00**

MA VPH Matrix Spike With Surrogate-Rev 1.1

Benzene
n-Nonane (C9)
n-Butylcyclohexane
n-Pentane (C5)
n-Decane (C10)
Toluene
2,5-Dibromotoluene (SS)
1,2,4-Trimethylbenzene
Ethylbenzene
2,2,4-Trimethylpentane (Iso-octane)
2-Methylpentane
m-Xylene
Methyl-tert-butyl ether
o-Xylene
Naphthalene
p-Xylene

50 ug/mL in PT Methanol

UST-740L	**1.5 mL**	**$40.00**
UST-740LP	**4 x 1.5 mL**	**$136.00**

MA VPH Standard

n-Pentane (C5)	1000
n-Nonane (C9)	1000
Benzene	500
Ethylbenzene	500
2,2,4-Trimethylpentane (Iso-octane)	1500
2-Methylpentane	1500
Methyl-tert-butyl ether	1500
Naphthalene	1000
Toluene	1500
1,2,4-Trimethylbenzene	1000
m-Xylene	1000
o-Xylene	1000
p-Xylene	1000

At specified concentrations in PT Methanol

UST-310	**1.5 mL**	**$32.00**
UST-310P	**4 x 1.5 mL**	**$109.00**

MA VPH Standard with Surrogate

n-Pentane (C5)	1000
n-Nonane (C9)	1000
Benzene	500
2,5-Dibromotoluene (SS)	1000
Ethylbenzene	500
2,2,4-Trimethylpentane (Iso-octane)	1500
2-Methylpentane	1500
Methyl-tert-butyl ether	1500
Napthalene	1000
1,2,4-Trimethylbenzene	1000
Toluene	1500
m-Xylene	1000
o-Xylene	1000
p-Xylene	1000

At specified concentrations in PT Methanol

UST-240	**1.5 mL**	**$32.00**
UST-240P	**4 x 1.5 mL**	**$109.00**

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Underground Storage Tank Monitoring Standards

MA VPH Matrix Spike Mix with Surrogate

n-Pentane (C5)
n-Nonane (C9)
Benzene
2,5-Dibromotoluene (SS)
Ethylbenzene
2,2,4-Trimethylpentane (Iso-octane)
2-Methylpentane
Methyl-tert-butyl ether
Naphthalene
Toluene
1,2,4-Trimethylbenzene
m-Xylene
o-Xylene
p-Xylene

2500 ug/mL in PT Methanol

UST-755	**1.5 mL**	**$34.00**
UST-755P	**4 x 1.5 mL**	**$116.00**

MA EPH Aliphatic Mix

n-Nonane (C9)
n-Decane (C10)
n-Dodecane (C12)
n-Tetradecane (C14)
n-Hexadecane (C16)
n-Octadecane (C18)
n-Nonadecane (C19)
n-Eicosane (C20)
n-Docosane (C22)
n-Tetracosane (C24)
n-Hexacosane (C26)
n-Octacosane (C28)
n-Triacontane (C30)
n-Hexatriacontane (C36)

1000 ug/mL in Hexane

UST-420	**1.5 mL**	**$35.00**
UST-420P	**4 x 1.5 mL**	**$119.00**

MA EPH Internal Standard

5-alpha-Androstane

2000 ug/mL in Methylene chloride

1342	**1.5 mL**	**$25.00**
1342P	**4 x 1.5 mL**	**$85.00**

MA VPH Surrogate

2,5-Dibromotoluene

1000 ug/mL in PT Methanol

1393L	**1.5 mL**	**$25.00**
1393LP	**4 x 1.5 mL**	**$85.00**

10000 ug/mL in PT Methanol

1393H	**1.5 mL**	**$25.00**
1393HP	**4 x 1.5 mL**	**$85.00**

MA EPH Aromatics Standard

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

1000 ug/mL in Methylene chloride

UST-250	**1.5 mL**	**$65.00**
UST-250P	**4 x 1.5 mL**	**$221.00**

MA EPH Spike Mix

n-Nonane (C9)
n-Tetradecane (C14)
n-Nonadecane (C19)
n-Eicosane (C20)
n-Octacosane (C28)
Acenaphthene
Anthracene
Chrysene
Naphthalene
Pyrene

250 ug/mL in Acetone

UST-430H	**1.5 mL**	**$32.00**
UST-430HP	**4 x 1.5 mL**	**$109.00**

Underground Storage Tank Monitoring Standards

EPH Surrogate Mix

1-Chlorooctadecane

o-Terphenyl

4000 ug/mL each in Acetone

UST-290H	**1.5 mL**	**$30.00**
UST-290HP	**4 x 1.5 mL**	**$102.00**

MA Fractionation Surrogate Spike Mix

4-Bromonaphthalene

2-Fluorobiphenyl

4000 ug/mL in Hexane

UST-785	**1.5 mL**	**$30.00**
UST-785P	**4 x 1.5 mL**	**$102.00**

MA Fractionation Check Mix

Acenaphthene	n-Nonane (C9)
Acenaphthylene	n-Decane (C10)
Anthracene	n-Dodecane (C12)
Benzo(a)anthracene	n-Tetradecane (C14)
Benzo(a)pyrene	n-Hexadecane (C16)
Benzo(b)fluoranthene	n-Octadecane (C18)
Benzo(k)fluoranthene	n-Nonadecane (C19)
Benzo(g,h,i)perylene	n-Eicosane (C20)
Chrysene	n-Docosane (C22)
Dibenzo(a,h)anthracene	n-Tetracosane (C24)
Fluoranthene	n-Hexacosane (C26)
Fluorene	n-Octacosane (C28)
Indeno(1,2,3-c,d)pyrene	n-Triacontane (C30)
2-Methylnaphthalene	n-Hexatriacontane (C36)
Naphthalene	Phenanthrene
Pyrene	

25 ug/mL in Hexane

UST-780	**1.5 mL**	**$45.00**
UST-780P	**4 x 1.5 mL**	**$153.00**

1-Chlorooctadecane

10000 ug/mL in Methylene chloride

1373	**1.5 mL**	**$25.00**
1373P	**4 x 1.5 mL**	**$85.00**

Naphthalene–d8

2000 ug/mL in Methylene chloride

140	**1.5 mL**	**$25.00**
140P	**4 x 1.5 mL**	**$85.00**

Michigan

Michigan GRO Mix

Benzene	Naphthalene
1,2-Dibromoethane	Toluene
1,2-Dichloroethane	1,2,4-Trimethylbenzene
Ethylbenzene	1,3,5-Trimethylbenzene
Isopropylbenzene	m-Xylene
2-Methylnapthalene	o-Xylene
Methyl-tert-butyl ether	p-Xylene

2000 ug/mL in PT Methanol

UST-795	**1.5 mL**	**$35.00**
UST-795P	**4 x 1.5 mL**	**$119.00**

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

Tennessee/Mississippi

DRO Mix (TN/MS)

n-Decane (C10)	n-Octadecane (C18)
n-Undecane (C11)	n-Nonadecane (C19)
n-Dodecane (C12)	n-Eicosane (C20)
n-Tridecane (C13)	n-Heneicosane (C21)
n-Tetradecane (C14)	n-Docosane (C22)
n-Pentadecane (C15)	n-Tricosane (C23)
n-Hexadecane (C16)	n-Tetracosane (C24)
n-Heptadecane (C17)	n-Pentacosane (C25)

1000 ug/mL in Methylene chloride

UST-380	**1.5 mL**	**$35.00**
UST-380P	**4 x 1.5 mL**	**$119.00**

Gasoline Component Standard (TN/MS)

Benzene	500
Ethylbenzene	500
n-Heptane (C7)	500
2-Methylpentane	1500
Toluene	1500
1,2,4-Trimethylbenzene	1000
2,2,4-Trimethylpentane (Iso-octane)	1500
m-Xylene	1000
o-Xylene	1000
p-Xylene	1000

At specified concentrations (ug/mL) in PT Methanol

UST-460	**1.5 mL**	**$30.00**
UST-460P	**4 x 1.5 mL**	**$100.00**

New Jersey

NJ DEP EPH Aliphatics Standard

n-Nonane (C9)	n-Hexacosane (C26)
n-Decane (C10)	n-Octacosane (C28)
n-Dodecane (C12)	n-Triacontane (C30)
n-Tetradecane (C14)	n-Dotriacontane (C32)
n-Hexadecane (C16)	n-Tetratriacontane (C34)
n-Octadecane (C18)	n-Hexatriacontane (C36)
n-Eicosane (C20)	n-Octatriacontane (C38)
n-Heneicosane (C21)	n-Tetracontane (C40)
n-Docosane (C22)	2-Methylnaphthalene
n-Tetracosane (C24)	Naphthalene

2000 ug/mL in Hexane/Carbon disulfide (4:1)

UST-800	**1.5 mL**	**$40.00**
UST-800P	**4 x 1.5 mL**	**$136.00**

NJ DEP EPH Aromatics Standard

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

2000 ug/mL in Methylene chloride

UST-805	**1.5 mL**	**$65.00**
UST-805P	**4 x 1.5 mL**	**$221.00**

Underground Storage Tank Monitoring Standards

NJ DEP EPH Aliphatics Matrix Spike

n-Nonane (C9)	n-Tetracosane (C24)
n-Decane (C10)	n-Hexacosane (C26)
n-Dodecane (C12)	n-Octacosane (C28)
n-Tetradecane (C14)	n-Triacontane (C30)
n-Hexadecane (C16)	n-Dotriacontane (C32)
n-Octadecane (C18)	n-Tetratriacontane (C34)
n-Eicosane (C20)	n-Hexatriacontane (C36)
n-Heneicosane (C21)	n-Octatriacontane (C38)
n-Docosane (C22)	n-Tetracontane (C40)

200 ug/mL in n-Pentane

UST-810 **25 mL** **$175.00**

NJ DEP EPH Aromatics Matrix Spike

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

200 ug/mL in Acetone: Toluene (1:1)

UST-815 **25 mL** **$175.00**

NJ DEP EPH Aliphatics Fractionation Standard

n-Nonane (C9)	n-Tetracosane (C24)
n-Decane (C10)	n-Hexacosane (C26)
n-Dodecane (C12)	n-Octacosane (C28)
n-Tetradecane (C14)	n-Triacontane (C30)
n-Hexadecane (C16)	n-Dotriacontane (C32)
n-Octadecane (C18)	n-Tetratriacontane (C34)
n-Eicosane (C20)	n-Hexatriacontane (C36)
n-Heneicosane (C21)	n-Octatriacontane (C38)
n-Docosane (C22)	n-Tetracontane (C40)

400 ug/mL in Hexane

UST-820 **25 mL** **$200.00**

NJ DEP EPH Aromatics Fractionation Standard

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

400 ug/mL in Hexane/Toluene (1:1)

UST-825 **25 mL** **$200.00**

Northwest Regional Methods

NW TPH-HCID Retention Time Standard

n-Dodecane (C12)
Toluene
n-Tetracosane (C24)

2500 ug/mL in Methylene chloride

UST-330 **1.5 mL** **$25.00**

UST-330P **4 x 1.5 mL** **$85.00**

NW TPH-HCID Surrogate Standard

n-Pentacosane (C25)
4-Bromofluorobenzene

5000 ug/mL in Methylene chloride

UST-340 **1.5 mL** **$25.00**

UST-340P **4 x 1.5 mL** **$85.00**

Glycols Standard

Ethylene glycol
Propylene glycol

50000 ug/mL in DI Water

UST-720 **1.5 mL** **$27.00**

UST-720P **4 x 1.5 mL** **$92.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

Washington State

WA VPH Marker Standard

n-Pentane (C5)	1-Methylnaphthalene
n-Hexane (C6)	Naphthalene
n-Octane (C8)	Toluene
n-Decane (C10)	1,2,3-Trimethylbenzene
n-Dodecane (C12)	

1000 ug/mL each in PT Methanol

UST-835	**1.5 mL**	**$30.00**
UST-835P	**4 x 1.5 mL**	**$100.00**

WA EPH Aromatic Hydrocarbon Standard

Acenaphthene	Pyrene
Benzo(g,h,i)perylene	Toluene
Naphthalene	1,2,3-Trimethylbenzene

1000 ug/mL in Methylene chloride

UST-260L	**1.5 mL**	**$30.00**
UST-260LP	**4 x 1.5 mL**	**$100.00**

WA EPH Aromatic Hydrocarbon Standard

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

1000 ug/mL in Methylene chloride

UST-845	**1.5 mL**	**$66.00**
UST-845P	**4 x 1.5 mL**	**$225.00**

WA EPH Matrix Spike Standard

n-Decane (C10)	Anthracene
n-Dodecane (C12)	Benzo(a)pyrene
n-Hexadecane (C16)	Benzo(g,h,i)perylene
n-Heneicosane (C21)	Naphthalene
Acenaphthene	Pyrene

250 ug/mL in Acetone

UST-850	**1.5 mL**	**$35.00**
UST-850P	**4 x 1.5 mL**	**$119.00**

WA VPH Standard

n-Pentane (C5)	Methyl-tert-butyl ether
n-Hexane (C6)	Naphthalene
n-Octane (C8)	Toluene
n-Decane (C10)	1,2,3-Trimethylbenzene
n-Dodecane (C12)	m-Xylene
Benzene	o-Xylene
Ethylbenzene	p-Xylene
1-Methylnaphthalene	

1000 ug/mL in PT Methanol

UST-300L	**1.5 mL**	**$35.00**
UST-300LP	**4 x1.5 mL**	**$119.00**

WA EPH Aliphatic Hydrocarbon Standard

n-Octane (C8)	n-Hexadecane (C16)
n-Decane (C10)	n-Heneicosane (C21)
n-Dodecane (C12)	n-Tetratriacontane (C34)

1000 ug/mL each in Hexane

UST-270	**1.5 mL**	**$30.00**
UST-270P	**4 x 1.5 mL**	**$100.00**

WA EPH Fractionation Check Standard

n-Octane (C8)	Benzo(b)fluoranthene
n-Decane (C10)	Benzo(k)fluoranthene
n-Dodecane (C12)	Benzo(g,h,i)perylene
n-Hexadecane (C16)	Chrysene
n-Heneicosane (C21)	Dibenzo(a,h)anthracene
n-Tetratriacontane (C24)	Fluoranthene
Acenaphthene	Fluorene
Acenaphthylene	Indeno(1,2,3-c,d)pyrene
Anthracene	Naphthalene
Benzo(a)anthracene	Phenanthrene
Benzo(a)pyrene	Pyrene

25 ug/mL in Hexane

UST-280	**1.5 mL**	**$40.00**
UST-280P	**4 x 1.5 mL**	**$136.00**

Underground Storage Tank Monitoring Standards

Wisconsin

Wisconsin PVOC/GRO Standard

Benzene	1,2,4-Trimethylbenzene
Ethylbenzene	1,3,5-Trimethylbenzene
Methyl-tert-butyl ether	m-Xylene
Naphthalene	p-Xylene
Toluene	o-Xylene

1000 ug/mL in PT Methanol

UST-360	**1.5 mL**	**$30.00**
UST-360P	**4 x 1.5 mL**	**$100.00**

Wisconsin DRO Standard

n-Decane (C10)	n-Eicosane (C20)
n-Dodecane (C12)	n-Docosane (C22)
n-Tetradecane (C14)	n-Tetracosane (C24)
n-Hexadecane (C16)	n-Hexacosane (C26)
n-Octadecane (C18)	n-Octacosane (C28)

2000 ug/mL each in Methylene chloride

UST-370	**1.5 mL**	**$30.00**
UST-370P	**4 x 1.5 mL**	**$100.00**

New York

NYS DEC Stars VOA

Benzene	n-Propylbenzene
n-Butyl benzene	Toluene
sec-Butyl benzene	1,2,4-Trimethylbenzene
tert-Butyl benzene	1,3,5-Trimethylbenzene
Ethylbenzene	o-Xylene
Isopropylbenzene	m-Xylene
4-Isopropyltoluene	p-Xylene
Methyl-tert-butyl ether	Naphthalene

2000 ug/mL in PT Methanol

UST-110	**1.5 mL**	**$30.00**
UST-110P	**4 x 1.5 mL**	**$100.00**

Pennsylvania

PA DEP UST Standard

Benzene	Naphthalene
1,2-Dibromoethane	Toluene
1,2-Dichloroethane	o-Xylene
Ethylbenzene	m-Xylene
Isopropylbenzene	p-Xylene
Methyl-tert-butyl ether	

2000 ug/mL in PT Methanol

UST-230	**1.5 mL**	**$30.00**
UST-230P	**4 x 1.5 mL**	**$100.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

Texas

TNRCC 1006 Retention Time Standard

n-Hexane (C6)	n-Hexadecane (C16)
n-Heptane (C7)	n-Heneicosane (C21)
n-Octane (C8)	n-Octacosane (C28)
n-Decane (C10)	n-Pentatriacontane (C35)
n-Dodecane (C12)	

500 ug/mL in n-Pentane

UST-503	**1.5 mL**	**$32.00**
UST-503P	**4 x 1.5 mL**	**$109.00**

TNRCC 1005 Retention Time Standard

n-Hexane (C6)	n-Octacosane (C28)
n-Dodecane (C12)	n-Pentatriacontane (C35)

200 ug/mL in n-Pentane

UST-855	**1.5 mL**	**$30.00**
UST-855P	**4 x 1.5 mL**	**$100.00**

TX TPH Locator Standard

n-Hexane (C6)	n-Octacosane (C28)
n-Decane (C10)	

200 ug/mL in n-Pentane

UST-500	**1.5 mL**	**$26.00**
UST-500P	**4 x 1.5 mL**	**$90.00**

TX TPH Calibration Mix

Diesel Fuel #2 Composite

Unleaded Gasoline Composite

10000 ug/mL each in n-Pentane

UST-501	**1.5 mL**	**$30.00**
UST-501P	**4 x 1.5 mL**	**$100.00**

TX TPH Matrix Spike Mix

Diesel Fuel #2 Composite

Unleaded Gasoline Composite

10000 ug/mL in PT Methanol

UST-502	**1.5 mL**	**$30.00**
UST-502P	**4 x 1.5 mL**	**$100.00**

Alternate Boiling Point / Carbon Number Stock Standard

n-Hexane (C6)	n-Heneicosane (C21)
n-Octane (C8)	n-Octacosane (C28)
n-Decane (C10)	n-Pentatriacontane (C35)
n-Dodecane (C12)	n-Hexatriacontane (C36)
n-Hexadecane (C16)	

200 ug/mL in n-Pentane

UST-860	**1.5 mL**	**$30.00**
UST-860P	**4 x 1.5 mL**	**$100.00**

Suggested UST Surrogates Standards

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
1342	5-alpha Androstane	Methylene Chloride	2000	$25.00
1545L	2-Bromonaphthalene	Methylene Chloride	5000	$25.00
233H	4-Bromofluorobenzene	PT Methanol	2000	$25.00
1373	1-Chlorooctadecane	Methylene Chloride	10000	$25.00
1374	1-Chlorooctane	PT Methanol	10000	$25.00
1393H	2,5-Dibromotoluene	PT Methanol	10000	$25.00
194	2-Fluorobiphenyl	Methylene Chloride	10000	$25.00
277	n-Pentacosane (C25)	Methylene Chloride	10000	$25.00
1024	p-Terphenyl	Methylene Chloride	10000	$25.00
1341H	o-Terphenyl	Methylene Chloride	10000	$25.00
1341AC	o-Terphenyl	Acetone	2000	$25.00
1261	α,α,α-Trifluorotoluene	PT Methanol	2000	$25.00
1261H	α,α,α-Trifluorotoluene	PT Methanol	10000	$25.00

ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Individual Fuel Standards

Catalog Number	Compound	Solvent	Conc (ug/mL)	Price per 1.5 mL ampule
UST-995	Unleaded Gasoline Composite	PT Methanol	2500	$25
UST-130	Unleaded Gasoline Composite	PT Methanol	5000	$25
UST-135	Unleaded Gasoline Composite	PT Methanol	50000	$30
UST-135-25	Unleaded Gasoline–25% Weathered	PT Methanol	5000	$25
UST-135-50	Unleaded Gasoline–50% Weathered	PT Methanol	5000	$25
UST-135-75	Unleaded Gasoline–75% Weathered	PT Methanol	5000	$25
UST-135-99	Unleaded Gasoline–99% Weathered	PT Methanol	5000	$25
UST-140	Diesel Fuel #2 Composite	Methylene chloride	5000	$25
UST-145	Diesel Fuel #2 Composite	Methylene chloride	50000	$30
UST-140-25	Diesel Fuel #2–25% Weathered	Methylene chloride	5000	$25
UST-140-50	Diesel Fuel #2–50% Weathered	Methylene chloride	5000	$25
UST-140-75	Diesel Fuel #2–75% Weathered	Methylene chloride	5000	$25
UST-150	Kerosene Composite	Methylene chloride	5000	$25
UST-155	Kerosene Composite	Methylene chloride	50000	$30
UST-155-5	Kerosene Composite (5 mL)	Methylene chloride	50000	$30
UST-150-25	Kerosene–25% Weathered	Methylene chloride	5000	$25
UST-150-50	Kerosene–50% Weathered	Methylene chloride	5000	$25
UST-150-75	Kerosene–75% Weathered	Methylene chloride	5000	$25
UST-970	100 Octane Aviation Gas	PT Methanol	2500	$25
UST-170	100 Octane Aviation Gas	PT Methanol	5000	$25
UST-175	100 Octane Aviation Gas	PT Methanol	50000	$30
UST-160	Jet Fuel A	Methylene chloride	5000	$25
UST-165	Jet Fuel A	Methylene chloride	50000	$30
UST-165-5	Jet Fuel A (5 mL)	Methylene chloride	50000	$30
UST-875	Fuel Oil #4	Methylene chloride	5000	$25
UST-880	Fuel Oil #4	Methylene chloride	50000	$30
UST-885	Fuel Oil #5	Methylene chloride	5000	$25
UST-890	Fuel Oil #5	Methylene chloride	50000	$30
UST-895	Fuel Oil #6	Methylene chloride	5000	$25
UST-900	Fuel Oil #6	Methylene chloride	50000	$30
UST-900-5	Fuel Oil #6 (5 mL)	Methylene chloride	50000	$30
UST-220	Fuel Oil #8	Methylene chloride	5000	$25
UST-225	Fuel Oil #8	Methylene chloride	50000	$30
UST-905	JP-4 Military Fuel	Methylene chloride	5000	$25
UST-910	JP-4 Military Fuel	Methylene chloride	50000	$30
UST-915	JP-5 Military Fuel	Methylene chloride	5000	$25
UST-920	JP-5 Military Fuel	Methylene chloride	50000	$30
UST-210	JP-8 Military Fuel	Methylene chloride	5000	$25
UST-215	JP-8 Military Fuel	Methylene chloride	50000	$30
UST-180	Waste Motor Oil Composite	Methylene chloride	5000	$25
UST-185	Waste Motor Oil Composite	Methylene chloride	50000	$30
UST-925	Hydraulic Oil	Methylene chloride	5000	$25
UST-510	Hydraulic Oil	Methylene chloride	20000	$25
UST-930	Hydraulic Oil	Methylene chloride	50000	$30
UST-935	Mineral Spirits	Methylene chloride	5000	$25
UST-940	Mineral Spirits	Methylene chloride	50000	$30
UST-935-25	Mineral Spirits–25% Weathered	Methylene chloride	5000	$25
UST-935-50	Mineral Spirits–50% Weathered	Methylene chloride	5000	$25
UST-935-75	Mineral Spirits–75% Weathered	Methylene chloride	5000	$25
UST-945	Stoddard Solvent	PT Methanol	10000	$25
UST-955	Creosote	Methylene chloride	50000	$30
UST-960	10W30 Motor Oil	Methylene chloride	5000	$25
UST-965	10W30 Motor Oil	Methylene chloride	50000	$30

Certified Fuel Component Standards

Certified Aromatics and Oxygenates in Gasoline

Benzene	n-Propylbenzene
Ethylbenzene	Toluene
m-Ethyltoluene	1,2,3-Trimethylbenzene
o-Ethyltoluene	1,2,4-Trimethylbenzene
p-Ethyltoluene	1,3,5-Trimethylbenzene
Isopropylbenzene	m-Xylene
Methyl-tert-butyl ether	o-Xylene
Naphthalene	p-Xylene

5500 ug/mL Unleaded Gas in PT Methanol

UST-865	**1.5 mL**	**$55.00**

Certified PAHs in Diesel Fuel #2

Acenaphthene	2-Methylnaphthalene
Acenaphthylene	Naphthalene
Fluorene	Phenanthrene
1-Methylnaphthalene	

50000 ug/mL Diesel Fuel #2 in Methylene chloride

UST-870	**1.5 mL**	**$55.00**

**Other PAHs may be included depending upon the characteristics of the diesel source.*

BTEX Standards

BTEX Mix

Benzene
Ethylbenzene
Toluene
o-Xylene
m-Xylene
p-Xylene

2000 ug/mL in Methanol

C-301	**1.5 mL**	**$25.00**
C-301P	**4 x 1.5 mL**	**$85.00**

BTEX with Methyl-tert-butyl ether

Benzene
Ethylbenzene
Toluene
o-Xylene
m-Xylene
p-Xylene
Methyl-tert-butyl ether

2000 ug/mL in Methanol

UST-120	**1.5 mL**	**$25.00**
UST-120P	**4 x 1.5 mL**	**$85.00**

See page 29 for Oxygenates Standards.

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

Single Component Solutions

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
Acenaphthene	83-32-9	Methanol	1000	1	$25
Acenaphthylene	208-96-8	Methanol	1000	75	$25
Acetochlor	34256-82-1	Methanol	100	1574L	$25
Acetone	67-64-1	Methanol	5000	284	$25
Acetonitrile	75-05-8	PT Methanol	1000	473	$25
Acetophenone	98-86-2	PT Methanol	5000	411	$25
Acifluorfen	50594-66-6	Methanol	1000	50760	$25
Acifluorfen	50594-66-6	MTBE	1000	50760-M	$25
Acifluorfen methyl ester	50594-66-6	Hexane	200	1608-H	$30
Acifluorfen methyl ester	50594-67-7	Methanol	1000	1608	$30
Acrolein	107-02-8	PT Methanol	5000	2	$25
Acrolein	107-02-8	DI Water	5000	2W	$25
Acrylamide	79-06-1	Methanol	1000	270	$25
Acrylonitrile	107-13-1	PT Methanol	2000	3L	$25
Alachlor	15972-60-8	Methanol	1000	1089	$25
Aldrin	309-00-2	Methanol	1000	220	$25
Allyl chloride	107-05-1	PT Methanol	2000	476	$25
2-Amino-4,6-dinitrotoluene	35572-78-2	Acetone	1000	254	$35
2-Amino-4,6-dinitrotoluene	35572-78-2	Methanol	1000	254-M	$35
2-Amino-4,6-dinitrotoluene	35572-78-2	Acetonitrile	1000	254-A	$35
4-Amino-2,6-dinitrotoluene	19406-51-0	Acetonitrile	1000	255	$35
tert-Amyl alcohol (2-Methyl-2-butanol)	75-85-4	PT Methanol	10000	1438	$25
tert-Amyl ethyl ether (TAEE)	919-94-8	PT Methanol	2000	198	$25
tert-Amyl methyl ether (TAME)	994-05-8	PT Methanol	2000	1379L	$25
5-α-Androstane	438-22-2	Methylene Chloride	2000	1342	$25
Aniline	62-53-3	Methanol	1000	542	$25
Anthracene	120-12-7	Acetone	1000	76	$25
Anthracene	120-12-7	Methanol	1000	76-M	$25
Anthracene	120-12-7	Acetonitrile	100	76L	$25
Anthracene-d10	120-12-7	Methylene Chloride	2000	144	$25
Aramite	140-57-8	Hexane	2000	922	$55
Arochlor 1016	12674-11-2	Iso-octane	5000	125	$25
Arochlor 1016	12674-11-2	Methanol	1000	125M	$25
Arochlor 1016	12674-11-2	Hexane	50	125L	$15
Arochlor 1016	12674-11-2	Transformer Oil	500 mg/kg	125H-T	$30
Arochlor 1016	12674-11-2	Transformer Oil	50 mg/kg	125L-T	$30
Arochlor 1221	11104-28-2	Iso-octane	5000	126	$25
Arochlor 1221	11104-28-2	Methanol	1000	126M	$25
Arochlor 1221	11104-28-2	Hexane	50	126L	$15
Arochlor 1221	11104-28-2	Transformer Oil	500 mg/kg	126H-T	$30
Arochlor 1221	11104-28-2	Transformer Oil	50 mg/kg	126L-T	$30
Arochlor 1232	11141-16-5	Iso-octane	5000	107	$25
Arochlor 1232	11141-16-5	Methanol	1000	107M	$25
Arochlor 1232	11141-16-5	Hexane	50	107L	$15
Arochlor 1232	11141-16-5	Transformer Oil	500 mg/kg	107H-T	$30
Arochlor 1232	11141-16-5	Transformer Oil	50 mg/kg	107L-T	$30
Arochlor 1242	53469-21-9	Iso-octane	5000	132	$25
Arochlor 1242	53469-21-9	Methanol	1000	132M	$25
Arochlor 1242	53469-21-9	Hexane	50	132L	$15
Arochlor 1242	53469-21-9	Transformer Oil	500 mg/kg	132H-T	$30
Arochlor 1242	53469-21-9	Transformer Oil	50 mg/kg	132L-T	$30
Arochlor 1248	12672-29-6	Iso-octane	5000	108	$25

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
Arochlor 1248	12672-29-6	Methanol	1000	108M	$25
Arochlor 1248	12672-29-6	Hexane	50	108L	$15
Arochlor 1248	12672-29-6	Transformer Oil	500 mg/kg	108H-T	$30
Arochlor 1248	12672-29-6	Transformer Oil	50 mg/kg	108L-T	$30
Arochlor 1254	11097-69-1	Iso-octane	5000	135	$25
Arochlor 1254	11097-69-1	Methanol	1000	135M	$25
Arochlor 1254	11097-69-1	Hexane	50	135L	$15
Arochlor 1254	11097-69-1	Transformer Oil	500 mg/kg	135H-T	$30
Arochlor 1254	11097-69-1	Transformer Oil	50 mg/kg	135L-T	$30
Arochlor 1260	11096-82-5	Iso-octane	5000	129	$25
Arochlor 1260	11096-82-5	Methanol	1000	129M	$25
Arochlor 1260	11096-82-5	Hexane	50	129L	$15
Arochlor 1260	11096-82-5	Transformer Oil	500 mg/kg	129H-T	$30
Arochlor 1260	11096-82-5	Transformer Oil	50 mg/kg	129L-T	$30
Arochlor 1262	37324-23-5	Iso-octane	5000	130	$30
Arochlor 1268	11100-14-4	Acetone	2500	131	$35
Aspon	3244-90-4	Methanol	1000	804	$25
Aspon	3244-90-4	Hexane/Acetone	1000	804-HA	$25
Atrazine	1912-24-9	Acetone	1000	1090	$25
Atrazine	1912-24-9	Hexane/Acetone	1000	1090-HA	$25
100 Octane Aviation Gas	8006-69-1	PT Methanol	2500	UST-970	$25
100 Octane Aviation Gas	8006-69-1	PT Methanol	5000	UST-170	$25
100 Octane Aviation Gas	8006-69-1	PT Methanol	50000	UST-175	$30
Azinphos methyl	86-50-0	Methanol	1000	53820-M	$25
Azinphos methyl	86-50-0	Hexane/Acetone	1000	53820-HA	$25
Azinphos ethyl	2642-71-9	Methanol	1000	1161-M	$25
Azinphos ethyl	2642-71-9	Hexane/Acetone	1000	1161-HA	$25
Azobenzene	103-33-3	Methylene Chloride	1000	1250	$25
Bentazon	25057-89-0	Methanol	1000	50425	$25
Bentazon	25057-89-0	MTBE	1000	50425-M	$25
Bentazon methyl ester	61592-45-8	Hexane	200	1629	$30
Benzaldehyde	100-52-7	Methylene Chloride	2000	407	$25
Benzene	71-43-2	PT Methanol	2000	4	$25
Benzene-d6	1076-43-3	PT Methanol	2000	259	$25
Benzidine	92-87-5	Methanol	1000	1213	$25
Benzo(a)anthracene	56-55-3	Methanol	1000	70	$25
Benzo(a)pyrene	50-32-8	Acetone	1000	71	$25
Benzo(a)pyrene	50-32-8	Methanol	1000	71-M	$25
Benzo(b)fluoranthene	205-99-2	Acetone	1000	72	$25
Benzo(b)fluoranthene	205-99-2	Methanol	1000	72-M	$25
Benzo(g,h,i)perylene	191-24-2	Methylene Chloride	1000	77	$25
Benzo(g,h,i)perylene	191-24-2	Methanol	1000	77-M	$25
Benzo(k)fluoranthene	207-08-9	Acetone	1000	73	$25
Benzo(k)fluoranthene	207-08-9	Methanol	1000	73-M	$25
Benzoic acid	65-85-0	Acetonitrile	5000	541	$25
Benzoic acid	65-85-0	Methylene Chloride	2000	541H	$25
Benzoic acid	65-85-0	Methanol	1000	541-M	$25
α-BHC	319-84-6	Methanol	1000	100	$25
β-BHC	319-85-7	Acetone	1000	101	$25
δ-BHC	319-86-8	Methanol	1000	103	$25
γ-BHC (Lindane)	58-89-9	Methanol	1000	102	$25

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
bis(2-Ethylhexyl)adipate	103-23-1	Methanol	1000	1211	$25
bis(2-Ethylhexyl)phthalate	117-81-7	Methylene Chloride	1000	64	$25
Bolstar (Sulprofos)	35400-43-2	Hexane	1000	1646	$25
Bolstar (Sulprofos)	35400-43-2	Hexane/Acetone	1000	1646-HA	$25
Bromobenzene	108-86-1	PT Methanol	2000	406	$25
2-Bromochlorobenzene	694-80-4	PT Methanol	2000	1260	$25
4-Bromochlorobenzene	106-39-8	PT Methanol	2000	1289	$25
1-Bromo-2-chloroethane	107-04-0	PT Methanol	2000	1407	$25
Bromochloromethane	74-97-5	PT Methanol	2000	136	$25
2-Bromo-1-chloropropane	3017-95-6	PT Methanol	2000	720M	$25
Bromodichloromethane (Dichlorobromomethane)	75-27-4	PT Methanol	2000	46	$25
4-Bromo-3,5-dimethylphenyl-N-methylcarbamate (BDMC)	3766-81-2	Methanol	100	269	$25
4-Bromofluorobenzene	460-00-4	Acetone	1000	233A	$25
4-Bromofluorobenzene	460-00-4	PT Methanol	2000	233H	$25
4-Bromofluorobenzene	460-00-4	PT Methanol	2500	233M	$25
4-Bromofluorobenzene	460-00-4	PT Methanol	5000	233	$25
4-Bromofluorobenzene	460-00-4	PT Methanol	10000	233HH	$25
Bromoform	75-25-2	PT Methanol	2000	212	$25
Bromomethane (Methyl bromide)	74-83-9	PT Methanol	2000	44	$25
1-Bromo-2-nitrobenzene	577-19-5	Acetone	5000	1470	$25
1-Bromo-2-nitrobenzene	577-19-5	Acetone	1000	1470L	$25
2-Bromopropionic acid	598-72-1	MTBE	1000	1174	$25
1,3-Butadiene	106-99-0	PT Methanol	2000	1468	$25
1,4-Butadiene	110-63-4	Methanol	1000	273	$25
1-Butanol	71-36-3	PT Methanol	50000	709H	$25
tert-Butanol	75-65-0	PT Methanol	50000	1321H	$25
2-Butanone (Methyl ethyl ketone)	78-93-3	PT Methanol	5000	311	$25
ε-Caprolactam	105-60-2	Methylene Chloride	2000	1473	$25
Carbazole	86-74-8	Methylene Chloride	1000	422	$25
Carbazole	86-74-8	Methanol	1000	422-M	$25
Carbon disulfide	75-15-0	PT Methanol	2000	363	$25
Carbon tetrachloride	56-23-5	PT Methanol	2000	360	$25
Carbophenothion	786-19-6	Methanol	1000	1703	$25
Carbophenothion	786-19-6	Hexane/Acetone	1000	1703-HA	$25
Chloral hydrate	302-17-0	Acetonitrile	1000	1179	$25
Chloramben	133-90-4	MTBE	1000	50140-M	$25
Chloramben methyl ester	7286-84-2	Hexane	200	1628	$30
Chlordane (Technical)	57-74-9	Hexane	1000	89-H	$25
Chlordane (Technical)	57-74-9	Iso-octane	5000	89-I	$25
Chlordane (Technical)	57-74-9	Methanol	2000	89-M	$25
α-Chlordane	5103-71-9	Methanol	1000	903	$25
γ-Chlordane	5566-34-7	Methanol	1000	797	$25
Chlorfenvinphos	470-90-6	Methanol	1000	51300-M	$25
Chlorfenvinphos	470-90-6	Hexane/Acetone	1000	51300-HA	$25
4-Chloroaniline	106-47-8	Methylene Chloride	2000	305	$25
Chlorobenzene	108-90-7	PT Methanol	2000	6	$25
Chlorobenzene-d5	108-90-7	PT Methanol	2000	1021M	$25
Chlorobenzilate	510-15-6	Methanol	1000	574	$25
Chloroethane (Ethyl chloride)	75-00-3	PT Methanol	2000	15	$25

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
2-Chloroethanol	107-07-3	PT Methanol	2000	1110	$25
2-Chloroethyl vinyl ether	110-75-8	PT Methanol	1000	17	$25
2-Chloroethyl vinyl ether	110-75-8	PT Methanol	2000	17H	$25
1-Chloro-2-fluorobenzene	348-51-6	PT Methanol	2000	119	$25
1-Chloro-4-fluorobenzene	352-33-0	PT Methanol	2500	1602	$25
Chloroform	67-66-3	PT Methanol	2000	21	$25
Chloromethane (Methyl chloride)	74-87-3	PT Methanol	2000	43	$25
2-Chloronaphthalene	91-58-7	Methanol	1000	18	$25
4-Chloro-3-nitrobenzotrifluoride	121-17-5	Acetone	5000	1471	$25
4-Chloro-3-nitrobenzotrifluoride	121-17-5	Acetone	1000	1471H	$25
1-Chlorooctadecane	3386-33-2	Methylene Chloride	10000	1373	$25
1-Chlorooctane	111-85-3	PT Methanol	10000	1374	$25
Chloroprene	126-99-8	PT Methanol	2000	1156	$35
Chlorpyrifos	2921-88-2	Methanol	1000	52900-M	$25
Chlorpyrifos	2921-88-2	Hexane/Acetone	1000	52900-HA	$25
Chlorpyrifos methyl	5598-13-0	Methanol	1000	1716-M	$25
Chlorpyrifos methyl	5598-13-0	Hexane/Acetone	1000	1716-HA	$25
Chrysene	218-01-9	Acetone	1000	74	$25
Chrysene	218-01-9	Methanol	1000	74-M	$25
Coumaphos	56-72-4	Methanol	1000	1647	$25
Coumaphos	56-72-4	Hexane/Acetone	1000	1647-HA	$25
Creosote		Methylene Chloride	50000	UST-955	$30
Crotoxyphos	7700-17-6	Hexane	1000	805	$25
Crotoxyphos	7700-17-6	Hexane/Acetone	1000	805-HA	$25
Cyanazine	21725-46-2	Acetone	1000	51552	$25
2,4-D (2,4-Dichlorophenylacetic acid)	94-75-1	Methanol	1000	330	$25
2,4-D (2,4-Dichlorophenylacetic acid)	94-75-1	MTBE	1000	330-M	$25
2,4-D methyl ester	1928-38-7	Methanol	1000	1294-M	$30
2,4-D methyl ester	1928-38-7	Hexane	200	1294	$30
Dacthal (DCPA dimethyl ester)	1861-32-1	Methanol	1000	51720	$30
Dacthal (DCPA dimethyl ester)	1861-32-1	Hexane	200	51720-H	$30
Dalapon	75-99-0	Acetonitrile	1000	1091	$25
Dalapon	75-99-0	Methanol	1000	1091L	$25
Dalapon	75-99-0	Methanol	2000	1091H	$25
Dalapon	75-99-0	MTBE	1000	1091-M	$25
Dalapon methyl ester	17640-02-7	Hexane	2000	1296-H	$30
Dalapon methyl ester	17640-02-7	Methanol	1000	1296-M	$30
Dalapon methyl ester	17640-02-7	Hexane	200	1296	$30
2,4-DB	94-82-6	Methanol	1000	53080	$25
2,4-DB	94-82-6	MTBE	1000	53080-M	$25
2,4-DB methyl ester	94-82-6	Hexane	200	1295	$30
DCPA diacid (TCPA)	2136-79-0	Methanol	200	1619	$25
DCPA diacid (TCPA)	2136-79-0	MTBE	1000	1619-M	$25
2,4'-DDD	53-19-0	Methanol	1000	51760	$25
4,4'-DDD	72-54-8	Methanol	1000	92	$25
2,4'-DDE	3424-82-6	Methanol	1000	1605	$25
4,4'-DDE	72-55-9	Methanol	1000	91	$25
2,4'-DDT	789-02-6	Methanol	1000	1461	$25
4,4'-DDT	50-29-3	Methanol	1000	124	$25

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
Decachlorobiphenyl (BZ #209)	2051-24-3	Acetone	200	1084-A	$25
Decachlorobiphenyl (BZ #209)	2051-24-3	Iso-octane	10	1084L	$25
Decafluorobiphenyl	434-90-2	Acetone	1000	339-A	$25
Decafluorobiphenyl	434-90-2	Methylene Chloride	2000	339-M	$25
Decafluorobiphenyl	434-90-2	Acetonitrile	1000	339	$25
Decafluorotriphenylphosphine (DFTPP)	5074-71-5	Methylene Chloride	2500	1010H	$25
Demeton, O and S	8065-48-3	Hexane	1000	1610	$25
Demeton, O and S	8065-48-3	Hexane/Acetone	1000	1610-HA	$25
Desethyl-atrazine	6190-65-4	Acetone	1000	1398	$25
Desisopropylatrazine	1007-28-9	Acetone	1000	1399	$25
Diazinon	333-41-5	Methanol	1000	52080-M	$25
Diazinon	333-41-5	Hexane/Acetone	1000	52080-HA	$25
Dibenz(a,h)anthracene	53-70-3	Methylene Chloride	1000	231	$25
Dibenz(a,h)anthracene	53-70-3	Methanol	1000	231-M	$25
4,4'-Dibromobiphenyl	92-86-4	Methylene Chloride	2000	793H	$25
4,4'-Dibromobiphenyl	92-86-4	Ethyl Acetate	500	793L	$25
Dibromochloromethane (Chlorodibromomethane)	124-48-1	PT Methanol	2000	200H	$25
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	PT Methanol	2000	993	$25
1,2-Dibromoethane	106-93-4	PT Methanol	2000	171	$25
Dibromomethane	74-95-3	PT Methanol	2000	1097	$25
4,4'-Dibromooctafluorobiphenyl	10386-84-2	Methylene Chloride	2000	1126L	$25
4,4'-Dibromooctafluorobiphenyl	10386-84-2	Hexane	250	1126-H	$25
4,4'-Dibromooctafluorobiphenyl	10386-84-2	MTBE	2000	1126-M	$25
2,3-Dibromopropionic acid	600-05-5	MTBE	1000	1176	$25
2,5-Dibromotoluene	615-59-8	PT Methanol	1000	1393L	$25
2,5-Dibromotoluene	615-59-8	PT Methanol	10000	1393H	$25
Dibutyl chlorendate	1770-80-5	Acetone	200	798	$25
Dicamba	1918-00-9	Methanol	1000	52140	$25
Dicamba	1918-00-9	MTBE	1000	52140-M	$25
Dicamba methyl ester	6597-78-0	Methanol	1000	1293-M	$30
Dicamba methyl ester	6597-78-0	Hexane	200	1293	$30
Dichlofenthion	97-17-6	Methanol	1000	1717	$25
Dichlofenthion	97-17-6	Hexane/Acetone	1000	1717-HA	$25
1,2-Dichlorobenzene	95-50-1	Methanol	1000	23	$25
1,3-Dichlorobenzene	541-73-1	Methanol	1000	214	$25
1,4-Dichlorobenzene	106-46-7	Acetonitrile	1000	25-A	$25
1,4-Dichlorobenzene	106-46-7	Methanol	1000	25	$25
1,2-Dichlorobenzene-d4	2199-69-1	PT Methanol	2000	776	$25
3,3'-Dichlorobenzidine	91-94-1	Methylene Chloride	2000	1214-M	$25
3,3'-Dichlorobenzidine	91-94-1	Methanol	2000	1214	$25
3,5-Dichlorobenzoic acid	51-36-5	MTBE	1000	1344-M	$25
3,5-Dichlorobenzoic acid methyl ester	2905-67-1	Methanol	1000	1630	$30
3,5-Dichlorobenzoic acid methyl ester	2905-67-1	MTBE	10000	1630-MH	$30
3,5-Dichlorobenzoic acid methyl ester	2905-67-1	Hexane	200	1630-H	$30
1,4-Dichlorobutane	110-56-5	PT Methanol	2000	158	$25

Single Component Solutions

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
trans-1,4-Dichloro-2-butene	110-57-6	PT Methanol	2000	831	$25
Dichlorodifluoromethane (CFC-12)	75-71-8	PT Methanol	2000	346	$25
1,1-Dichloroethane	75-34-3	PT Methanol	2000	12	$25
1,2-Dichloroethane	107-06-2	PT Methanol	2000	9	$25
1,2-Dichloroethane-d4	17060-07-0	PT Methanol	2000	876	$25
1,1-Dichloroethylene	75-35-4	PT Methanol	2000	27	$25
cis-1,2-Dichloroethylene	156-59-2	PT Methanol	2000	173	$25
trans-1,2-Dichloroethylene	156-60-5	PT Methanol	2000	28	$25
2,6-Dichlorophenol	87-65-0	Methanol	1000	302-M	$25
2,4-Dichlorophenylacetic acid (DCAA)	19719-28-9	Methanol	200	1191-M	$25
2,4-Dichlorophenylacetic acid (DCAA)	19719-28-9	Acetone	1000	1191-A	$25
2,4-Dichlorophenylacetic acid methyl ester	55954-23-9	Hexane	200	1291L	$25
1,2-Dichloropropane	78-87-5	PT Methanol	2000	30	$25
2,2-Dichloropropane	594-20-7	PT Methanol	2000	1167	$25
cis-1,3-Dichloropropene	10061-01-5	PT Methanol	2000	520	$25
trans-1,3-Dichloropropylene	10061-02-6	PT Methanol	2000	451	$25
2,3-Dichloropropionic acid	565-64-0	MTBE	1000	274	$25
2,3-Dichloropropionic acid methyl ester	36704-09-7	MTBE	1000	276	$25
Dichlorprop	120-36-5	Methanol	1000	52309	$25
Dichlorprop	120-36-5	MTBE	1000	52309-M	$25
Dichlorprop methyl ester	57153-17-0	Methanol	1000	1297-M	$30
Dichlorprop methyl ester	57153-17-0	Hexane	200	1297	$30
Dichlorvos	62-73-7	Methanol	1000	52320-M	$25
Dichlorvos	62-73-7	Hexane/Acetone	1000	52320-HA	$25
Dicrotophos	141-66-2	Methanol	1000	611	$25
Dicrotophos	141-66-2	Hexane/Acetone	1000	611-HA	$25
Dieldrin	60-57-1	Methanol	1000	88	$25
Diesel Fuel #2 Composite	68334-30-5	Methylene Chloride	5000	UST-140	$25
Diesel Fuel #2 Composite	68334-30-5	Methylene Chloride	50000	UST-145	$30
Diesel Fuel #2 25% Weathered	68334-30-5	Methylene Chloride	5000	UST-140-25	$25
Diesel Fuel #2 50% Weathered	68334-30-5	Methylene Chloride	5000	UST-140-50	$25
Diesel Fuel #2 75% Weathered	68334-30-5	Methylene Chloride	5000	UST-140-75	$25
Diethyl ether (Ethyl ether) (Ether)	60-29-7	PT Methanol	2000	285	$25
1,4-Difluorobenzene	540-36-3	PT Methanol	2000	791	$25
Diisopropyl ether (DIPE)	108-20-3	PT Methanol	2000	1246	$25
Dimethoate	60-51-5	Methanol	1000	345-M	$25
Dimethoate	60-51-5	Hexane/Acetone	1000	345-HA	$25
3,5-Dinitroaniline	618-87-1	Acetonitrile	1000	807	$25
1,2-Dinitrobenzene	528-29-0	Methanol	1000	1483-M	$25
1,2-Dinitrobenzene	528-29-0	Acetonitrile	1000	1483	$25
1,3-Dinitrobenzene	99-65-0	Acetonitrile	1000	527-A	$25
1,4-Dinitobenzene	100-25-4	Acetonitrile	2000	1484	$25
2,4-Dinitrophenol	51-28-5	Methanol	1000	57	$25
2,4-Dinitrotoluene	121-14-2	Acetonitrile	1000	33-A	$25
2,6-Dinitrotoluene	606-20-2	Acetonitrile	1000	34-A	$25
3,4-Dinitrotoluene	610-39-9	Acetonitrile	1000	279	$25
3,4-Dinitrotoluene	610-39-9	Methanol	1000	279-M	$25

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
Di-n-octyl phthalate	117-84-0	Methanol	1000	67	$25
Dinoseb	88-85-7	Methanol	1000	455	$25
Dinoseb	88-85-7	MTBE	1000	455-M	$25
Dinoseb methyl ether	6099-79-2	Methanol	1000	1292	$30
Dinoseb methyl ether	6099-79-2	Hexane	200	1292-H	$30
1,4-Dioxane	123-91-1	Methylene Chloride	2000	480-M	$25
1,4-Dioxane	123-91-1	PT Methanol	2000	480	$25
Dioxathion	78-34-2	Hexane	1000	161	$25
Dioxathion	78-34-2	Hexane/Acetone	1000	161-HA	$25
1,2-Diphenylhydrazine	122-66-7	Methanol	1000	35-M	$25
Disulfoton	298-04-4	Methanol	1000	654-M	$25
Disulfoton	298-04-4	Hexane/Acetone	1000	654-HA	$25
Diuron	330-54-1	Acetonitrile	200	52740	$25
Endosulfan I	959-98-8	Methanol	1000	93	$25
Endosulfan II	33213-65-9	Methanol	1000	94	$25
Endosulfan sulfate	1031-07-8	Methanol	1000	95	$25
Endrin	72-20-8	Methanol	1000	96	$25
Endrin aldehyde	7421-93-4	Methanol	1000	97	$25
Endrin ketone	53494-70-5	Methanol	1000	1036	$25
EPN	2104-64-5	Hexane	1000	1604	$25
EPN	2104-64-5	Hexane/Acetone	1000	1604-HA	$25
Ethanol	64-17-5	PT Methanol	2000	1218	$25
Ethanol	64-17-5	DI Water	10000	1218H	$25
Ethion	563-12-2	Methanol	1000	1607-M	$25
Ethion	563-12-2	Hexane/Acetone	1000	1607-HA	$25
Ethoprop (Prophos, Mocap)	13194-48-4	Methanol	1000	1486-M	$25
Ethoprop (Prophos, Mocap)	13194-48-4	Hexane/Acetone	1000	1486-HA	$25
Ethylbenzene	100-41-4	PT Methanol	2000	36	$25
Ethylbenzene-d10	25837-05-2	PT Methanol	2000	280	$25
Ethylbenzene-d5	20302-26-5	PT Methanol	2000	281	$25
Ethyl-tert-butyl ether (ETBE)	637-92-3	PT Methanol	2000	1378	$25
Ethyl methacrylate	97-63-2	PT Methanol	2000	687	$25
Famphur	52-85-7	Methanol	1000	727-M	$25
Famphur	52-85-7	Hexane/Acetone	1000	727-HA	$25
Fenitrothion	122-14-5	Methanol	1000	53480-M	$25
Fenitrothion	122-14-5	Hexane/Acetone	1000	53480-HA	$25
Fensulfothion	115-90-2	Methanol	1000	53500	$25
Fensulfothion	115-90-2	Hexane/Acetone	1000	53500-HA	$25
Fenthion	55-38-9	Hexane	1000	53520-H	$25
Fenthion	55-38-9	Hexane/Acetone	1000	53520-HA	$25
Fluoranthene	206-44-0	Methanol	1000	37-M	$25
Fluoranthene	206-44-0	Methanol	5000	37	$25
Fluorene	86-73-7	Methanol	1000	78-M	$25
Fluorene	86-73-7	Methanol	5000	78	$25
Fluorobenzene	462-06-6	PT Methanol	2000	232H	$25
2-Fluorobiphenyl	321-60-8	Methylene Chloride	2000	194L	$25
2-Fluorobiphenyl	321-60-8	Methylene Chloride	10000	194	$25
1-Fluoronaphthalene	321-38-0	Methylene Chloride	2000	195	$25
2-Fluorophenol	367-12-4	Methylene Chloride	2000	193	$25
Fonophos (Dyfonate)	944-22-9	Methanol	1000	52910-M	$25
Fonophos (Dyfonate)	944-22-9	Hexane/Acetone	1000	52910-HA	$25

Single Component Solutions

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
Fuel Oil #4	68476-31-3	Methylene Chloride	5000	UST-875	$25
Fuel Oil #4	68476-31-3	Methylene Chloride	50000	UST-880	$30
Fuel Oil #5	70892-11-4	Methylene Chloride	5000	UST-885	$25
Fuel Oil #5	70892-11-4	Methylene Chloride	50000	UST-890	$30
Fuel Oil #6	68553-00-4	Methylene Chloride	5000	UST-895	$25
Fuel Oil #6	68553-00-4	Methylene Chloride	50000	UST-900	$30
Fuel Oil #6 (5 mL)	68553-00-4	Methylene Chloride	50000	UST-900-5	$30
Fuel Oil #8	68553-00-4	Methylene Chloride	5000	UST-220	$25
Fuel Oil #8	68553-00-4	Methylene Chloride	50000	UST-225	$30
Glyphosate	1071-83-6	DI Water	1000	1215H	$22
Heptachlor	76-44-8	Methanol	1000	98	$22
Heptachlor epoxide (Isomer B)	1024-57-3	Methanol	1000	99	$22
Hexachlorobenzene	118-74-1	Acetone	1000	8	$22
Hexachloro-1,3-butadiene	87-68-3	Methanol	1000	50	$22
Hexachlorocyclopentadiene	77-47-4	Methanol	1000	51	$22
Hexachloroethane	67-72-1	Methanol	1000	11	$22
Hexachlorophene	70-30-4	Methylene Chloride	2000	323	$22
Hexamethylphosphoramide	680-31-9	Methanol	1000	418	$25
Hexamethylphosphoramide	680-31-9	Hexane/Acetone	1000	418-HA	$25
HMX	2691-41-0	Acetonitrile	1000	409	$50
Hydraulic Oil	64741-89-5	Methylene Chloride	20000	UST-510	$25
Hydraulic Oil	64741-89-5	Methylene Chloride	5000	UST-925	$25
Hydraulic Oil	64741-89-5	Methylene Chloride	50000	UST-930	$30
Indeno(1,2,3-c,d)pyrene	193-39-5	Methylene Chloride	1000	81	$25
Indeno(1,2,3-c,d)pyrene	193-39-5	Methanol	1000	81-M	$25
Iodomethane	74-88-4	PT Methanol	2000	253	$25
Isobutyl alcohol (Isobutanol)	78-83-1	PT Methanol	2000	659L	$25
Isobutylbenzene	538-93-2	Methanol	1000	1286	$25
Isopropylbenzene (1-Methyl ethyl benzene)	98-82-8	PT Methanol	2000	669	$25
Jet Fuel A	64742-47-8	Methylene Chloride	5000	UST-160	$25
Jet Fuel A	64742-47-8	Methylene Chloride	50000	UST-165	$30
Jet Fuel A (5 mL)	64742-47-8	Methylene Chloride	50000	UST-165-5	$30
JP-4 Military Fuel	8008-20-6	Methylene Chloride	5000	UST-905	$25
JP-4 Military Fuel	8008-20-6	Methylene Chloride	50000	UST-910	$30
JP-5 Military Fuel	8008-20-6	Methylene Chloride	5000	UST-915	$25
JP-5 Military Fuel	8008-20-6	Methylene Chloride	50000	UST-920	$30
JP-8 Military Fuel	8008-20-6	Methylene Chloride	5000	UST-210	$25
JP-8 Military Fuel	8008-20-6	Methylene Chloride	50000	UST-215	$30
Kerosene Composite	84742-81-0	Methylene Chloride	5000	UST-150	$25
Kerosene Composite	84742-81-0	Methylene Chloride	50000	UST-155	$30
Kerosene Composite (5 mL)	84742-81-0	Methylene Chloride	50000	UST-155-5	$30
Kerosene: 25% Weathered	84742-81-0	Methylene Chloride	5000	UST-150-25	$25
Kerosene: 50% Weathered	84742-81-0	Methylene Chloride	5000	UST-150-50	$25
Kerosene: 75% Weathered	84742-81-0	Methylene Chloride	5000	UST-150-75	$25
Leptophos	21609-90-5	Methanol	1000	162-M	$25
Leptophos	21609-90-5	Hexane/Acetone	1000	162-HA	$25
Malathion	121-75-0	Methanol	1000	54260-M	$25
Malathion	121-75-0	Hexane/Acetone	1000	54260-HA	$25
MCPA	94-74-6	Methanol	1000	54340	$25
MCPA	94-74-6	MTBE	1000	54340-M	$25

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
MCPA methyl ester	2436-73-9	Hexane	2000	1301-H	$42
MCPP	93-65-2	Methanol	1000	54400	$25
MCPP	93-65-2	MTBE	1000	54400-M	$25
MCPP methyl ester	23844-56-6	Hexane	2000	1300-H	$42
Merphos	150-50-5	Hexane	1000	1648-H	$25
Merphos	150-50-5	Hexane/Acetone	1000	1648-HA	$25
Methacrylonitrile	126-98-7	PT Methanol	2000	686H	$25
Methanol	67-56-1	DI Water	10000	1217	$25
Methoxychlor	72-43-5	Methanol	1000	952	$25
Methyl-tert-butyl ether (MTBE)	1634-04-4	PT Methanol	2000	1220L	$25
2-Methyl-4,6-dinitrophenol	534-52-1	Methanol	1000	58	$25
Methyl methacrylate	80-62-6	PT Methanol	2000	439	$25
1-Methylnaphthalene	90-12-0	Methanol	1000	1288-M	$25
1-Methylnaphthalene	90-12-0	Methanol	5000	1288	$25
2-Methylnaphthalene	91-57-6	Methylene Chloride	1000	562	$25
2-Methylnaphthalene	91-57-6	Methanol	1000	562-M	$25
2-Methyl-5-nitroaniline (5-Nitro-o-toluidine)	99-55-8	Methanol	1000	344	$25
2-Methyl-2-pentanol	590-36-3	PT Methanol	20000	197H	$25
4-Methyl-2-pentanone (MIBK)	108-10-1	PT Methanol	5000	349H	$25
3-Methylphenol	108-39-4	Methanol	1000	251L	$25
Methylene chloride (Dichloromethane)	75-09-2	PT Methanol	2000	42	$25
Metolachlor	51218-45-2	Methanol	100	54620-M	$25
Metribuzin	21087-64-9	Acetone	1000	54634	$25
Mevinphos (Phosdrin)	7786-34-7	Methanol	1000	54640	$25
Mevinphos (Phosdrin)	7786-34-7	Hexane/Acetone	1000	54640-HA	$25
Mineral Spirits	8030-30-6	Methylene Chloride	5000	UST-935	$25
Mineral Spirits	8030-30-6	Methylene Chloride	50000	UST-940	$30
Mineral Spirits: 25% Weathered	8030-30-6	Methylene Chloride	5000	UST-935-25	$25
Mineral Spirits: 50% Weathered	8030-30-6	Methylene Chloride	5000	UST-935-50	$25
Mineral Spirits: 75% Weathered	8030-30-6	Methylene Chloride	5000	UST-935-75	$25
Monocrotophos	6923-22-4	Methanol	1000	50360	$25
Monocrotophos	6923-22-4	Hexane/Acetone	1000	50360-HA	$25
10W30 Motor Oil		Methylene Chloride	5000	UST-960	$25
10W30 Motor Oil		Methylene Chloride	50000	UST-965	$30
Naled	300-76-5	Methanol	1000	54860	$25
Naled	300-76-5	Hexane/Acetone	1000	54860-HA	$25
Naphthalene	91-20-3	Methanol	1000	53-M	$25
Naphthalene	91-20-3	Methanol	5000	53	$25
Naphthalene-d8	1146-65-2	Methylene Chloride	2000	140	$25
Nitrobenzene	99-95-3	Methanol	5000	54	$25
Nitrobenzene	99-95-3	Acetonitrile	1000	54-A	$25
Nitrobenzene-d5	4165-60-0	Methylene Chloride	2000	166	$25
Nitroglycerin	55-63-0	Methanol	1000	514	$35
Nitroguanidine	556-88-7	Methanol	1000	811	$35
2-Nitromesitylene	603-71-4	Methanol	2000	283	$25
4-Nitrophenol	100-02-7	Methanol	1000	56	$25
4-Nitrophenol	100-02-7	MTBE	1000	56-M	$25
4-Nitrophenol methyl ester	100-02-7	Hexane	200	1627	$30
2-Nitropropane	79-46-9	PT Methanol	2000	1313	$25

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
N-Nitrosodimethylamine	62-75-9	Methanol	1000	59	$25
N-Nitrosodiphenylamine	86-30-6	Methanol	1000	60	$25
N-Nitroso-di-n-propylamine	621-64-7	Methanol	1000	61	$25
2-Nitrotoluene	88-72-2	Acetonitrile	1000	1043	$25
3-Nitrotoluene	99-08-1	Acetonitrile	1000	1044	$25
4-Nitrotoluene	99-99-0	Acetonitrile	1000	1045	$25
n-Nonatriacontane (C39)	7194-86-7	Methylene Chloride/ Carbon Disulfide	6000	1339	$70
n-Nonatriacontane (C39)	7194-86-7	Methylene Chloride/ Carbon Disulfide	2000	1339L	$30
n-Nonatriacontane (C39)	7194-86-7	Carbon Disulfide	3000	1339-CD	$25
n-Nonatriacontane (C39)	7194-86-7	Carbon Disulfide	3000	1339-CD	$25
n-Octacosane (C28)	630-02-4	Methylene Chloride	10000	248	$25
Parathion ethyl	56-38-2	Methanol	1000	560-M	$25
Parathion ethyl	56-38-2	Hexane/Acetone	1000	560-HA	$25
Parathion methyl	298-00-0	Methanol	1000	572-M	$25
Parathion methyl	298-00-0	Hexane/Acetone	1000	572-HA	$25
Pentachloroanisole	1825-21-4	Methanol	1000	1417-M	$25
Pentachloroethane	76-01-7	PT Methanol	2000	300L	$25
Pentachloronitrobenzene	82-68-8	Acetone	5000	156	$25
Pentachloronitrobenzene	82-68-8	Ethyl Acetate	100	156L	$25
Pentachlorophenol	87-86-5	Methanol	1000	62	$25
Pentachlorophenol	87-86-5	MTBE	1000	62-M	$25
Pentachlorophenol methyl ester	1825-21-4	Hexane	200	1417	$30
n-Pentacosane (C25)	629-99-2	Methylene Chloride	10000	277	$25
Pentafluorobenzene	363-72-4	PT Methanol	2000	1248	$25
Pentafluorophenol	771-61-9	Methylene Chloride	2000	861	$25
PETN (Pentaerythritol tetranitrate)	78-11-5	Methanol	1000	515	$35
Phenanthrene	85-01-8	Methanol	1000	79	$25
Phenanthrene-d10	1517-22-2	Methylene Chloride	2000	230H	$25
Phenol	108-95-2	Methanol	1000	63	$25
Phenol-d6	13127-88-3	Methylene Chloride	2000	167	$25
Phorate	298-02-2	Methanol	1000	869-M	$25
Phorate	298-02-2	Hexane/Acetone	1000	869-HA	$25
Phosmet	732-11-6	Methanol	1000	757	$25
Phosmet	732-11-6	Hexane/Acetone	1000	757-HA	$25
Phosphamidon	13171-21-6	Methanol	1000	1489-M	$25
Phosphamidon	13171-21-6	Hexane/Acetone	1000	1489-HA	$25
Picloram	1918-02-1	Methanol	1000	713	$25
Picloram	1918-02-1	MTBE	1000	713-M	$25
Picloram methyl ester	14143-55-6	Methanol	1000	1460-M	$30
Picloram methyl ester	14143-55-6	Hexane	200	1460	$30
Picric acid	88-89-1	Methanol	1000	223	$35
Prometryne	7287-19-6	Acetone	1000	55780	$25
Propachlor	1918-16-7	Methanol	1000	55820-M	$25
2-Propanol (Isopropyl alcohol)	67-63-0	DI Water	50000	123	$25
Propazine	139-40-2	Acetone	1000	55800	$25
Propionitrile	107-12-0	PT Methanol	2000	338H	$25
Pyrene	129-00-0	Methanol	1000	82	$25
Pyridine	110-86-1	PT Methanol	2000	271L	$25
Pyridine-d5	110-86-1	Methylene Chloride	2000	891	$25

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
RDX	121-82-4	Acetonitrile	1000	415	$50
Ronnel (Fenchlorphos)	299-84-3	Methanol	1000	1529	$25
Ronnel (Fenchlorphos)	299-84-3	Hexane/Acetone	1000	1529-HA	$25
Simazine	122-34-9	Acetone	1000	1094H	$25
Simazine	122-34-9	Methanol	1000	1094-M	$25
Simazine	122-34-9	Hexane/Acetone	1000	1094-HA	$25
Stirophos	961-11-5	Methanol	1000	1533	$25
Stirophos	961-11-5	Hexane/Acetone	1000	1533-HA	$25
Stoddard Solvent		PT Methanol	10000	UST-945	$25
Styrene	100-42-5	PT Methanol	2000	257	$25
Sulfotep	3689-24-5	Methanol	1000	924-M	$25
Sulfotep	3689-24-5	Hexane/Acetone	1000	924-HA	$25
2,4,5-T	93-76-5	Methanol	200	370L	$25
2,4,5-T	93-76-5	MTBE	1000	370-M	$25
2,4,5-T methyl ester	1928-37-6	Methanol	1000	1299-M	$30
2,4,5-T methyl ester	1928-37-6	Hexane	200	1299	$30
TEPP	107-49-3	Hexane	1000	1652-H	$25
TEPP	107-49-3	Hexane/Acetone	1000	1652-HA	$25
Terbufos	13071-79-9	Methanol	1000	56573-M	$25
Terbufos	13071-79-9	Hexane/Acetone	1000	53573-HA	$25
o-Terphenyl	84-15-1	Acetone	2000	1341AC	$25
o-Terphenyl	84-15-1	Methylene Chloride	10000	1341H	$25
p-Terphenyl	92-94-4	Methylene Chloride	10000	1024	$25
p-Terphenyl-d14	1718-51-0	Methylene Chloride	1000	909	$25
p-Terphenyl-d14	1718-51-0	Methylene Chloride	2000	909H	$25
α-Terpineol	98-55-5	Methylene Chloride	2000	1635	$25
1,1,1,2-Tetrachloroethane	630-20-6	PT Methanol	2000	335	$25
1,1,2,2-Tetrachloroethane	79-34-5	PT Methanol	2000	14	$25
Tetrachloroethylene	127-18-4	PT Methanol	2000	83	$25
2,3,4,6-Tetrachlorophenol	58-90-2	Methanol	1000	498	$25
2,4,5,6-Tetrachloro-m-xylene	877-09-8	Acetone	200	1180	$25
Tetrahydrofuran (THF)	109-99-9	PT Methanol	2000	685	$25
Tetryl	479-45-8	Acetonitrile	1000	416	$50
Thionazin (Zinophos)	297-97-2	Methanol	1000	1287-M	$25
Thionazin (Zinophos)	297-97-2	Hexane/Acetone	1000	1287-HA	$25
Tokuthion	34643-46-4	Hexane	1000	1649-H	$25
Tokuthion	34643-46-4	Hexane/Acetone	1000	1649-HA	$25
Toluene	108-88-3	PT Methanol	2000	84	$25
Toluene-d8	2037-26-5	PT Methanol	2000	143	$25
Toxaphene	8001-35-2	Hexane	1000	111-H	$25
Toxaphene	8001-35-2	Iso-octane	5000	111H-I	$25
Toxaphene	8001-35-2	Acetone	10000	111H	$70
Toxaphene	8001-35-2	Methanol	1000	111L	$25
Toxaphene	8001-35-2	Methanol	2000	111-M	$25
2,4,5-TP (Silvex)	93-72-1	Methanol	1000	552	$25
2,4,5-TP (Silvex)	93-72-1	MTBE	1000	552-M	$25
2,4,5-TP (Silvex) methyl ester	4841-20-7	Methanol	1000	1298-M	$30
2,4,5-TP (Silvex) methyl ester	4841-20-7	Hexane	200	1298	$30
2,4,6-Tribromophenol	118-79-6	Methanol	1000	875-M	$25
2,4,6-Tribromophenol	118-79-6	Methanol	2000	875H	$25
Tributylphosphate	126-73-8	Acetone	1000	1333	$25

Single Component Solutions (Cont.)

Compound	CAS #	Solvent	Conc (ug/mL)	Cat #	Price Each
Tributyltin chloride	1461-22-9	Methylene Chloride	2000	1428	$25
Trichlorfon	52-68-6	Methanol	1000	1490-M	$25
Trichlorfon	52-68-6	Hexane/Acetone	1000	1490-HA	$25
1,2,3-Trichlorobenzene	87-61-6	PT Methanol	2000	175	$25
1,2,4-Trichlorobenzene	120-52-1	Methanol	1000	7	$25
1,1,1-Trichloroethane	71-55-6	PT Methanol	2000	10	$25
1,1,2-Trichloroethane	79-00-5	PT Methanol	2000	13	$25
Trichloroethylene	79-01-6	PT Methanol	2000	85	$25
Trichloronate	327-98-0	Hexane	1000	1651	$25
Trichloronate	327-98-0	Hexane/Acetone	1000	1651-HA	$25
Trichlorofluoromethane (CFC-11)	75-69-4	PT Methanol	2000	47	$25
2,4,5-Trichlorophenol	95-95-4	Acetone	1000	179-A	$25
2,4,5-Trichlorophenol	95-95-4	Methanol	1000	179	$25
2,4,6-Trichlorophenol	88-06-2	Methanol	1000	19	$25
1,2,3-Trichloropropane	96-18-4	MTBE	1000	368M	$25
1,2,3-Trichloropropane	96-18-4	PT Methanol	2000	368	$25
1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	PT Methanol	2000	493	$25
α,α,α-Trifluorotoluene	98-08-8	PT Methanol	2000	1261	$25
α,α,α-Trifluorotoluene	98-08-8	PT Methanol	2500	1261M	$25
α,α,α-Trifluorotoluene	98-08-8	PT Methanol	10000	1261H	$25
Trifluralin	1582-09-8	Methanol	1000	56800-M	$25
1,2,4-Trimethylbenzene	95-63-6	PT Methanol	2000	1107	$25
1,3,5-Trimethylbenzene	108-67-8	PT Methanol	2000	1103	$25
1,2,4-Trimethyl-5-nitrobenzene	610-91-3	Methanol	2000	287	$25
1,3,5-Trinitrobenzene	99-35-4	Acetonitrile	1000	906	$25
2,4,6-Trinitrotoluene	118-96-7	Acetonitrile	1000	417	$50
Tripentyltin chloride	3342-67-4	Methylene Chloride	2000	288	$25
Triphenyl phosphate	115-86-6	Acetone	1000	1702-A	$25
Tri-n-propyl tin chloride	995-25-5	Methylene Chloride	2000	289	$25
Tritolyl phosphate	1330-78-5	Methanol	1000	420	$25
Tritolyl phosphate	1330-78-5	Hexane/Acetone	1000	420-HA	$25
Unleaded Gasoline Composite	8006-61-9	PT Methanol	2500	UST-995	$25
Unleaded Gasoline Composite	8006-61-9	PT Methanol	5000	UST-130	$25
Unleaded Gasoline Composite	8006-61-9	PT Methanol	50000	UST-135	$30
Unleaded Gasoline: 25% Weathered	8006-61-9	PT Methanol	5000	UST-135-25	$25
Unleaded Gasoline: 50% Weathered	8006-61-9	PT Methanol	5000	UST-135-50	$25
Unleaded Gasoline: 75% Weathered	8006-61-9	PT Methanol	5000	UST-135-75	$25
Unleaded Gasoline: 99% Weathered	8006-61-9	PT Methanol	5000	UST-135-99	$25
Waste Motor Oil Composite	64742-65-0	Methylene Chloride	5000	UST-180	$25
Waste Motor Oil Composite	64742-65-0	Methylene Chloride	50000	UST-185	$30
Vinyl acetate	108-05-4	PT Methanol	2000	327ME	$25
Vinyl chloride	75-01-4	PT Methanol	2000	536L	$25
Vinyl chloride	75-01-4	PT Methanol	2500	536H	$25
m-Xylene	108-38-3	PT Methanol	2000	202	$25
o-Xylene	95-47-6	PT Methanol	2000	201	$25
p-Xylene	106-42-3	PT Methanol	2000	203	$25

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

Inorganic and Microbiological Standards for Environmental Testing

Microbiological Reference Standards	pg. 82
Solids (TSS, TDS, TS) Standards and CRMs	pg. 83
Residual Chlorine Standards	pg. 84
BOD Standards	pg. 86
Universal Wastewater Standards	pg. 87
pH CRMs	pg. 88
Oil and Grease/TPH Standards	pg. 89
Wastewater Minerals/Nutrients Standards	pg. 90
Drinking Water Minerals/Nutrients Standards	pg. 91
Turbidity Standards	pg. 92
Sulfide Standards	pg. 92
Surfactant/Wet Chemistry Standards	pg. 93
IC CRMs/Eluents	pg. 94
ICP CRMs	pg. 96
Metals in Soil Standards	pg. 100
Soil LCS Standards	pg. 100

Microbiological Reference Standards

Check This Out:

Unless noted, all microbiological standards are supplied with hydration buffer

Note: All Microbiological Reference Standards are traceable to national strains and are only one pass from the original culture.

NEW FROM NSI

Sample Dechlorination Check Solution Concentrate

Designed for use to meet requirements of SM 9060-A, paragraph 2. Dilute 1 mL of concentrate to 1000 mL to prepare residual chlorine solution at concentrations required by Standard Methods and NELAC. For Drinking Water samples, order 5 mg/mL concentrate. For Wastewater samples, order 15 mg/mL concentrate.

QC-012-5 (5 mg/mL) 24 x 1 mL
$50.00

QC-012-15 (15 mg/mL) 24 x 1 mL
$50.00

E. coli

Use as a positive, quantitative control for all of your coliform analyses. Certified by multiple methods including IDEXX Quanti-Tray® for E. coli by SM 9223B and Fecal Coliform by SM 9222D and Total Coliform by SM 9222B. The actual lot activity and traceability information is supplied on the product insert. E. coli samples formulated at 1000-2000 CFU per pellet.

9001-5	**5 Sample Kit**	**$85.00**
9001-20	**20 Sample Kit**	**$235.00**
9001-5X*	**5 Samples**	**$75.00**
9001-20X*	**20 Samples**	**$195.00**

**No hydration buffer.*

Certified Standards for P. aeruginosa

Use as a negative control standard for all your coliform analyses: E. coli, Total Coliform, and Fecal Coliform. Certified by IDEXX Quanti-Tray®. The actual lot activity and traceability information is supplied on the product insert. P. aeruginosa samples formulated at 1000-2000 CFU per pellet.

10662-5	**5 Sample Kit**	**$85.00**
10662-20	**20 Sample Kit**	**$235.00**
10662-5X*	**5 Samples**	**$75.00**
10662-20X*	**20 Samples**	**$195.00**

**No hydration buffer.*

Certified Standards for K. pneumoniae

Use as a positive control for Total Coliform analyses and a negative control for E. coli and Fecal Coliform analyses. Certified by IDEXX Quanti-Tray®. The actual lot activity and traceability information is supplied on the product insert. K. pneumoniae samples formulated at 1000-2000 CFU per pellet.

8167-5	**5 Sample Kit**	**$85.00**
8167-20	**20 Sample Kit**	**$235.00**
8167-5X*	**5 Samples**	**$75.00**
8167-20X*	**20 Samples**	**$195.00**

**No hydration buffer.*

Certified Standards for E. aerogenes

Use as a positive control for all of your Total Coliform analyses and negative control for all your Fecal Coliform and E. coli analyses. Certified by IDEXX Quanti-Tray® and multiple plate count methods. The actual lot activity and traceability information is supplied on the product insert. E. aerogenes samples formulated at 1000-2000 CFU per pellet.

10006-5	**5 Sample Kit**	**$85.00**
10006-20	**20 Sample Kit**	**$235.00**
10006-5X*	**5 Samples**	**$75.00**
10006-20X*	**20 Samples**	**$195.00**

**No hydration buffer.*

Certified Standards for Enterococcus in Three Ranges

Pure cultures of Enterococcus work with all approved methods including IDEXX Enterolert®. The actual lot activity and traceability information is supplied on the product insert.

Low: 30-100 MPN/100 mL

775L-5	**5 Sample Kit**	**$85.00**
775L-20	**20 Sample Kit**	**$235.00**
775L-5X*	**5 Samples**	**$75.00**
775L-20X*	**20 Samples**	**$195.00**

**No hydration buffer.*

Medium: 100-200 MPN/100 mL

775M-5	**5 Sample Kit**	**$85.00**
775M-20	**20 Sample Kit**	**$235.00**
775M-5X*	**5 Samples**	**$75.00**
775M-20X*	**20 Samples**	**$195.00**

**No hydration buffer.*

High: 1000-1500 MPN/100 mL

775H-5	**5 Sample Kit**	**$85.00**
775H-20	**20 Sample Kit**	**$235.00**
775H-5X*	**5 Samples**	**$75.00**
775H-20X*	**20 Samples**	**$195.00**

**No hydration buffer.*

Certified Negative Control Standard for Enterococcus

S. bovis samples formulated at 100-200 MPN per pellet.

8177-5	**5 Sample Kit**	**$85.00**
8177-20	**20 Sample Kit**	**$235.00**
8177-5X*	**5 Samples**	**$75.00**
8177-20X*	**20 Samples**	**$195.00**

**No hydration buffer.*

Certified Standards for HPC

Use as a positive quantitative control for HPC analysis. Applicable to IDEXX SimPlate® by SM 9215E, pour plate (SM 9215B), and spread plate (SM 9215C) methods. The actual lot activity and traceability information is supplied on the product insert. HPC samples formulated at 5-500 CFU per pellet.

HPCQC-5	**5 Sample Kit**	**$85.00**
HPCQC-20	**20 Sample Kit**	**$235.00**
HPCQC-5X*	**5 Samples**	**$75.00**
HPCQC-20X*	**20 Samples**	**$195.00**

**No hydration buffer.*

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

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Solids Standards and Certified Reference Materials (CRM)

QC all of your solids analyses with our ready-to-use, NIST traceable solids standards. Stable and remarkably easy to use, simply shake well and pour an appropriate aliquot. No pipetting, no dilutions minimize error. Packaged primarily in economical 4 x 1 Liter cases yielding up to nearly 250 QC analyses for the high level concentrations. Certificate includes true values, acceptance limits, and NIST traceability information.

Low-Level Solids Standard

Ready-to-Use Bottles

TDS	90 mg/L
TS	120 mg/L
TSS	30 mg/L

QCI-057 **4 x 1 L** **$110.00**

Mid-Level Solids CRM

An ISO 34 Certified Reference Material.

TDS	1000 mg/L
TS	1100 mg/L
TSS	100 mg/L

QCI-055 **4 x 1 L** **$130.00**

High-Level Solids Standard

Ready-to-Use Bottles

TDS	1000-3000 mg/L
TS	1400-3500 mg/L
TSS	400-500 mg/L

QCI-055H **4 x 1 L** **$130.00**

New!

Mid-Level Solids Concentrate

Supplied as a homogeneous powder for suspension in 1 gram to 1000 mL. Makes 8 Liters of standard.

TDS	900 mg/L
TS	1000 mg/L
TSS	100 mg/L

QCI-055X **4 x 2.2 g** **$130.00**

Low-Level TDS Standard

Ready-to-Use Bottles
Specific concentration listed on COA.

TDS	100-500 mg/L

QCI-056L **4 x 1 L** **$100.00**

Mid-Level TDS Standard

Ready-to-Use Bottles
Specific concentration listed on COA.

TDS	500-1500 mg/L

QCI-056M **4 x 1 L** **$100.00**

High-Level TDS Standard

Ready-to-Use Bottles
Specific concentration listed on COA.

TDS	1500-3000 mg/L

QCI-056H **4 x 1 L** **$100.00**

Settleable Solids

A 10 vial set for analysis of Settleable Solids. Each vial yields one QA analysis. Available at 3 levels:

QCI-186-5	**5 mL/L**	**$65.00**
QCI-186-10	**10 mL/L**	**$65.00**
QCI-186-20	**20 mL/L**	**$65.00**

NEW FROM NSI

Multi-Analyte Solids Standard

A whole volume multi-analyte standard for quality control analysis for 4 solids analyses. Each 100 mL aliquot contains:

Total Solids	350 mg
Total Dissolved Solids	250 mg
Total Suspended Solids	100 mg
Volatile Suspended Solids	31 mg
Fixed Suspended Solids	70 mg

QCI-171 **4 x 1 L** **$150.00**

Residual Chlorine — Snips™

The easiest way to QC your routine chlorine analysis. Our certified residual chlorine standard concentrates are packaged in Teflon® tubes and deliver the exact volume required without pipetting. To use, fill a flask or cuvette to about half the target final volume. Cut open the Teflon® tube with a sharp pair of scissors. Pour the contents into the cuvette or flask. No rinsing or pipetting is required. Bring to volume with reagent water. Applicable to colormetric or amperometric methods.

Ultra Low Chlorine Accuracy Check Standard – 0.100 mg/L

A pack of 25 Teflon tubes for use in verifying the accuracy of your ultra low residual chlorine analysis. Diluting contents of one tube to 50 mL yields a 0.100 mg/L sample. No pipets required, just snip and pour.

QCI-118 **25 Tubes** **$50.00**

Total Chlorine Accuracy Check Standard 1.00 mg/L

A pack of 25 Teflon tubes for use in verifying the accuracy of your residual chlorine analysis. Diluting contents of one tube to 25 mL yields a 1.00 mg/L sample. No pipets required, just snip and pour.

QCI-123 **25 Tubes** **$50.00**

Total Chlorine Accuracy Check Standard 2.50 mg/L

A pack of 25 Teflon tubes for use in verifying the accuracy of your residual chlorine analysis. Diluting contents of one tube to 25 mL yields a 2.50 mg/L sample. No pipets required, just snip and pour.

QCI-117 **25 Tubes** **$50.00**

Chlorine Check Standard – Amperometric Titration – 0.100 mg/L

A pack of 25 Teflon tubes for quantitative dilution to 200 mL. Yields a 0.100 mg/L check standard after dilution. No pipets required, just snip and pour.

QCI-148 **25 Tubes** **$50.00**

Chlorine Check Standard – Amperometric Titration – 1.00 mg/L

A pack of 25 Teflon tubes for quantitative dilution to 200 mL. Yields a 1.00 mg/L check standard after dilution. No pipets required, just snip and pour.

QCI-149 **25 Tubes** **$50.00**

Chlorine Check Standard – Amperometric Titration – 2.00 mg/L

A pack of 25 Teflon tubes for quantitative dilution to 200 mL. Yields a 2.00 mg/L check standard after dilution. No pipets required, just snip and pour.

QCI-150 **25 Tubes** **$50.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008 NSI Solutions

Total Residual Chlorine — Certified Reference Materials (CRM)

Certified residual chlorine concentrate ampules are an easy alternative to preparation of residual chlorine CRMs. Applicable to colorimetric or amperometric analytical methods. Dilution of each concentrate in a ratio of 1:1000 will yield the specified concentration in units of mg/L. Lot to lot concentrations stay the same making these very easy to use.

Total Residual Chlorine Concentrate CRM 0.050 mg/L

Each box contains 24 ampules of total residual chlorine concentrate. Dilute 1.0 mL of concentrate to 1000 mL of chlorine-free reagent water to yield 0.050 mg/L standard. An ISO 34 Certified Reference Material.

QCI-182 **24 ampules** **$50.00**

Total Residual Chlorine Concentrate CRM 1.00 mg/L

Each box contains 24 ampules of total residual chlorine concentrate. Dilute 1.0 mL of concentrate to 1000 mL of chlorine-free reagent water to yield 1.00 mg/L standard. An ISO 34 Certified Reference Material.

QCI-187 **24 Ampules** **$50.00**

Total Residual Chlorine Concentrate CRM 0.100 mg/L

Each box contains 24 ampules of total residual chlorine concentrate. Dilute 1.0 mL of concentrate to 1000 mL of chlorine-free reagent water to yield 0.100 mg/L standard. An ISO 34 Certified Reference Material.

QCI-183 **24 Ampules** **$50.00**

Total Residual Chlorine Concentrate CRM 1.50 mg/L

Each box contains 24 ampules of total residual chlorine concentrate. Dilute 1.0 mL of concentrate to 1000 mL of chlorine-free reagent water to yield 1.50 mg/L standard. An ISO 34 Certified Reference Material.

QCI-188 **24 Ampules** **$50.00**

Total Residual Chlorine Concentrate CRM 0.500 mg/L

Each box contains 24 ampules of total residual chlorine concentrate. Dilute 1.0 mL of concentrate to 1000 mL of chlorine-free reagent water to yield 0.500 mg/L standard. An ISO 34 Certified Reference Material.

QCI-184 **24 Ampules** **$50.00**

Total Residual Chlorine Concentrate CRM 2.00 mg/L

Each box contains 24 ampules of total residual chlorine concentrate. Dilute 1.0 mL of concentrate to 1000 mL of chlorine-free reagent water to yield 2.00 mg/L standard. An ISO 34 Certified Reference Material.

QCI-189 **24 Ampules** **$50.00**

Tech Note: Once the working chlorine standard is prepared, it must be used within 30 minutes. The chlorine source material is volatile and the standard will lose concentration over a short time frame.

NEW FROM NSI

Sample Dechlorination Check Solution Concentrate

Designed for use to meet requirements of SM 9060-A, paragraph 2. Dilute 1 mL of concentrate to 1000 mL to prepare residual chlorine solution at concentrations required by Standard Methods and NELAC. For Drinking Water samples, order 5 mg/mL concentrate. For Wastewater samples, order 15 mg/mL concentrate.

QC-012-5 (5 mg/mL)
24 x 1 mL **$50.00**

QC-012-15 (15 mg/mL)
24 x 1 mL **$50.00**

BOD Standards

GGA Concentrate Snips™ – CRM

A box of 25 single-use, Teflon® snips, each containing 6 mL of Glucose: Glutamic acid solution (300 mg/L total). Just snip open the tube and pour contents directly into a 300 mL BOD bottle. Yields a 2% solution of GGA as per SM 5210B. No pipetting means no errors and since we've sterilized the solution in the tube, it is stable indefinitely at room temperature until opened. **See our demonstration video at www.nsi-es.com. An ISO 34 Certified Reference Material.**

QCI-081SNIP 25 Pack $55.60

Demand QC Concentrate – CRM

A 21 mL concentrate for analysis of demand parameters. Dilute 10 mL to 1000 mL.

An ISO 34 Certified Reference Material.

BOD	15-250 mg/L
CBOD	15-250 mg/L
COD	30-250 mg/L
TOC	6-100 mg/L

Each ampule yields 2 liters of standard.

QCI-026 21 mL $35.00

Demand QC

Ready-To-Use Bottles

The perfect QC Standard for all of your oxygen demand analyses. Formulated with 50/50 GGA and supplied as a sterile solution, this standard responds to your procedures just like your GGA check solution and typical NPW/DMRQA PT samples. Easily customized too!

BOD	15-250 mg/L
CBOD	15-250 mg/L
COD	30-250 mg/L
TOC	6-100 mg/L

QCI-062 1 L $45.00
QCI-062C 4 x 1 L $145.00

NEW FROM NSI

BOD Dilution Water Reagent Set

Each ready-to-use, aqueous solutions set contains:

1 Liter pH 7.2 Phosphate Buffer/Ammonium Chloride
1 Liter Magnesium Sulfate Heptahydrate (22.5 g/L)
1 Liter Calcium Chloride (27.5 g/L)
1 Liter Ferric Chloride Hexahydrate (0.25 g/L)

QCI-185 $100.00

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

Universal Wastewater Standard

Ready-to-Use Bottles

Provided as a sterile solution which can be stored at room temperature prior to opening. Once opened, store tightly capped at 4°C. Demand parameters are derived from 1:1 Glucose: Glutamic Acid at 150 mg/L each. Designed to reduce the number of standards you need to manage in your lab, our Universal Wastewater Standard is certified for 12 conventional pollutants. Stable and remarkably easy to use, simply shake and pour an aliquot. Works with all listed EPA approved methods.

BOD_5	198 mg/L
CBOD	163 mg/L
COD	309 mg/L
Conductivity	650 umhos
$N\text{-}NH_3$	7.50 mg/L
$N\text{-}NO_3$	3.00 mg/L
pH	6.6 units
$P\text{-}PO_4$	2.50 mg/L
TDS	600 mg/L
TOC	121 mg/L
Total Solids	800 mg/L
TSS	100 mg/L

QCI-084 **4 x 1 L** **$175.00**

**Published values are targets. True values may vary nominally lot to lot and will be listed on the COA.*

NEW FROM NSI

Universal Wastewater Standard Plus

Ready-to-Use Bottles

A convenient update to our Universal Wastewater Standard. Contains Total Phosphorus and TKN for a total of 14 certified conventional pollutants. Simply shake and pour an aliquot.

BOD_5	198 mg/L
CBOD	163 mg/L
COD	392 mg/L
Conductivity	670 umhos
$N\text{-}NH_3$	7.50 mg/L
$N\text{-}NO_3$	3.00 mg/L
pH	6.6 units
$P\text{-}PO_4$	3.10 mg/L
TDS	650 mg/L
TOC	155 mg/L
Total Solids	890 mg/L
TSS	100 mg/L
TKN	29.0 mg/L
Total P	7.50 mg/L

QCI-084PLUS **4 x 1 L** **$195.00**

**Published values are targets. True values may vary nominally lot to lot and will be listed on the COA.*

pH – Certified Reference Materials (CRM)

pH QC Check CRMs

Ready-To-Use Bottles

Available at pH 4, 5, 6, 7, 8, 9, 10. Store at room temperature, just cap tightly after use. At 500 mL per bottle and a 4 bottle case, you'll save more than 50% over competing products. **NIST Traceable, ISO 34 Certified Reference Materials.**

pH 4	QCI-112-4	500 mL	$35.00
pH 4	QCI-112-4C	4 x 500 mL	$105.00
pH 5	QCI-112-5	500 mL	$35.00
pH 5	QCI-112-5C	4 x 500 mL	$105.00
pH 6	QCI-112-6	500 mL	$35.00
pH 6	QCI-112-6C	4 x 500 mL	$105.00
pH 7	QCI-112-7	500 mL	$35.00
pH 7	QCI-112-7C	4 x 500 mL	$105.00
pH 8	QCI-112-8	500 mL	$35.00
pH 8	QCI-112-8C	4 x 500 mL	$105.00
pH 9	QCI-112-9	500 mL	$35.00
pH 9	QCI-112-9C	4 x 500 mL	$105.00
pH 10	QCI-112-10	500 mL	$35.00
pH 10	QCI-112-10C	4 x 500 mL	$105.00

Wastewater pH QC CRM

Derived from NELAC PT studies and formulated between 5-10 units. Supplied with a Certificate of Analysis listing true value, acceptance limits, and round robin summary data. **An ISO 34 Certified Reference Material.**

QCI-035 **250 mL** **$35.00**

Drinking Water pH QC CRM

Derived from NELAC PT studies and formulated between 5-10 units. Supplied with a Certificate of Analysis listing true value, acceptance limits, and round robin summary data. **An ISO 34 Certified Reference Material.**

QCI-083 **250 mL** **$35.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

Oil and Grease Surrogate Snips™

Our new Method 1664A PAR surrogates are packaged in exact volumes in easy-to-use inert Teflon® thermosealed tubes. To use, simply snip off the top of the tube and pour the contents into your extraction vessel. No pipets means no measurement errors.

Oil and Grease Method 1664 – Recovery Standard (0.2%) Snip™

Manufactured specifically for Method 1664 Oil and Grease, this solution contains 0.2% (w/v) n-Hexadecane and 0.2% (w/v) Stearic acid in Acetone. This standard delivers 40 mg total Oil and Grease per tube. Certificate of Analysis accompanies the product.

QC-003LSNIP	**20 x 10 mL Tubes**	**$84.00**

Oil and Grease Method 1664 – Recovery Standard (0.4%) Snip™

Manufactured specifically for Method 1664 Oil and Grease, this solution contains 0.4% (w/v) n-Hexadecane and 0.4% (w/v) Stearic acid in Acetone. This standard delivers 80 mg total Oil and Grease per tube. Certificate of Analysis accompanies the product.

QC-003SNIP	**20 x 10 mL Tubes**	**$84.00**

Oil and Grease

Ready-To-Use Bottles

At least 10 lots available per year. An exceptional value at less than half the cost per bottle of competitors. Easily customized too! Must analyze the entire bottle.

Works with Freon or Hexane Extraction

Oil and Grease 20-100 mg/L

QCI-069	**1 Liter**	**$45.00**
QCI-069C	**4 x 1 Liter**	**$120.00**

Oil and Grease in Soil

Supplied as a 4 x 50 g sample for determination of n-Hexane extractable material at 300-3000 mg/kg.

True value and acceptance limits are supplied on the COA.

SQCI-037P	**4 x 50 g**	**$250.00**

NEW FROM NSI

TPH in Water

A 1 Liter whole volume sample, ready to analyze for Total Petroleum Hydrocarbons as received. Applicable to Methods 418.1, 1664, and 5520.

TPH	20-170 mg/L

QCI-162	**1 Liter**	**$48.00**
QCI-162C	**4 x 1 Liter**	**$125.00**

NEW FROM NSI

TPH in Water with Fatty Acids

A 1 Liter whole volume sample, ready to analyze as received. Contains Total Petroleum Hydrocarbons in the presence of interfering fatty acids. Applicable to Methods 418.1, 1664, and 5520.

QCI-163	**1 Liter**	**$52.00**
QCI-163C	**4 x 1 Liter**	**$132.00**

Wastewater Minerals and Nutrients Standards – Certified Reference Materials (CRM) and QC Standards

Wastewater Minerals QC CRM

Ready-To-Use Bottles

The classic Wastewater Minerals QC Standard, available as a case or per bottle. With at least 10 lots produced each year, a concentration level meeting your needs is certainly available. **An ISO 34 Certified Reference Material.**

Alkalinity	10-120 mg/L
Conductivity	200-930 umhos
Fluoride	0.3-4 mg/L
Chloride	35-275 mg/L
Potassium	4-40 mg/L
Sodium	6-100 mg/L
Sulfate	5-125 mg/L
TDS	140-650 mg/L

QCI-136	**500 mL**	**$60.00**
QCI-136C	**4 x 500 mL**	**$192.00**

Wastewater Hardness QC CRM

Ready-To-Use Bottles.

Each lot formulated in the ranges listed below.

An ISO 34 Certified Reference Material.

Calcium	3.5-110 mg/L
Magnesium	2-40 mg/L
Total Hardness	17-440 mg/L
Calcium Hardness	8.7-275 mg/L

QCI-137	**250 mL**	**$45.00**

Wastewater Complex Nutrients QC CRM

Ready-To-Use Bottles

Applicable to EPA methods. Formulated from Glycine and Sodium Beta Glycerophosphate. Produced with very high purity source materials. At least 10 lost available per year making it easy to receive concentrations meeting your needs. Easily customized too!

An ISO 34 Certified Reference Material.

TKN	1.50-35 mg/L
Total Phosphorus	0.50-10 mg/L

QCI-064	**500 mL**	**$35.00**
QCI-064C	**4 x 500 mL**	**$112.00**

High Level Wastewater Inorganics QC Standard

Ready-To-Use Bottles.

Each analyte formulated at listed concentrations.

COD	500 mg/L
NH_3	20 mg/L
NO_3	10 mg/L
PO_4	10 mg/L
SO_4	250 mg/L
TOC	161 mg/L

QCI-071	**500 mL**	**$51.00**
QCI-071C	**4 x 500 mL**	**$153.00**

Low Level Wastewater Inorganics QC Standard

Ready-To-Use Bottles.

Each analyte formulated at listed concentrations.

COD	25 mg/L
NH_3	1.0 mg/L
NO_3	2.0 mg/L
PO_4	1.0 mg/L
SO_4	25 mg/L
TOC	8.0 mg/L

QCI-072	**500 mL**	**$51.00**
QCI-072C	**4 x 500 mL**	**$153.00**

Wastewater Simple Nutrients QC CRM

Ready-To-Use Bottles

Simple to use and applicable to any EPA method, nothing is easier. Just pour and analyze. Produced with very high purity source materials. At least 10 lots are available each year making it easy to receive the concentrations meeting your needs. Easily customized too!

An ISO 34 Certified Reference Material.

$N\text{-}NH_3$	0.65-19 mg/L
$N\text{-}NO_3$	0.25-40 mg/L
$P\text{-}PO_4$	0.50-5.5 mg/L

QCI-063	**500 mL**	**$35.00**
QCI-063C	**4 x 500 mL**	**$112.00**

ACLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

Drinking Water Minerals and Nutrients Standards—Certified Reference Materials (CRM)

Drinking Water Inorganics QC CRM

Ready-To-Use Bottles

A nine analyte drinking water QC standard. At least four lots available each year. **A NIST Traceable, ISO 34 Certified Reference Material.**

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

QCI-041	**500 mL**	**$67.00**
QCI-041C	**4 x 500 mL**	**$214.00**

Drinking Water Nitrite-N QC CRM

A 21 mL concentrate formulated in the range of 0.4-2 mg/L. Each ampule produces 2 Liters of sample. **A NIST Traceable, ISO 34 Certified Reference Material.**

QCI-140	**$40.00**

Drinking Water Hardness QC CRM

Ready-To-Use Bottles

A five analyte drinking water hardness QC standard. At least four lots available each year. **A NIST Traceable, ISO 34 Certified Reference Material.**

Calcium	30-90 mg/L
Magnesium	2-20 mg/L
Sodium	12-50 mg/L
Calcium Hardness	75-225 mg/L
Total Hardness	83-307 mg/L

QCI-145	**250 mL**	**$55.00**
QCI-145C	**4 x 250 mL**	**$176.00**

Drinking Water Orthophosphate CRM

A 21 mL concentrate formulated in the range of 0.5-5.5 mg/L. Each ampule produces 2 Liters of sample. **A NIST Traceable, ISO 34 Certified Reference Material.**

QCI-141	**$40.00**

Drinking Water Fluoride QC CRM

Formulated in the range of 0.5-1.5 mg/L. Applicable to all EPA approved methods. **A NIST Traceable, ISO 34 Certified Reference Material.**

QCI-170	**250 mL**	**$40.00**

Did You Know?

NSI Solutions is an accredited PT provider. Visit www.nsi-es.com to see our studies and schedules.

Turbidity QC Check Standards

Traceable to formazin and ready to use as received. Our Turbidity Check Standard Solutions are ideal second source check standards. Available off the shelf at 5 levels in 500 mL bottles. Custom specifications are available. Inquire by email at nsi@nsi-es.com.

Turbidity QC Check Solutions

	500 mL		4 x 500 mL	
100 NTU	QCI-152	$55.00	QCI-152C	$176.00
50 NTU	QCI-153	$55.00	QCI-153C	$176.00
25 NTU	QCI-154	$55.00	QCI-154C	$176.00
10 NTU	QCI-155	$55.00	QCI-155C	$176.00
5 NTU	QCI-156	$55.00	QCI-156C	$176.00

Wastewater Turbidity QC Standard

Derived from NELAC PT studies with an assigned value between 2-30 NTU after dilution. Each vial yields a total of 2 Liters. Supplied with a Certificate of Analysis listing an assigned value, acceptance limits, and round robin data summary.

QCI-092 **21 mL** **$45.00**

Drinking Water Turbidity QC Standard

Derived from NELAC PT studies with an assigned value between 0.5-8 NTU after dilution. Each vial yields a total of 2 Liters. Supplied with a Certificate of Analysis listing an assigned value, acceptance limits, and round robin data summary.

QCI-014 **21 mL** **$46.00**

NEW FROM NSI

Stable Sulfide Standard

An exclusive NSI product, Sulfide from Sodium Sulfide stabilized at 10 mg/mL or 1 mg/mL in a proprietary buffer. Unopened ampules are stable for more than 12 months after receipt. Store at 2-10°C.

1 mg/mL		
QCI-147LS	**1.5 mL**	**$35.00**
QCI-147L	**6 x 1.5 mL**	**$180.00**

10 mg/mL		
QCI-147S	**1.5 mL**	**$35.00**
QCI-147	**6 x 1.5 mL**	**$180.00**

ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

LAS (MBAs, Anionic Surfactant)

1000 mg/L, flame-sealed, amber ampule

QCI-054	**10 mL**	**$50.00**

Cationic Surfactant

1000 mg/L, flame-sealed, amber ampule

QCI-181	**10 mL**	**$50.00**

Nonionic Surfactant

1000 mg/L, flame-sealed, amber ampule

QCI-180	**10 mL**	**$50.00**

Wet Chemistry Standards—Certified Reference Materials (CRM) and Reference Materials

Each reference material or CRM is formulated at 1000 mg/L using the highest purity source materials and 18 megohm water. Each lot of material is analytically verified for accuracy and homogeneity. All reference materials are NIST Traceable and, where noted, ISO 34 Certified Reference Materials.

Product	125 mL Catalog#/Price	500 mL Catalog #/Price
Alkalinity - CRM	IS-012/$25.00	IS-012-500/$40.00
N-NH_3 - CRM	IS-002/$25.00	IS-002-500/$40.00
NH_3 - CRM	IS-003/$25.00	IS-003-500/$40.00
Boron - CRM	IS-023/$25.00	IS-023-500/$40.00
Bromate - CRM	IS-030/$25.00	IS-030-500/$40.00
Bromide - CRM	IS-019/$25.00	IS-019-500/$40.00
Chlorate - CRM	IS-032/$25.00	IS-032-500/$40.00
Perchlorate - CRM	IS-027/$25.00	IS-027-500/$40.00
Chloride - CRM	IS-013/$25.00	IS-013-500/$40.00
Chlorite - CRM	IS-031/$25.00	IS-031-500/$40.00
COD - CRM	IS-001/$25.00	IS-001-500/$40.00
Cr VI	IS-025/$25.00	IS-025-500/$40.00
Cyanide (complex)	IS-024/$25.00	IS-024-500/$40.00
Free Cyanide	IS-029/$25.00	IS-029-500/$40.00
Fluoride - CRM	IS-016/$25.00	IS-016-500/$40.00
Total Hardness - CRM	IS-017/$25.00	IS-017-500/$40.00
NO_3 - CRM	IS-005/$25.00	IS-005-500/$40.00
N-NO_3 - CRM	IS-011/$25.00	IS-011-500/$40.00
NO_2 - CRM	IS-004/$25.00	IS-004-500/$40.00
N-NO_2 - CRM	IS-010/$25.00	IS-010-500/$40.00
Phenols	IS-035/$25.00	IS-035-500/$40.00
Total Phosphorus - CRM	IS-006/$25.00	IS-006-500/$40.00
PO_4 - CRM	IS-007/$25.00	IS-007-500/$40.00
P-PO_4 - CRM	IS-008/$25.00	IS-008-500/$40.00
Silica	IS-021/$25.00	IS-021-500/$40.00
SO_4 - CRM	IS-015/$25.00	IS-015-500/$40.00
TKN - CRM	IS-009/$25.00	IS-009-500/$40.00
TOC - CRM	IS-026/$25.00	IS-026-500/$40.00
TOX*	IS-022/$25.00	

**Supplied in ampules only.*

Ion Chromatography Certified Reference Materials (CRM)

Each of our ion chromatography CRMs or reference materials are traceable to NIST through direct analysis against SRMs and balance calibrations with NIST masses. Accurate, reproducible, pure, and stable. Manufactured using only the purest source materials and 18 megohm water. Except where noted, all of our IC standards fall under our ISO 34 scope and are ISO 34 Certified Reference Materials.

Single Analyte CRMs

Supplied at 1000 mg/L each. Each CRM is prepared from the highest purity salts and evaluated for purity, homogeneity, and accuracy by ion chromatography. **ISO 34 Certified Reference Materials except as noted.**

1000 mg/L	Catalog Number	Price
Ammonium	IC-001	$35.00
Barium	IC-003	$35.00
Bromate	IC-004	$35.00
Bromide	IC-007	$35.00
Calcium	IC-008	$35.00
Chromate*	IC-009	$35.00
Chlorate	IC-010	$35.00
Chloride	IC-013	$35.00
Chlorite	IC-016	$35.00
Cyanide	IC-019	$35.00
Fluoride	IC-022	$35.00
Lithium	IC-023	$35.00
Magnesium	IC-024	$35.00
Nitrate	IC-025	$35.00
Nitrate-Nitrogen	IC-028	$35.00
Nitrite	IC-031	$35.00
Nitrite-Nitrogen	IC-034	$35.00
Perchlorate	IC-037	$35.00
Phosphate	IC-040	$35.00
Phosphate-Phosphorus	IC-043	$35.00
Potassium	IC-042	$35.00
Sodium	IC-046	$35.00
Sulfate	IC-049	$35.00
Thiocyanate*	IC-050	$35.00
Iodide*	IC-051	$35.00

**Not included in our ISO 34 scope.*

7 Anion CRM 1

A 7 component anion ISO 34 CRM at specified concentrations. Store at 2-10°C.

Fluoride	20 mg/L
Nitrate	100 mg/L
Chloride	30 mg/L
Phosphate	150 mg/L
Nitrite	100 mg/L
Sulfate	150 mg/L
Bromide	100 mg/L

IC-7-1 **125 mL** **$126.00**

7 Anion CRM 2

A 7 component anion ISO 34 CRM at specified concentrations. Store at 2-10°C.

Fluoride	20 mg/L
Nitrate	100 mg/L
Chloride	100 mg/L
Phosphate	200 mg/L
Nitrite	100 mg/L
Sulfate	100 mg/L
Bromide	100 mg/L

IC-7-2 **125 mL** **$126.00**

5 Anion CRM

A 5 component anion ISO 34 CRM at specified concentrations. Store at 2-10°C.

Fluoride	20 mg/L
Phosphate	150 mg/L
Chloride	30 mg/L
Sulfate	150 mg/L
Nitrate	100 mg/L

IC-5-1 **125 mL** **$115.00**

6 Cation CRM

A 6 component anion ISO 34 CRM at specified concentrations. Store at 2-10°C.

Ammonium	400 mg/L
Potassium	200 mg/L
Calcium	1000 mg/L
Sodium	200 mg/L
Lithium	50 mg/L
Magnesium	200 mg/L

IC-6-1 **125 mL** **$126.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

Eluent Concentrates—Improve Productivity with Single-Use Teflon® Snips™

All of our eluent concentrates are prepared from 18 megohm water and ultra-pure chemicals. Each is prepared as a 100x concentrate packaged in exact 10 mL aliquots. Each Teflon® Snip™ yields 1000 mL of eluent. To prepare an eluent solution, quantitatively transfer contents of a vial to 1000 mL flask and bring to volume with reagent water. No measuring or pipetting or potential for contamination. Custom eluents are available.

Eluent Solution Concentrate (100x)	Concentration	25 Pack Catalog Number/Price	50 Pack Catalog Number/Price
Carbonate/bicarbonate	0.18M/0.17M	EL-001-25/$50.00	EL-001-50/$100.00
Carbonate/bicarbonate	0.22M/0.28M	EL-002-25/$50.00	EL-002-50/$100.00
Carbonate/bicarbonate	0.30M/0.24M	EL-003-25/$50.00	EL-003-50/$100.00
Carbonate/bicarbonate	0.35M/0.10M	EL-004-25/$50.00	EL-004-50/$100.00
Carbonate/bicarbonate	0.45M/0.08M	EL-005-25/$50.00	EL-005-50/$100.00
Carbonate/bicarbonate	0.45M/0.14M	EL-006-25/$50.00	EL-006-50/$100.00
Carbonate/bicarbonate	0.80M/0.10M	EL-007-25/$50.00	EL-007-50/$100.00
Carbonate	0.50M	EL-008-25/$50.00	EL-008-50/$100.00
Bicarbonate	0.50M	EL-009-25/$50.00	EL-009-50/$100.00

Custom IC standards are available to meet your exact analyte, concentration, and volume requirements. Custom blends can be provided in as little as 48 hours after order receipt. **Call 1-800-234-7837 or email at nsi@nsi-es.com to inquire.**

Tech Note: Single-Use Eluent Snips™ eliminate the possibility of contaminating a larger stock of eluent concentrate through repeated pipetting. Each tube produces 1 Liter of working eluent.

Single Element ICP Certified Reference Materials (CRM)

Single Element CRMs

All of our elemental CRMs are traceable to NIST through both direct analysis against SRMs and balance calibration with NIST masses. Except where noted (*), all elements are included under our ISO 34 scope of accreditation. All CRMs ship with at least 12 months remaining on shelf life.

Product	1000 ug/mL 125 mL	500 mL	10000 ug/mL 125 mL	500 mL
Aluminum - HNO_3	TM-001L/$34.00	TM-001L-5/$75.00	TM-001H/$64.00	TM-001H-5/$140.00
Antimony - HNO_3/Tart Acid	TM-002L/$34.00	TM-002L-5/$75.00	TM-002H/$64.00	TM-002H-5/$140.00
Arsenic - HNO_3	TM-003L/$34.00	TM-003L-5/$75.00	TM-003H/$64.00	TM-003H-5/$140.00
Barium - HNO_3	TM-004L/$34.00	TM-004L-5/$75.00	TM-004H/$64.00	TM-004H-5/$140.00
Beryllium - HNO_3	TM-005L/$34.00	TM-005L-5/$75.00	TM-005H/$64.00	TM-005H-5/$140.00
Boron - Water	TM-028L/$34.00	TM-028L-5/$75.00	TM-028H/$64.00	TM-028H-5/$140.00
Cadmium - HNO_3	TM-006L/$34.00	TM-006L-5/$75.00	TM-006H/$64.00	TM-006H-5/$140.00
Calcium - HNO_3	TM-024L/$34.00	TM-024L-5/$75.00	TM-024H/$64.00	TM-024H-5/$140.00
Chromium - HNO_3	TM-007L/$34.00	TM-007L-5/$75.00	TM-007H/$64.00	TM-007H-5/$140.00
Cobalt - HNO_3	TM-008L/$34.00	TM-008L-5/$75.00	TM-008H/$64.00	TM-008H-5/$140.00
Copper - HNO_3	TM-009L/$34.00	TM-009L-5/$75.00	TM-009H/$64.00	TM-009H-5/$140.00
Iron - HNO_3	TM-010L/$34.00	TM-010L-5/$75.00	TM-010H/$64.00	TM-010H-5/$140.00
Lead - HNO_3	TM-011L/$34.00	TM-011L-5/$75.00	TM-011H/$64.00	TM-011H-5/$140.00
Lithium - HNO_3	TM-048L/$34.00	TM-048L-5/$75.00	TM-048H/$64.00	TM-048H-5/$140.00
Magnesium - HNO_3	TM-026L/$34.00	TM-026L-5/$75.00	TM-026H/$64.00	TM-026H-5/$140.00
Manganese - HNO_3	TM-012L/$34.00	TM-012L-5/$75.00	TM-012H/$64.00	TM-012H-5/$140.00
Mercury - HNO_3	TM-022L/$34.00	TM-022L-5/$75.00	TM-022H/$64.00	TM-022H-5/$140.00
Molybdenum Water/tr. - NH_4OH	TM-013L/$34.00	TM-013L-5/$75.00	TM-013H/$64.00	TM-013H-5/$140.00
Nickel - HNO_3	TM-014L/$34.00	TM-014L-5/$75.00	TM-014H/$64.00	TM-014H-5/$140.00
Potassium - HNO_3	TM-025L/$34.00	TM-025L-5/$75.00	TM-025H/$64.00	TM-025H-5/$140.00
Selenium - HNO_3	TM-015L/$34.00	TM-015L-5/$75.00	TM-015H/$64.00	TM-015H-5/$140.00
Silver - HNO_3	TM-023L/$34.00	TM-023L-5/$75.00	TM-023H/$64.00	TM-023H-5/$140.00
Sodium - Water	TM-027L/$34.00	TM-027L-5/$75.00	TM-027H/$64.00	TM-027H-5/$140.00
Strontium - HNO_3	TM-016L/$34.00	TM-016L-5/$75.00	TM-016H/$64.00	TM-016H-5/$140.00
Thallium - HNO_3	TM-017L/$34.00	TM-017L-5/$75.00	TM-017H/$64.00	TM-017H-5/$140.00
Tin - HNO_3	TM-018L/$34.00	TM-018L-5/$75.00	TM-018H/$64.00	TM-018H-5/$140.00
Titanium - HNO_3	TM-019L/$34.00	TM-019L-5/$75.00	TM-019H/$64.00	TM-019H-5/$140.00
Vanadium - HNO_3	TM-020L/$34.00	TM-020L-5/$75.00	TM-020H/$64.00	TM-020H-5/$140.00
Zinc - HNO	TM-021L/$34.00	TM-021L-5/$75.00	TM-021H/$64.00	TM-021H-5/$140.00
Sulfur - Water	TM-056L/$34.00	TM-056L-5/$75.00	TM-056H/$64.00	TM-056H-5/$140.00
Phosphorus - Water	TM-074L/$34.00	TM-074L-5/$75.00	TM-074H/$64.00	TM-074H-5/$140.00
Silicon - HNO_3	TM-054L/$34.00	TM-054L-5/$75.00	TM-054H/$64.00	TM-054H-5/$140.00
Yttrium - HNO_3*	TM-080L/$34.00	TM-080L-5/$75.00	TM-080H/$64.00	TM-080H-5/$140.00
Scandium - HNO_3*	TM-078L/$58.00	TM-078L-5/$150.00	NA	NA

**Not included on our ISO 34 scope.*

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

200.7 Calibration Blend Certified Reference Materials (CRM)

200.7 Calibration Blend 1 CRM

Antimony

500 ug/mL in dil HNO3/Tartaric Acid

CALBLEND-1 **125 mL** **$30.00**

200.7 Calibration Blend 2 CRM

Ag	50 ug/mL	Cd	200 ug/mL
As	1000 ug/mL	Cu	200 ug/mL
B	100 ug/mL	Mn	200 ug/mL
Ba	100 ug/mL	Se	500 ug/mL
Ca	1000 ug/mL	Sr	100 ug/mL

At specified concentrations in dil HNO_3

CALBLEND-2 **125 mL** **$130.00**

200.7 Calibration Blend 3 CRM

K	2000 ug/mL	Na	1000 ug/mL
Li	500 ug/mL	Ti	1000 ug/mL
Mo	1000 ug/mL		

At specified concentrations in dil HNO_3

CALBLEND-3 **125 mL** **$103.00**

200.7 Calibration Blend 4 CRM

Ce	200 ug/mL	P	1000 ug/mL
Co	200 ug/mL	V	200 ug/mL

At specified concentrations in dil HNO_3

CALBLEND-4 **125 mL** **$83.00**

200.7 Calibration Blend 5 CRM

Al	1000 ug/mL	Hg	200 ug/mL
Cr	500 ug/mL	Zn	500 ug/mL

At specified concentrations in dil HNO_3

CALBLEND-5 **125 mL** **$72.00**

200.7 Calibration Blend 6 CRM

SiO2	1000 ug/mL	Sn	400 ug/mL

At specified concentrations in dil HNO_3/HF

CALBLEND-6 **125 mL** **$35.00**

200.7 Calibration Blend 7 CRM

Be	100 ug/mL	Ni	200 ug/mL
Fe	1000 ug/mL	Pb	1000 ug/mL
Mg	1000 ug/mL	Tl	500 ug/mL

At specified concentrations in dil HNO_3

CALBLEND-7 **125 mL** **$105.00**

ICP Interference Check Standard A CRM

B	500 ug/mL	Si	230 ug/mL
Mo	300 ug/mL	Ti	1000 ug/mL

At specified concentrations in dil HNO_3/tr HF

IF-CK-A **125 mL** **$45.00**

ICP Interference Check Standard B CRM

Sb

At 1000 ug/mL in dil HNO_3/Tartaric Acid

IF-CK-B **125 mL** **$29.00**

ICP Interference Check Standard C CRM

Ag	300 ug/mL	K	20000 ug/mL
As	1000 ug/mL	Mn	200 ug/mL
Ba	300 ug/mL	Ni	300 ug/mL
Be	100 ug/mL	Pb	1000 ug/mL
Cd	300 ug/mL	Se	500 ug/mL
Co	300 ug/mL	Tl	1000 ug/mL
Cr	300 ug/mL	V	300 ug/mL
Cu	300 ug/mL	Zn	300 ug/mL

At specified concentrations in dil HNO_3

IF-CK-C **125 mL** **$114.00**

ICP Interference Check Standard D CRM

Al	3000 ug/mL	Mg	7500 ug/mL
Ca	15000 ug/mL	Na	2500 ug/mL
Fe	12500 ug/mL		

At specified concentrations in dil HNO_3

IF-CK-D **125 mL** **$143.00**

Multi-Element ICP QC Certified Reference Materials (CRM)

ICP QC Standard 1 CRM

Ag	25 ug/mL	K	500 ug/mL
Al	100 ug/mL	Li	100 ug/mL
As	200 ug/mL	Mg	100 ug/mL
B	100 ug/mL	Mn	100 ug/mL
Ba	100 ug/mL	Na	100 ug/mL
Be	100 ug/mL	Ni	100 ug/mL
Ca	100 ug/mL	P	500 ug/mL
Cd	100 ug/mL	Pb	200 ug/mL
Ce	100 ug/mL	Se	100 ug/mL
Co	100 ug/mL	Sr	100 ug/mL
Cr	100 ug/mL	Tl	500 ug/mL
Cu	100 ug/mL	V	100 ug/mL
Fe	100 ug/mL	Zn	100 ug/mL
Hg	200 ug/mL		

At specified concentrations in dil HNO_3

ICPQC-1 **125 mL** **$239.00**

ICP QC Standard 2 CRM

Mo	100 ug/mL	Sb	200 ug/mL
SiO2	500 ug/mL	Sn	500 ug/mL
Ti	100 ug/mL		

At specified concentrations in dil HNO_3/tr HF

ICPQC-2 **125 mL** **$75.00**

ICP QC Standard 19 CRM

As	100 ug/mL	Mo	100 ug/mL
Be	100 ug/mL	Ni	100 ug/mL
Ca	100 ug/mL	Pb	100 ug/mL
Cd	100 ug/mL	Sb	100 ug/mL
Co	100 ug/mL	Se	100 ug/mL
Cr	100 ug/mL	Ti	100 ug/mL
Cu	100 ug/mL	Tl	100 ug/mL
Fe	100 ug/mL	V	100 ug/mL
Mg	100 ug/mL	Zn	100 ug/mL
Mn	100 ug/mL		

At specified concentrations in dil HNO_3/tr HF

ICPQC-19 **125 mL** **$170.00**

ICP QC Standard 26 CRM

Ag	100 ug/mL	Mg	100 ug/mL
Al	100 ug/mL	Mn	100 ug/mL
As	100 ug/mL	Mo	100 ug/mL
B	100 ug/mL	Na	100 ug/mL
Ba	100 ug/mL	Ni	100 ug/mL
Be	100 ug/mL	Pb	100 ug/mL
Ca	100 ug/mL	Sb	100 ug/mL
Cd	100 ug/mL	Se	100 ug/mL
Co	100 ug/mL	Si	50 ug/mL
Cr	100 ug/mL	Ti	100 ug/mL
Cu	100 ug/mL	Tl	100 ug/mL
Fe	100 ug/mL	V	100 ug/mL
K	1000 ug/mL	Zn	100 ug/mL

At specified concentrations in dil HNO_3/tr HF

ICPQC-26 **125 mL** **$208.00**

ICP QC Standard 28 CRM

Ag	100 ug/mL	Mg	100 ug/mL
Al	100 ug/mL	Mn	100 ug/mL
As	100 ug/mL	Mo	100 ug/mL
B	100 ug/mL	Na	100 ug/mL
Ba	100 ug/mL	Ni	100 ug/mL
Be	100 ug/mL	Pb	100 ug/mL
Ca	100 ug/mL	Sb	100 ug/mL
Cd	100 ug/mL	Se	100 ug/mL
Co	100 ug/mL	Si	50 ug/mL
Cr	100 ug/mL	Sr	100 ug/mL
Cu	100 ug/mL	Ti	100 ug/mL
Fe	100 ug/mL	Tl	100 ug/mL
K	1000 ug/mL	V	100 ug/mL
Li	100 ug/mL	Zn	100 ug/mL

At specified concentrations in dil HNO_3/tr HF

ICPQC-28 **125 mL** **$221.00**

Method 200.7 - 7 Element QC CRM

Ag	100 ug/mL	K	1000 ug/mL
Al	100 ug/mL	Na	100 ug/mL
B	100 ug/mL	Si	50 ug/mL
Ba	100 ug/mL		

At specified concentrations in dil HNO_3/tr HF

ICPQC-7 **125 mL** **$80.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

www.nsi-es.com
800.234.7837 • 919.957.9672

Multi-Element ICP QC Certified Reference Materials (CRM)

Method 200.7 – 21 Element QC CRM

As	100 ug/mL	Mo	100 ug/mL
Be	100 ug/mL	Ni	100 ug/mL
Ca	100 ug/mL	Pb	100 ug/mL
Cd	100 ug/mL	Sb	100 ug/mL
Co	100 ug/mL	Se	100 ug/mL
Cr	100 ug/mL	Sr	100 ug/mL
Cu	100 ug/mL	Ti	100 ug/mL
Fe	100 ug/mL	Tl	100 ug/mL
Li	100 ug/mL	V	100 ug/mL
Mg	100 ug/mL	Zn	100 ug/mL
Mn	100 ug/mL		

At specified concentrations in dil HNO_3/tr HF

ICPQC-21 **125 mL** **$176.00**

Method 200.7 – 26 Element QC CRM

Ag	25 ug/mL	K	500 ug/mL
Al	100 ug/mL	Li	100 ug/mL
As	200 ug/mL	Mg	100 ug/mL
B	100 ug/mL	Mn	100 ug/mL
Ba	100 ug/mL	Na	100 ug/mL
Be	100 ug/mL	Ni	100 ug/mL
Ca	100 ug/mL	P	500 ug/mL
Cd	100 ug/mL	Pb	100 ug/mL
Ce	100 ug/mL	Se	100 ug/mL
Co	100 ug/mL	Sr	100 ug/mL
Cr	100 ug/mL	Tl	100 ug/mL
Cu	100 ug/mL	V	100 ug/mL
Fe	100 ug/mL	Zn	100 ug/mL

At specified concentrations in dil HNO_3

QC BLEND-26 **125 mL** **$225.00**

Soil LCS Standards

Single Element Metals in Soil

Prepared from high purity source materials, verified against NIST SRMs using microwave digestion and ICP, our new metals in soil reference materials are ideal for preparation of LCS standards in your lab. Supplied in 50 gram vials. Custom blends are available with a minimum batch size of 100 grams.

Catalog #	Element	Conc (mg/kg)	Price
SMI-001	Aluminum	5000	$75.00
SMI-002	Antimony	1000	$75.00
SMI-003	Arsenic	1000	$75.00
SMI-004	Barium	5000	$75.00
SMI-005	Beryllium	1000	$75.00
SMI-028	Boron	1000	$75.00
SMI-006	Cadmium	1000	$75.00
SMI-007	Chromium	1000	$75.00
SMI-008	Cobalt	1000	$75.00
SMI-009	Copper	1000	$75.00
SMI-010	Iron	5000	$75.00
SMI-011	Lead	1000	$75.00
SMI-012	Manganese	1000	$75.00
SMI-022	Mercury	100	$75.00
SMI-013	Molybdenum	1000	$75.00
SMI-014	Nickel	1000	$75.00
SMI-015	Selenium	1000	$75.00
SMI-023	Silver	1000	$75.00
SMI-017	Thallium	1000	$75.00
SMI-018	Tin	1000	$75.00
SMI-020	Vanadium	1000	$75.00
SMI-021	Zinc	5000	$75.00
SMI-Blank (100 g)	Blank Soil	-----	$75.00

21 Element Soil Standard

Al	500 mg/kg	Co	100 mg/kg	Pb	100 mg/kg
Ag	100 mg/kg	Cu	100 mg/kg	Sb	100 mg/kg
As	100 mg/kg	Fe	500 mg/kg	Se	100 mg/kg
B	100 mg/kg	Hg	10 mg/kg	Sn	100 mg/kg
Ba	500 mg/kg	Mn	500 mg/kg	Tl	100 mg/kg
Be	100 mg/kg	Mo	100 mg/kg	V	100 mg/kg
Cd	100 mg/kg	Ni	100 mg/kg	Zn	500 mg/kg

SMI-TMBLEND **50 grams** **$210.00**

PCBs in Soil LCS

Ready to use as received. Extract the entire mass of a single vial to fulfill periodic LCS requirements. Available in 30 gram and 10 gram sizes. Store at room temperature. Can be economically customized to other concentrations and/or PCBs.

PCB-1016	5 mg/kg
PCB-1260	5 mg/kg

SMO-PCB-30	**20 x 30 gram**	**$120.00**
SMO-PCB-10	**20 x 10 gram**	**$120.00**

Toxaphene in Soil LCS

Ready to use as received. Extract the entire mass of a single vial to fulfill periodic LCS requirements. Available in 30 gram and 10 gram sizes. Store at room temperature. Can be economically customized to meet other concentration requirements.

Toxaphene	500 ug/kg

SMO-TOX-30	**20 x 30 gram**	**$120.00**
SMO-TOX-10	**20 x 10 gram**	**$120.00**

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 UL REGISTERED FIRM ISO 9001:2008
NSI Solutions

New!

Semivolatiles in Soil LCS

Ready to use as received. Extract the entire mass of a single vial to fulfill periodic LCS requirements. Available in 30 gram and 10 gram sizes. Store in freezer. Contains all listed analytes at 2000 ug/kg. Economically customized to other concentrations to meet your specific needs.

1,2,4-Trichlorobenzene	4-Nitrophenol	Diethyl phthalate
1,2-Dichlorobenzene	a-Terpineol	Dimethyl phthalate
1,2-Dinitrobenzene	Acenaphthene	Fluoranthene
1,3-Dichlorobenzene	Acenaphthylene	Fluorene
1,3-Dinitrobenzene	Acetophenone	Hexachlorobenzene
1,4-Dichlorobenzene	Aniline	Hexachlorobutadiene
1,4-Dinitrobenzene	Anthracene	Hexachlorocyclopentadiene
1-Methylnaphthalene	Azobenzene	Hexachloroethane
2,3,4,6-Tetrachlorophenol	Benzo(a)anthracene	Indeno(1,2,3-c,d)pyrene
2,3,5,6-Tetrachlorophenol	Benzo(a)pyrene	Isophorone
2,3-Dichloroaniline	Benzo(b)fluoranthene	m-Nitroaniline
2,4,5-Trichlorophenol	Benzo(g,h,i)perylene	n-Decane
2,4,6-Trichlorophenol	Benzo(k)fluoranthene	N-Nitrosodi-n-propylamine
2,4-Dichlorophenol	Benzoic acid	N-Nitrosodimethylamine
2,4-Dimethylphenol	Benzyl alcohol	N-Nitrosodiphenylamine
2,4-Dinitrophenol	bis(2-Chloroethoxy)methane	n-Octadecane
2,4-Dinitrotoluene	bis(2-Chloroethyl)ether	Naphthalene
2,6-Dinitrotoluene	bis(2-Chloroisopropyl)ether	Nitrobenzene
2-Chloronaphthalene	bis(2-Ethylhexyl)adipate	o-Cresol
2-Chlorophenol	bis(2-Ethylhexyl)phthalate	o-Nitroaniline
2-Methylnaphthalene	Butyl benzyl phthalate	p-Cresol
2-Nitrophenol	Carbazole	p-Nitroaniline
4,6-Dinitro-2-methylphenol	Chrysene	Pentachlorophenol
4-Bromophenyl phenyl ether	Di-n-butyl phthalate	Phenanthrene
4-Chloro-3-methylphenol	Di-n-octyl phthalate	Phenol
4-Chloroaniline	Dibenz(a,h)anthracene	Pyrene
4-Chlorophenyl phenyl ether	Dibenzofuran	Pyridine

SMO-SV-30	**20 x 30 gram**	**$160.00**
SMO-SV-10	**20 x 10 gram**	**$160.00**

New!

Organochlorine Pesticides in Soil LCS

Ready to use as received. Extract the entire mass of a single vial to fulfill periodic LCS requirements. Available in 30 gram and 10 gram sizes. Store in freezer. Contains all listed analytes at 200 ug/kg.

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

SMO-OCPEST-30	**20 x 30 gram**	**$140.00**
SMO-OCPEST-10	**20 x 10 gram**	**$140.00**

New!

Chlordane in Soil LCS

Ready to use as received. Extract the entire mass of a single vial to fulfill periodic LCS requirements. Available in 30 gram and 10 gram sizes. Store at room temperature. Can be economically customized to meet other concentration requirements.

Total Chlordane		500 ug/kg
SMO-CHLOR-30	**20 x 30 gram**	**$120.00**
SMO-CHLOR-10	**20 x 10 gram**	**$120.00**

Custom Solutions

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

Using the same expert craftsmanship and attention to detail used in manufacturing our line of stock products, we will draw on our inventory of over 2000 chemicals to formulate a product just for you. To request a quote, call us at 1-800-234-7837 or fill out the form on page 103 and fax it to 919-957-7562.

ACCLASS ACCREDITED REFERENCE MATERIAL PRODUCER Certificate AR-1571
ACCLASS ACCREDITED TESTING Certificate AT-1690
10002343 QM08 ISO 9001:2008
NSI Solutions

Custom Solution Request Form

To: **Production Manager**
NSI Solutions, Inc.
7212 ACC Blvd.
Raleigh, NC 27617

Phone: 800-234-7837

Fax: (919) 957-7562

E-Mail: nsi@nsi-es.com

From: Name: _____

Company: _____

Address: _____

_____

_____

Phone: _____

Fax: _____

Page _____ of _____

Package Options:

Screw Cap Bottles:

Glass HPDE (Circle One)

- ☐ 10 mL
- ☐ 25 mL
- ☐ 100 mL
- ☐ 4 L
- ☐ 20 g
- ☐ 250 mL
- ☐ 500 mL
- ☐ 1000 mL
- ☐ 40 g

Ampules:

- ☐ 2 mL
- ☐ 5 mL
- ☐ 10 mL
- ☐ 20 mL

TEAR ALONG PERFORATION

No. of Analytes _____

Product Description _____

Concentration _____ **Required Number of Units** _____

Solvent/Matrix _____ **Requested Delivery Date** _____

	Analyte	CAS No. (optional)	Concentration (if varied)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

Concentration Units:

- ☐ **ng/mL**
- ☐ **ug/mL**
- ☐ **mg/mL**
- ☐ **mg/L**
- ☐ **wt. %**
- ☐ **vol. %**
- ☐ **ug/kg**
- ☐ **mg/kg**

Validation/Documentation Required:

Gravimetric (Level 1)

Analytical (Level 2)

Other

Photocopy this form for future requests.

(Please, one solution per request form.
Copy this form for multiple custom solutions.)

Quotations are valid for 60 days from quote date unless otherwise noted.

Unconditional Guarantee

If you are not satisfied with the performance of any NSI product, we will resolve the problem within 24 hours by immediately replacing in-stock products or refunding the full purchase price.

Conditions of Sale:
Net 30 days—FOB Raleigh, NC. Any taxes, duties, fees, or other charges imposed by any governmental body are to be paid by the buyer. Prices subject to change without notice.

Limitation of Liability:
NSI Solutions makes no warranty, express or implied, with respect to products. NSI Solutions' maximum liability for any reason will be replacement of the product or refund of the purchase price. NSI Solutions will not be liable for any loss or damage resulting from the use of its products. Environmental Reference Materials purchased from NSI are intended for laboratory use only by qualified, trained personnel.

How To Do Business With NSI

Ordering Information:

Phone:	(800) 234-7837 or (919) 957-9672	Hours: 8:00 a.m. – 5:00 p.m. Eastern Time, Monday – Friday
To Order:	Please provide Account No., Purchase Order No., Catalog No., and Item Description and Quantity. NSI accepts MasterCard, Visa, American Express, and Discover.	
Fax:	(919) 957-7562	24 hours a day
Mail:	NSI Solutions, Inc. 7212 ACC Blvd. Raleigh, NC 27617	
E-Mail:	dana.fields@nsi-es.com	Please include all relevant ordering information.
On-line:	www.nsi-es.com	
Technical Service:	(919) 957-9672 or (800) 234-7837	Hours: 8:00 a.m. – 5:00 p.m. Eastern Time, Monday – Friday
Shipping:	Orders for stock items received before 4:00 p.m. EST can be shipped for next-day delivery. Emergency requests will be accommodated if possible. Orders are shipped via UPS or Federal Express. Freight charges are prepaid and added to your invoice.	

www.nsi-es.com
800.234.7837