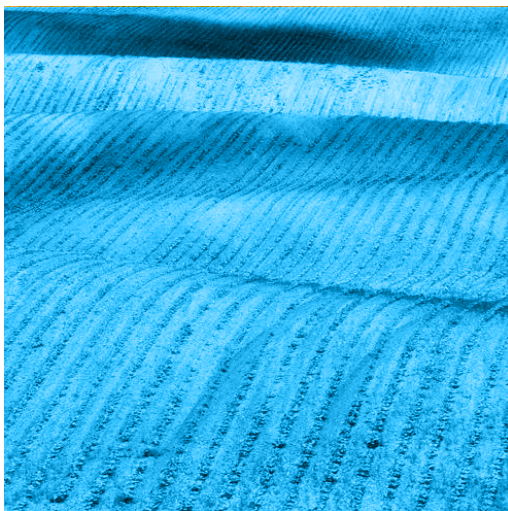




Environmental Proficiency Testing & Certified Reference Materials



2025-2026 Catalog

Proficiency Testing and Calibration Standards for Environmental Analysis

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QUALITY ACCREDITATIONS

You depend on the products we provide to accurately and efficiently perform your analyses. As a testament to our commitment to your satisfaction, we hold our products to the most stringent quality requirements.

Phenova products are covered by one or all of the following quality certifications:

ISO 17034

General requirements for the competence of reference material producers.

- A2LA Cert No. 2427.02

ISO/IEC 17025

General requirements for the competence of testing and calibration laboratories.

- A2LA Cert No. 2427.03

TNI EL-V3

General requirement for environmental proficiency testing providers.

- A2LA Cert No. 2427.01

ISO/IEC 17043

Conformity assessment – General requirements for proficiency testing.

- A2LA Cert No. 2427.01

Learn more at

www.phenova.com



Proficiency Testing Provider Certificate No. 2427.01
Reference Material Producer Certificate No. 2427.02
Chemical Testing Laboratory Certificate No. 2427.03

MANAGE YOUR LABORATORY'S SUCCESS

PT Manage™ is the leading companion tool for managing all Phenova Proficiency Testing Studies; from enrolling to reviewing and reporting data. With PT Manage you can gain insight on the progress of labs and chemists across your network, and use that information to take the right preventative actions to manage your lab's success.



Corrective Action

Look for trends or patterns to help determine the potential causes of your "Not Acceptable" status.

Demonstration of Capability

Monitor your chemist's performance for each PT they conduct and track their progress and performance consistently.

Chart Historical Data

Review the analytes using our historical data charting tool to help identify potential risks to your accreditation.

Accreditation Tracking

Consistently review your laboratory's accreditation status and stay well-informed of any unexpected variables that might threaten your accreditation.

Analyst Performance

Correlate the history of your laboratory's PT progress with the chemists responsible for the sample preparation and analytical work.

Learn more at

www.phenova.com/PTManage

Water Pollution

INORGANIC

Phenova WP Inorganic Standards are provided as concentrates ready to dilute to produce your final samples in sufficient amounts for at least two methods, unless otherwise noted. The WP program is designed to be compliant with the Discharge Monitoring Report - Quality Assurance Program (DMR-QA). All standards are compliant with EPA, TNI and/or state specific criteria.



Metals

WP Trace Metals Set

This complete set includes WP Trace Metals 1, WP Mercury, and WP Tin in Titanium vials.

Part Numbers	PT	PT-TMSET-WP
	QC	QC-TMSET-WP
	RR	RR-TMSET-WP

WP Trace Metals 1

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with 5% (v/v) nitric acid (HNO₃) contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-TM1-WP
	QC	QC-TM1-WP
	RR	RR-TM1-WP

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

WP Mercury

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with approximately 1% (v/v) nitric acid (HNO₃) + 10 ppm hexavalent chromium contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-HG-WP
	QC	QC-HG-WP
	RR	RR-HG-WP

Analyte	Concentration
Mercury	3.0-30 µg/L

WP Mercury - Low Level

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with 1-2% HNO₃ (v/v) + 10 ppm hexavalent chromium contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-HGLL-WP
	QC	QC-HGLL-WP
	RR	RR-HGLL-WP

Analyte	Concentration
Mercury	20-100 ng/L

WP Tin and Titanium

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with 5% hydrochloric acid (HCL) contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-SNTI-WP
	QC	QC-SNTI-WP
	RR	RR-SNTI-WP

Analyte	Concentration
Tin	200-2000 µg/L
Titanium	60-300 µg/L

WP Hexavalent Chromium

Store at 20 - 25 °C

Provided as a >20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-CR6-WP
	QC	QC-CR6-WP
	RR	RR-CR6-WP

Analyte	Concentration
Chromium VI	90-900 µg/L

WP Lithium (Non-TNI/State Specific)

Store at 20 - 25 °C

Provided as a >20 mL concentrate in water preserved with 5% nitric acid contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-LI-WP
	QC	QC-LI-WP
	RR	RR-LI-WP

Analyte	Concentration
Lithium	50-500 µg/L

Order Online



Have questions? Contact us.

WP Uranium (Non-TNI/State Specific)

Store at 20 - 25 °C
Provided as a >20 mL concentrate in water preserved with 2% HNO₃ contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-U-WP
	QC	QC-U-WP
	RR	RR-U-WP

Analyte	Concentration
Uranium	30-100 µg/L

Demand

WP Demand

Store at 4 °C
Provided as a minimum 21 mL concentrate preserved with 0.5% (v/v) H₂SO₄ contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-DEM-WP
	QC	QC-DEM-WP
	RR	RR-DEM-WP

Analyte	Concentration
BOD	18-230 mg/L
CBOD	18-230 mg/L
COD	30-250 mg/L
TOC	6.0-100 mg/L

Minerals / Nutrients

WP Minerals Set

This complete set includes WP Minerals 1, WP Minerals 2 - Hardness, and Conductivity containers.

Part Numbers	PT	PT-MINSET-WP
	QC	QC-MINSET-WP
	RR	RR-MINSET-WP

WP Minerals 1

Store at 20-25 °C
Provided as a 500 mL ready to use standard in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-MIN1-WP
	QC	QC-MIN1-WP
	RR	RR-MIN1-WP

Analyte	Concentration
Total Alkalinity (CaCO ₃)	25-400 mg/L
Bromide	1.0-10 mg/L
Chloride	35-275 mg/L
Fluoride	0.40-4.0 mg/L
Total Inorganic Carbon	2.5-100 mg/L
Sulfate	5.0-125 mg/L

WP Minerals 2 - Hardness

Store at 20-25 °C
Provided as a 500 mL ready to use standard in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-MIN2-WP
	QC	QC-MIN2-WP
	RR	RR-MIN2-WP

Analyte	Concentration
Calcium	10-110 mg/L
Calcium Hardness (as CaCO ₃)	25-250 mg/L
Total Hardness (as CaCO ₃)	40-415 mg/L
Magnesium	4.0-40 mg/L
Potassium	4.0-40 mg/L
Sodium	10-100 mg/L

WP Nutrients Set

This complete set includes WP Nutrients #1, #2 and #3

Part Numbers	PT	PT-NUTSET-WP
	QC	QC-NUTSET-WP
	RR	RR-NUTSET-WP

WP Nutrients 1 - Simple Nutrients

Store at 4 °C
Provided as a >20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-NUT1-WP
	QC	QC-NUT1-WP
	RR	RR-NUT1-WP

Analyte	Concentration
Ammonia as N	1.0-20 mg/L
Nitrate as N	2.0-25 mg/L
Nitrate and Nitrite as N	2.5-25 mg/L
Orthophosphate as P	0.50-5.5 mg/L
Total Dissolved Phosphorus	0.50-5.5 mg/L
Dissolved Nitrogen	0.25-60 mg/L
Total Nitrogen	0.25-60 mg/L

WP Nutrients 2 - Complex Nutrients

Store at 4 °C
Provided as a >20 mL concentrate in water preserved with hydrochloric acid (HCl) to a pH < 2 and trace sodium hypochlorite (NaOCl) contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-NUT2-WP
	QC	QC-NUT2-WP
	RR	RR-NUT2-WP

Analyte	Concentration
Total Kjeldahl Nitrogen (TKN)	3.0-35 mg/L
Total Phosphorous	0.50-10 mg/L

WP Nutrients 3 - Nitrite

Store at 4 °C
Provided as a 5 mL concentrate in water flame sealed in a 5 mL amber ampoule.

Part Numbers	PT	PT-NUT3-WP
	QC	QC-NUT3-WP
	RR	RR-NUT3-WP

Analyte	Concentration
Nitrite as N	0.40-4.0 mg/L

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Have questions?

Contact info@phenova.com
or call (303) 940-0033

Oil & Grease

WP Oil & Grease

Store at 20-25 °C

Provided as a >20 mL concentrate in n-propanol contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-OGR-WP
	QC	QC-OGR-WP
	RR	RR-OGR-WP

Analyte	Concentration
Oil & Grease	20-200 mg/L

WP Oil & Grease 1L

Store at 20-25 °C

Provided as a 1 L ready to use standard in water preserved with 0.1% HCl contained in a 32 oz clear glass bottle.

Part Numbers	PT	PT-OGR1L-WP
	QC	QC-OGR1L-WP
	RR	RR-OGR1L-WP

Analyte	Concentration
Oil & Grease	20-200 mg/L

WP Oil & Grease in Acetone

Store at 20-25 °C

Provided as a >20 mL concentrate in acetone contained in a 24 mL amber glass vial.

Part Numbers	PT	PT-OGRA-WP
	QC	QC-OGRA-WP
	RR	RR-OGRA-WP

Analyte	Concentration
Oil & Grease	20-200 mg/L

WP Total Petroleum Hydrocarbons

Store at 20-25 °C

Provided as a >20 mL concentrate in n-propanol contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-TPH-WP
	QC	QC-TPH-WP
	RR	RR-TPH-WP

Analyte	Concentration
Total Petroleum Hydrocarbons (TPH)	20-200 mg/L

WP Total Petroleum Hydrocarbons 1L

Store at 20-25 °C

Provided as a 1 L ready to use standard in water preserved with 0.1% HCl contained in a 32 oz clear glass bottle.

Part Numbers	PT	PT-TPH1L-WP
	QC	QC-TPH1L-WP
	RR	RR-TPH1L-WP

Analyte	Concentration
Total Petroleum Hydrocarbons (TPH)	20-200 mg/L

Properties

WP Acidity

Store at 20-25 °C

Provided as a 250 mL ready to use standard in water contained in a 250 mL poly bottle.

Part Numbers	PT	PT-ACD-WP
	QC	QC-ACD-WP
	RR	RR-ACD-WP

Analyte	Concentration
Acidity, as CaCO ₃	650-1800 mg/L

WP Color

Store at 20-25 °C

Provided as a 24 mL clear glass vial containing at a minimum 21 mL of standard concentrate. The standard is preserved with 1%-7% hydrochloric acid (HCL).

Part Numbers	PT	PT-COL-WP
	QC	QC-COL-WP
	RR	RR-COL-WP

Analyte	Concentration
Color	10-75 CU

WP Conductivity

Store at 20-25 °C

Provided as a 100 mL ready to use standard in water contained in a 125 mL poly bottle.

Part Numbers	PT	PT-COND-WP
	QC	QC-COND-WP
	RR	RR-COND-WP

Analyte	Concentration
Specific Conductance at 25 °C	200-1200 µmhos/cm

WP Turbidity

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with trace NaOCl contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-TURB-WP
	QC	QC-TURB-WP
	RR	RR-TURB-WP

Analyte	Concentration
Turbidity	2.0-30 NTU

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or call (303) 940-0033

WP Settleable Solids

Store at 20-25 °C
Provided as a solid material in a 40 mL vial.

Part Numbers	PT	PT-SSOL-WP
	QC	QC-SSOL-WP
	RR	RR-SSOL-WP

Analyte	Concentration
Settleable Solids	5.0-50 mL/L

WP Solids

Store at 20-25 °C
Provided as a 500 mL ready to use standard in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-SOL-WP
	QC	QC-SOL-WP
	RR	RR-SOL-WP

Analyte	Concentration
Total Dissolved Solids at 180 °C (TFR)	140-800 mg/L
Non-Filterable Residue (TSS)	20-100 mg/L
Total Solids	140-800 mg/L

WP Volatile Solids

Store at 20-25 °C
Provided as a 24 mL screw cap vial.

Part Numbers	PT	PT-VSOL-WP
	QC	QC-VSOL-WP
	RR	RR-VSOL-WP

Analyte	Concentration
Volatile Solids	100-500 mg/L

WP Volatile Suspended Solids (Non-TNI/State Specific)

Store at 20-25 °C
Provided as a 500 mL ready to use standard in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-VSS-WP
	QC	QC-VSS-WP
	RR	RR-VSS-WP

Analyte	Concentration
Volatile Suspended Solids	25-200 mg/L

Miscellaneous

WP Cyanide

Store at 20-25 °C
Provided as a 20 mL concentrate preserved with sodium hydroxide (NaOH) to pH ~10 contained in a 20 mL amber glass vial.

Part Numbers	PT	PT-CN-WP
	QC	QC-CN-WP
	RR	RR-CN-WP

Analyte	Concentration
Total Cyanide	0.10-1.0 mg/L

WP Amenable Cyanide (Non-TNI/State Specific)

Store at 4 °C
Provided as a 20 mL concentrate preserved with approximately 0.20% (w/v) potassium hydroxide (KOH) contained in a 23 mL amber glass vial.

Part Numbers	PT	PT-CNA-WP
	QC	QC-CNA-WP
	RR	RR-CNA-WP

Analyte	Concentration
Amenable Cyanide	0.10-0.50 mg/L

WP pH

Store at 20-25 °C
Provided as a 100 mL ready to use standard in water contained in a 125 mL poly bottle.

Part Numbers	PT	PT-PH-WP
	QC	QC-PH-WP
	RR	RR-PH-WP

Analyte	Concentration
pH	5.0-10 S.U.

WP Phenolics

Store at 4 °C
Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PHEN-WP
	QC	QC-PHEN-WP
	RR	RR-PHEN-WP

Analyte	Concentration
Total Phenolics (4AAP)	0.5-5.0 mg/L

WP Residual Chlorine

Store at 4 °C
Provided as a 5 mL concentrate in water flame sealed in a 5 mL amber ampoule.

Part Numbers	PT	PT-CL-WP
	QC	QC-CL-WP
	RR	RR-CL-WP

Analyte	Concentration
Total Residual Chlorine	0.5-3.0 mg/L

WP Residual Chlorine - Low Level

Store at 4 °C
Provided as a 5 mL concentrate in water flame sealed in a 5 mL amber ampoule.

Part Numbers	PT	PT-CLLL-WP
	QC	QC-CLLL-WP
	RR	RR-CLLL-WP

Analyte	Concentration
Total Residual Chlorine	50-250 µg/L

WP Silica

Store at 20-25 °C
Provided as a 250 mL ready to use standard in water contained in a 250 mL poly bottle.

Part Numbers	PT	PT-SIO2-WP
	QC	QC-SIO2-WP
	RR	RR-SIO2-WP

Analyte	Concentration
Silica as SiO ₂	50-250 mg/L

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Contact info@phenova.com
or call (303) 940-0033

Miscellaneous (Cont'd)

WP Sulfide

Store at 4 °C
Provided as a >20 mL concentrate in water preserved with NaOH to pH > 12 and ZnOAc, contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-S2-WP
	QC	QC-S2-WP
	RR	RR-S2-WP

Analyte	Concentration
Sulfide	2.0-10.0 mg/L

WP Surfactants as MBAS

Store at 20-25 °C
Provided as a >20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-MBAS-WP
	QC	QC-MBAS-WP
	RR	RR-MBAS-WP

Analyte	Concentration
Surfactants - MBAS	0.2-1.0 mg/L

WP Total Organic Halides (Non-TNI/State Specific)

Store at 4 °C
Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-TOX-WP
	QC	QC-TOX-WP
	RR	RR-TOX-WP

Analyte	Concentration
Total Organic Halides (TOX)	300-1500 µg/L

WP Perchlorate (Non-TNI/State Specific)

Store at 4 °C
Provided as a >20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-PERC-WP
	QC	QC-PERC-WP
	RR	RR-PERC-WP

Analyte	Concentration
Perchlorate	4.0-20 µg/L

WP Inorganic Disinfections By-Products Set

This complete set includes WP IDB 1 and 2 vials.

Part Numbers	QC	QC-IDBSET-WP
	RR	RR-IDBSET-WP

WP IDB 1 - Bromide and Bromate

Store at 4 °C
Provided as a >20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	QC	QC-IDB1-WP
	RR	RR-IDB1-WP

Analyte	Concentration
Bromate	7.0-50 µg/L
Bromide	50-300 µg/L

WP IDB 2 - Chlorite and Chlorate

Store at 4 °C
Provided as a >20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	QC	QC-IDB2-WP
	RR	RR-IDB2-WP

Analyte	Concentration
Chlorite	100-1000 µg/L
Chlorate	60-180 µg/L

WP Dissolved Oxygen (Non-TNI/State Specific)

Store at 20-25 °C
Provided as a 500 mL ready to use standard in water contained in a 500 mL amber glass bottle.

Part Numbers	PT	PT-O2-WP
	QC	QC-O2-WP
	RR	RR-O2-WP

Analyte	Concentration
Dissolved Oxygen	1.0-50 mg/L

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Water Pollution

ORGANIC

Phenova WP Organic Standards are provided as concentrates ready to dilute to produce your final samples in sufficient amounts for at least two methods, unless otherwise noted. All standards are compliant with EPA, TNI and/or state specific criteria.

Explosives

WP Explosives - Low Level (Non-TNI/State Specific)

Store at 4 °C

Provided as a 2 mL concentrate in acetonitrile flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-EXP-WP
	QC	QC-EXP-WP
	RR	RR-EXP-WP

Analyte	Concentration
2-Amino-4,6-dinitrotoluene	1.0-20 µg/L
4-Amino-2,6-dinitrotoluene	1.0-20 µg/L
3,5-Dinitroaniline	1.0-20 µg/L
1,3-Dinitrobenzene	1.0-20 µg/L
2,4-Dinitrotoluene	1.0-20 µg/L
2,6-Dinitrotoluene	1.0-20 µg/L
HMX (Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine)	1.0-20 µg/L
Nitrobenzene	1.0-20 µg/L
Nitroglycerin	1.0-20 µg/L
2-Nitrotoluene	1.0-20 µg/L
3-Nitrotoluene	1.0-20 µg/L
4-Nitrotoluene	1.0-20 µg/L
Pentaerythritol tetranitrate (PETN)	1.0-20 µg/L
RDX (Hexahydro-1,3,5-trinitro-1,3,5-triazine)	1.0-20 µg/L
Tetryl (Methyl-2,4,6-trinitrophenylnitramine)	1.0-20 µg/L
1,3,5-Trinitrobenzene	1.0-20 µg/L
2,4,6-Trinitrotoluene	1.0-20 µg/L

Herbicides

WP Herbicides

Store at 4 °C

Provided as a 2 mL concentrate in acetonitrile flame sealed in a 2 mL amber ampoule.

Note: Pentachlorophenol and 4-Nitrophenol are not within the TNI range. Please use WP Acids for TNI compliance.

Part Numbers	PT	PT-HERB-WP
	QC	QC-HERB-WP
	RR	RR-HERB-WP

Analyte	Concentration
Acifluorfen	2.0-10 µg/L
Bentazon	2.0-10 µg/L
Brominal (Bromoxynil)	2.0-10 µg/L
Chloramben	2.0-10 µg/L
2,4-D	2.0-10 µg/L
2,4-DB	2.0-10 µg/L
2,4-DP (Dichlorprop)	2.0-10 µg/L
Dacthal (DCPA diacid)	2.0-10 µg/L
Dalapon	2.0-10 µg/L
Dicamba	2.0-10 µg/L
3,5-Dichlorobenzoic acid	2.0-10 µg/L
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	2.0-10 µg/L
MCPA	25-100 µg/L
MCPP	25-100 µg/L
4-Nitrophenol	2.0-10 µg/L
Pentachlorophenol	2.0-10 µg/L
Picloram	2.0-10 µg/L
2,4,5-T	2.0-10 µg/L
2,4,5-TP (Silvex)	2.0-10 µg/L

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Pesticides

WP Pesticides

Store at 4 °C

Provided as a 2 mL concentrate in acetone flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PEST-WP
	QC	QC-PEST-WP
	RR	RR-PEST-WP

Analyte	Concentration
Aldrin	1.0-15 µg/L
alpha-BHC	2.0-20 µg/L
beta-BHC	2.0-20 µg/L
delta-BHC	2.0-20 µg/L
gamma-BHC (Lindane)	2.0-20 µg/L
alpha-Chlordane	1.0-10 µg/L
trans-Chlordane	1.0-10 µg/L
4,4'-DDD	2.0-10 µg/L
4,4'-DDE	1.0-10 µg/L
4,4'-DDT	1.0-10 µg/L
Dieldrin	1.0-15 µg/L
Endosulfan I	4.0-20 µg/L
Endosulfan II	4.0-20 µg/L
Endosulfan sulfate	4.0-20 µg/L
Endrin	2.0-20 µg/L
Endrin aldehyde	4.0-20 µg/L
Endrin ketone	4.0-20 µg/L
Heptachlor	1.0-10 µg/L
Heptachlor Epoxide (beta)	1.0-10 µg/L
Methoxychlor	2.0-20 µg/L

WP Chlordane

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-CHLR-WP
	QC	QC-CHLR-WP
	RR	RR-CHLR-WP

Analyte	Concentration
Chlordane (total)	3.0-25 µg/L

WP Toxaphene

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-TXP-WP
	QC	QC-TXP-WP
	RR	RR-TXP-WP

Analyte	Concentration
Toxaphene (total)	20-100 µg/L

WP Carbamates (Non-TNI/State Specific)

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-CARB-WP
	QC	QC-CARB-WP
	RR	RR-CARB-WP

Analyte	Concentration
Aldicarb	15-100 µg/L
Aldicarb sulfone	15-100 µg/L
Aldicarb sulfoxide	15-80 µg/L
Baygon	30-140 µg/L
Carbaryl	15-100 µg/L
Carbofuran	15-150 µg/L
Diuron	30-140 µg/L
3-Hydroxycarbofuran	15-80 µg/L
Methiocarb	30-140 µg/L
Methomyl	15-100 µg/L
Oxamyl (Vydate)	15-100 µg/L
Propham	30-140 µg/L

WP Nitrogen and Triazine Pesticide Set

This complete set includes both WP Nitrogen and Triazine Pesticides.

Part Numbers	PT	PT-NPESTSET-WP
	QC	QC-NPESTSET-WP
	RR	RR-NPESTSET-WP

WP Nitrogen Pesticides (Non-TNI/State Specific)

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-NPEST-WP
	QC	QC-NPEST-WP
	RR	RR-NPEST-WP

Analyte	Concentration
Alachlor	2.0-20 µg/L
Bromacil	2.0-20 µg/L
Butachlor	2.0-20 µg/L
Butylate	2.0-20 µg/L
EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	2.0-20 µg/L
Hexazinone	2.0-20 µg/L
Metolachlor	2.0-20 µg/L
Metribuzin	2.0-20 µg/L
Napropamide	2.0-20 µg/L
Pronamide (Kerb)	2.0-20 µg/L
Propachlor (Ramrod)	2.0-20 µg/L
Terbacil	2.0-20 µg/L
Trifluralin	2.0-20 µg/L

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WP Triazine Pesticides (Non-TNI/State Specific)

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-TRIAZINE-WP
	QC	QC-TRIAZINE-WP
	RR	RR-TRIAZINE-WP

Analyte	Concentration
Ametryn	2.0-20 µg/L
Anilazine	2.0-20 µg/L
Atraton	2.0-20 µg/L
Atrazine	2.0-20 µg/L
Cyanazine	2.0-20 µg/L
Deethyl atrazine	2.0-20 µg/L
Deisopropyl atrazine	2.0-20 µg/L
Diamino atrazine	2.0-20 µg/L
Prometon	2.0-20 µg/L
Prometryn	2.0-20 µg/L
Propazine	2.0-20 µg/L
Simazine	2.0-20 µg/L

WP Organic Phosphorus Pesticides (Non-TNI/State Specific)

Store at 4 °C

Provided as a 2 mL concentrate in methanol flames sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-OPP-WP
	QC	QC-OPP-WP
	RR	RR-OPP-WP

Analyte	Concentration
Azinphos-methyl (Guthion)	2.0-20 µg/L
Carbophenothion	2.0-20 µg/L
Chlorpyrifos	2.0-20 µg/L
Demeton-o	2.0-20 µg/L
Demeton-s	2.0-20 µg/L
Demeton O & S	4.0-40 µg/L
Diazinon	2.0-20 µg/L
Dichlorovos (DDVP, Dichlorvos)	2.0-20 µg/L
Dimethoate	2.0-20 µg/L
Dioxathion	2.0-20 µg/L
Disulfoton	2.0-20 µg/L
Ethion	2.0-20 µg/L
Ethoprop	2.0-20 µg/L
Famphur	2.0-20 µg/L
Fonophos	2.0-20 µg/L
Malathion	2.0-20 µg/L
Parathion, ethyl	2.0-20 µg/L
Methyl parathion (Parathion, methyl)	2.0-20 µg/L
Phorate	2.0-20 µg/L
Phosmet (Imidan)	2.0-20 µg/L
Ronnel	2.0-20 µg/L
Terbufos	2.0-20 µg/L
Tetrachlorvinphos (Stirophos, Gardona)	2.0-20 µg/L

WP Phosmet

Store at 0 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PHOSMET-WP
	QC	QC-PHOSMET-WP
	RR	RR-PHOSMET-WP

Analyte	Concentration
Phosmet	2.0 - 20 µg/L

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Petroleum Hydrocarbons & Fuels

WP Gasoline Additives (Non-TNI/State Specific)

Store at 4 °C

Provided as a 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-ADD-WP
	QC	QC-ADD-WP
	RR	RR-ADD-WP

Analyte	Concentration
Methyl tert-butyl ether (MTBE)	15-150 µg/L
DIPE	10-100 µg/L
ETBE	10-100 µg/L
Freon 113	10-100 µg/L
n-Propylbenzene	10-100 µg/L
TAME	10-100 µg/L
tert-Butyl alcohol	100-500 µg/L

WP Gasoline Range Organics

Store at 4 °C

Provided as a 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-GAS-WP
	QC	QC-GAS-WP
	RR	RR-GAS-WP

Analyte	Concentration
Gasoline range organics (GRO)	400-4000 µg/L
Benzene	2.0-100 µg/L
Ethylbenzene	2.0-100 µg/L
Methyl tert-butyl ether (MTBE)	2.0-100 µg/L
Toluene	5.0-250 µg/L
m+p-xylene	20-300 µg/L
o-xylene	20-300 µg/L
Xylenes, total	5.0-250 µg/L

WP Diesel Range Organics

Store at 4 °C

Provided as an approximately 2 mL concentrate in acetone or methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-DIES-WP
	QC	QC-DIES-WP
	RR	RR-DIES-WP

Analyte	Concentration
Diesel Range Organics (DRO)	800-6000 µg/L

WP PCBs in Water

Polychlorinated Biphenyls (PCBs)

WP PCBs in Oil

Store at 20-25 °C

Provided as a 10 mL amber ampoule containing approximately 5 grams of spiked transformer oil.

Part Numbers	PT	PT-PCBO-WP
	QC	QC-PCBO-WP
	RR	RR-PCBO-WP

Analyte	Concentration
Aroclor 1016	10-50 mg/kg
Aroclor 1221	12-50 mg/kg
Aroclor 1232	12-50 mg/kg
Aroclor 1242	10-50 mg/kg
Aroclor 1248	12-50 mg/kg
Aroclor 1254	10-50 mg/kg
Aroclor 1260	10-50 mg/kg

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WP PCBs in Water

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PCBW-WP
	QC	QC-PCBW-WP
	RR	RR-PCBW-WP

Analyte	Concentration
Aroclor 1016	2.0-10 µg/L
Aroclor 1221	2.0-10 µg/L
Aroclor 1232	2.0-10 µg/L
Aroclor 1242	2.0-10 µg/L
Aroclor 1248	2.0-10 µg/L
Aroclor 1254	2.0-10 µg/L
Aroclor 1260	2.0-10 µg/L

Semi-Volatiles

WP Acids

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-ACIDS-WP
	QC	QC-ACIDS-WP
	RR	RR-ACIDS-WP

Analyte	Concentration
Benzoic acid	50-200 µg/L
4-Chloro-3-methylphenol	30-200 µg/L
2-Chlorophenol	30-200 µg/L
2,4-Dichlorophenol	30-200 µg/L
2,6-Dichlorophenol	30-200 µg/L
2,4-Dimethylphenol	40-200 µg/L
2,4-Dinitrophenol	100-200 µg/L
2-Methyl-4,6-Dinitrophenol	40-200 µg/L
2-Methylphenol	40-200 µg/L
4-Methylphenol (and/or 3-Methylphenol)	50-200 µg/L
2-Nitrophenol	50-200 µg/L
3-Nitrophenol	100-180 µg/L
4-Nitrophenol	100-200 µg/L
Phenol	100-200 µg/L
Pentachlorophenol	40-200 µg/L
2,3,4,6-Tetrachlorophenol	50-200 µg/L
2,4,5-Trichlorophenol	30-200 µg/L
2,4,6-Trichlorophenol	30-200 µg/L

WP Base Neutrals

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-BN-WP
	QC	QC-BN-WP
	RR	RR-BN-WP

Analyte	Concentration
Acenaphthene	10-200 µg/L
Acenaphthylene	10-200 µg/L
Aniline	30-120 µg/L
Anthracene	10-200 µg/L
Benzidine	200-1000 µg/L
Benzo(a)anthracene	10-200 µg/L
Benzo(b)fluoranthene	20-200 µg/L
Benzo(k)fluoranthene	20-200 µg/L
Benzo(g,h,i)perylene	10-200 µg/L
Benzo(a)pyrene	10-200 µg/L
Benzyl alcohol	50-200 µg/L
4-Bromophenyl-phenylether	20-200 µg/L
Butyl benzyl phthalate	50-200 µg/L
Carbazole	10-120 µg/L
4-Chloroaniline	50-200 µg/L
bis(2-Chloroethoxy) methane	20-200 µg/L
bis(2-Chloroethyl) ether	20-200 µg/L
2,2'-Oxybis(1-chloropropane)	30-200 µg/L
1-Chloronaphthalene	10-200 µg/L
2-Chloronaphthalene	20-200 µg/L
4-Chlorophenyl-phenylether	20-200 µg/L
Chrysene	10-200 µg/L
Dibenzo(a,h)anthracene	20-200 µg/L
Dibenzofuran	30-200 µg/L
Di-n-butylphthalate	40-200 µg/L
1,2-Dichlorobenzene	20-200 µg/L
1,3-Dichlorobenzene	20-200 µg/L
1,4-Dichlorobenzene	20-200 µg/L
3,3'-Dichlorobenzidine	50-200 µg/L
Diethyl phthalate	50-200 µg/L
Dimethyl phthalate	50-200 µg/L
2,4-Dinitrotoluene	20-200 µg/L
2,6-Dinitrotoluene	20-200 µg/L
Di-n-octylphthalate	30-200 µg/L
p-Dioxane	10-200 µg/L
bis(2-ethylhexyl) phthalate	20-200 µg/L
Fluoranthene	30-200 µg/L
Fluorene	10-200 µg/L
Hexachlorobenzene	20-200 µg/L
Hexachlorobutadiene	50-200 µg/L
Hexachlorocyclopentadiene	50-200 µg/L
Hexachloroethane	50-200 µg/L
Indeno(1,2,3-cd)pyrene	30-200 µg/L
Isophorone	20-200 µg/L
1-Methylnaphthalene	30-190 µg/L
2-Methylnaphthalene	20-200 µg/L
Naphthalene	20-200 µg/L
2-Nitroaniline	10-120 µg/L
3-Nitroaniline	10-120 µg/L
4-Nitroaniline	10-120 µg/L
Nitrobenzene	20-200 µg/L
N-Nitrosodiethylamine	30-140 µg/L
N-Nitrosodimethylamine	75-200 µg/L
N-Nitrosodiphenylamine	30-200 µg/L
N-Nitroso-di-n-propylamine	30-200 µg/L
Pentachlorobenzene	30-120 µg/L
Phenanthrene	10-200 µg/L
Pyrene	10-200 µg/L
Pyridine	30-120 µg/L
1,2,4,5-Tetrachlorobenzene	30-120 µg/L
o-Toluidine	30-120 µg/L
1,2,4-Trichlorobenzene	20-200 µg/L

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WP PAHs - Low Level

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PAH-WP
	QC	QC-PAH-WP
	RR	RR-PAH-WP

Analyte	Concentration
Acenaphthene	2.0-20 µg/L
2-Methylnaphthalene	2-10 µg/L
Acenaphthylene	2.0-20 µg/L
Anthracene	0.50-5.0 µg/L
Benzo(a)anthracene	0.50-5.0 µg/L
Benzo(b)fluoranthene	0.50-5.0 µg/L
Benzo(k)fluoranthene	0.50-5.0 µg/L
Benzo(g,h,i)perylene	0.50-5.0 µg/L
Benzo(a)pyrene	0.50-5.0 µg/L
Chrysene	0.50-5.0 µg/L
Dibenzo(a,h)anthracene	0.50-5.0 µg/L
Fluoranthene	0.50-5.0 µg/L
Fluorene	2.0-10 µg/L
Indeno(1,2,3-cd)pyrene	0.50-5.0 µg/L
Naphthalene	2.0-10 µg/L
Phenanthrene	0.50-5.0 µg/L
Pyrene	0.50-5.0 µg/L

WP PAHs - High Level

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PAHGC-WP
	QC	QC-PAHGC-WP
	RR	RR-PAHGC-WP

Analyte	Concentration
2-Methylnaphthalene	20-200 µg/L
Acenaphthene	10-200 µg/L
Acenaphthylene	10-200 µg/L
Anthracene	10-200 µg/L
Benzo(a)anthracene	10-200 µg/L
Benzo(b)fluoranthene	20-200 µg/L
Benzo(k)fluoranthene	20-200 µg/L
Benzo(g,h,i)perylene	10-200 µg/L
Benzo(a)pyrene	10-200 µg/L
Chrysene	10-200 µg/L
Dibenzo(a,h)anthracene	20-200 µg/L
Fluoranthene	30-200 µg/L
Fluorene	10-200 µg/L
Indeno(1,2,3-cd)pyrene	30-125 µg/L
Naphthalene	20-200 µg/L
Phenanthrene	10-200 µg/L
Pyrene	10-200 µg/L

WP Glycols (Non-TNI/State Specific)

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-GLYCOLS-WP
	QC	QC-GLYCOLS-WP
	RR	RR-GLYCOLS-WP

Analyte	Concentration
Propylene glycol	75-200 mg/L
Ethylene glycol	75-200 mg/L
Diethylene glycol	75-200 mg/L
Triethylene glycol	75-200 mg/L
Tetraethylene glycol	75-200 mg/L

WP PFAS

Store at 4 °C

Provided as a 2.1 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PFAS-WP
	QC	QC-PFAS-WP
	RR	RR-PFAS-WP

Analyte	Concentration
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	100-500 ng/L
9-Chloro hexadecane fluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	100-500 ng/L
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	100-500 ng/L
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	100-500 ng/L
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	100-500 ng/L
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	100-500 ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	100-500 ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	100-500 ng/L
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	100-500 ng/L
Hexafluoropropylene oxide diamer acid (HFPO-DA)	100-500 ng/L
Perfluorododecanesulfonic acid (PFDoS)	100-500 ng/L
N-Ethyl perfluorooctanesulfonamidoacetic acid (NtEFOSAA)	100-500 ng/L
N-ethylperfluorooctanesulfonamide (NtEFOSA)	100-500 ng/L
N-ethylperfluorooctanesulfonamido-ethanol (NtEFOSE)	100-500 ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	100-500 ng/L
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	100-500 ng/L
N-methylperfluorooctanesulfonamide (NMeFOSA)	100-500 ng/L
N-methylperfluorooctanesulfonamido-ethanol (NMeFOSE)	100-500 ng/L
Perfluorobutanoic acid (PFBA)	100-500 ng/L
Nonafluorobutane-1-sulfonic acid (PFBS)	100-500 ng/L
Perfluorodecanoic acid (PFDA)	100-500 ng/L
Perfluorododecanoic acid (PFDoA)	100-500 ng/L
Perfluorodecanesulfonic acid (PFDS)	100-500 ng/L
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	100-500 ng/L
Perfluoroheptanoic acid (PFHpA)	100-500 ng/L
Perfluoroheptanesulfonic acid (PFHpS)	100-500 ng/L
Perfluorohexanoic acid (PFHxA)	100-500 ng/L
Perfluorohexanesulfonic acid (PFHxS)	100-500 ng/L
Perfluoro(3-methoxypropionic) acid (PFMPA)	100-500 ng/L
Perfluoro(4-methoxybutanoic) acid (PFMBA)	100-500 ng/L
Perfluorononanoic acid (PFNA)	100-500 ng/L
Perfluoro-1-Nonanesulfonic acid (PFNS)	100-500 ng/L
Pentadecafluorooctanoic acid (PFOA)	100-500 ng/L
Perfluorooctane sulfonic acid (PFOS)	100-500 ng/L
Perfluorooctanesulfonamide (PFOSA)	100-500 ng/L
Perfluoropentanoic acid (PFPeA)	100-500 ng/L
Perfluoropentanesulfonic acid (PFPeS)	100-500 ng/L
Perfluorotetradecanoic acid (PFTeA)	100-500 ng/L
Perfluorotridecanoic acid (PFTTrDA)	100-500 ng/L
Perfluoroundecanoic acid (PFUnA)	100-500 ng/L

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Volatiles

WP EPA 8011 EDB/DBCP/TCP

Store at 4 °C

Provided as a > 1 mL concentrate in methanol flame sealed in 2 mL amber ampoule.

Part Numbers	PT	PT-8011-WP
	QC	QC-8011-WP
	RR	RR-8011-WP

Analyte	Concentration
1,2-Dibromo-3-chloropropane (DBCP)	0.2-20 µg/L
1,2-Dibromoethane (EDB)	0.2-20 µg/L
1,2,3-Trichloropropane	0.2-20 µg/L

WP Volatiles

Store at 4 °C

Provided as a 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-VOA-WP
	QC	QC-VOA-WP
	RR	RR-VOA-WP

Analyte	Concentration
Acetone	20-200 µg/L
Acetonitrile	5.0-200 µg/L
Acrolein	5.0-200 µg/L
Acrylonitrile	5.0-200 µg/L
Benzene	10-120 µg/L
Bromobenzene	10-300 µg/L
Bromochloromethane	5.0-200 µg/L
Bromodichloromethane	10-100 µg/L
Bromoform	10-100 µg/L
Bromomethane	20-120 µg/L
2-Butanone (MEK)	5.0-200 µg/L
n-Butylbenzene	10-300 µg/L
sec-Butylbenzene	10-300 µg/L
tert-Butylbenzene	10-300 µg/L
Carbon disulfide	5.0-200 µg/L
Carbon tetrachloride	15-150 µg/L
Chlorobenzene	10-120 µg/L
Chloroethane	20-120 µg/L
2-Chloroethylvinylether	5.0-200 µg/L
Chloroform	10-100 µg/L
Chloromethane	20-120 µg/L
2-Chlorotoluene	5.0-200 µg/L
4-Chlorotoluene	10-300 µg/L
Dibromochloromethane	10-100 µg/L
1,2-Dibromo-3-chloropropane (DBCP)	15-150 µg/L
1,2-Dibromoethane (EDB)	10-120 µg/L
Dibromomethane	10-120 µg/L
1,2 Dichlorobenzene	10-120 µg/L
1,3 Dichlorobenzene	10-120 µg/L
1,4 Dichlorobenzene	10-120 µg/L
Dichlorodifluoromethane	5.0-200 µg/L
1,1-Dichloroethane	10-150 µg/L
1,2 Dichloroethane	15-150 µg/L
1,1 Dichloroethene	10-150 µg/L
cis-1,2-Dichloroethene	10-150 µg/L
trans-1,2-Dichloroethene	10-120 µg/L
Dichlorofluoromethane	5.0-200 µg/L
1,2-Dichloropropane	10-150 µg/L
1,3-Dichloropropane	10-300 µg/L
2,2-Dichloropropane	10-300 µg/L
1,1-Dichloropropene	5.0-200 µg/L
cis-1,3-Dichloropropene	10-120 µg/L
trans-1,3-Dichloropropene	10-120 µg/L
Ethylbenzene	10-120 µg/L
Hexachlorobutadiene	50-200 µg/L
Hexachloroethane	50-200 µg/L
2-Hexanone	20-200 µg/L
Isopropylbenzene	10-300 µg/L
p-Isopropyltoluene	10-300 µg/L

WP Volatiles Cont'd

Analyte	Concentration
Methylene Chloride	10-120 µg/L
2-Methylnaphthalene	20-200 µg/L
4-Methyl-2-pentanone (MIBK)	20-200 µg/L
Methyl tert-butyl ether (MTBE)	15-150 µg/L
Naphthalene	15-150 µg/L
Nitrobenzene	20-200 µg/L
n-Propylbenzene	10-300 µg/L
Styrene	20-120 µg/L
1,1,1,2-Tetrachloroethane	15-150 µg/L
1,1,2,2-Tetrachloroethane	15-150 µg/L
Tetrachloroethene	10-150 µg/L
Toluene	10-120 µg/L
1,2,3-Trichlorobenzene	15-150 µg/L
1,2,4-Trichlorobenzene	10-150 µg/L
1,1,1-Trichloroethane	10-100 µg/L
1,1,2-Trichloroethane	15-150 µg/L
Trichloroethene	10-100 µg/L
Trichlorofluoromethane	20-120 µg/L
1,2,3-Trichloropropane	15-150 µg/L
1,2,4-Trimethylbenzene	10-120 µg/L
1,3,5-Trimethylbenzene	10-120 µg/L
Vinyl acetate	5.0-200 µg/L
Vinyl chloride	20-120 µg/L
m+p-Xylene	10-150 µg/L
o-Xylene	10-150 µg/L
Xylenes, total	20-300 µg/L

WP VOA-GC

Store at 4 °C

Provided as a 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-VOAGC-WP
	QC	QC-VOAGC-WP
	RR	RR-VOAGC-WP

Analyte	Concentration
Benzene	10-120 µg/L
Chlorobenzene	10-120 µg/L
1,2 Dichlorobenzene	10-120 µg/L
1,3 Dichlorobenzene	10-120 µg/L
1,4 Dichlorobenzene	10-120 µg/L
Ethylbenzene	10-120 µg/L
Isopropylbenzene	10-300 µg/L
Methyl tert-butyl ether (MTBE)	15-150 µg/L
Naphthalene	15-150 µg/L
Toluene	10-120 µg/L
1,2,4-Trimethylbenzene	10-120 µg/L
1,3,5-Trimethylbenzene	10-120 µg/L
m+p-xylene	10-150 µg/L
o-xylene	10-150 µg/L
Xylenes, total	20-300 µg/L

WP BTEX

Store at 4 °C

Provided as a 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-BTEX-WP
	QC	QC-BTEX-WP
	RR	RR-BTEX-WP

Analyte	Concentration
Benzene	10-120 µg/L
Ethylbenzene	10-120 µg/L
Methyl tert-butyl ether (MTBE)	15-150 µg/L
Toluene	10-120 µg/L
m+p-xylene	10-150 µg/L
o-xylene	10-150 µg/L
Xylenes, total	20-300 µg/L

Water Supply

INORGANIC

Phenova WS Inorganic Standards are provided as concentrates ready to dilute to produce your final samples in sufficient amounts for at least two methods, unless otherwise noted. All standards are compliant with EPA, TNI and/or state specific criteria.



Metals

WS Trace Metals Set

This complete set includes WS Trace Metals 1 and Mercury vials.

Part Numbers	PT	PT-TMSET-WS
	QC	QC-TMSET-WS
	RR	RR-TMSET-WS

WS Trace Metals 1

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with 4% HNO₃ (v/v) contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-TM-WS
	QC	QC-TM-WS
	RR	RR-TM-WS

Analyte	Concentration
Aluminum	130-1000 µg/L
Antimony	6.0-50 µg/L
Arsenic	5.0-50 µg/L
Barium	500-3000 µg/L
Beryllium	2.0-20 µg/L
Boron	800-2000 µg/L
Cadmium	2.0-50 µg/L
Chromium	10-200 µg/L
Copper	50-2000 µg/L
Iron	100-1800 µg/L
Lead	5.0-100 µg/L
Manganese	40-900 µg/L
Molybdenum	15-130 µg/L
Nickel	10-500 µg/L
Selenium	10-100 µg/L
Silver	20-300 µg/L
Thallium	2.0-10 µg/L
Vanadium	50-1000 µg/L
Zinc	200-2000 µg/L

WS Trace Metals Mercury

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with approximately 1%-2% (v/v) nitric acid (HNO₃)+ 10 ppm hexavalent chromium contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-HG-WS
	QC	QC-HG-WS
	RR	RR-HG-WS

Analyte	Concentration
Mercury	0.50-10 µg/L

WS Hexavalent Chromium

Store at 20-25 °C

Provided as a >20 mL concentrate in water contained in a 23 mL clear glass vial.

Part Numbers	PT	PT-CR6-WS
	QC	QC-CR6-WS
	RR	RR-CR6-WS

Analyte	Concentration
Chromium VI	5.0-50 µg/L

WS Uranium

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with 2% HNO₃ (v/v) contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-U-WS	\$ 113
	QC	QC-U-WS	\$ 105
	RR	RR-U-WS	\$ 130

Analyte	Concentration
Uranium	3.0-104 µg/L

WS Strontium

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with 4% HNO₃ (v/v) contained in a 24 mL clear glass vial.

Part Numbers	QC	QC-SR-WS
	RR	RR-SR-WS

Analyte	Concentration
Strontium	50 - 3000 µg/L

Minerals / Nutrients

WS Total & Dissolved Organic Carbon

Store at 4 °C

Provided as a >20 mL concentrate in water preserved with trace H₂SO₄ contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-TOC-WS
	QC	QC-TOC-WS
	RR	RR-TOC-WS

Analyte	Concentration
Total Organic Carbon	1.3-13 mg/L
Dissolved Organic Carbon (DOC)	1.3-13 mg/L

WS Minerals/Conductivity Set

This complete set includes both WS Minerals 1 and Conductivity bottles.

Part Numbers	PT	PT-MINSET-WS
	QC	QC-MINSET-WS
	RR	RR-MINSET-WS

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WS Minerals

Store at 20 - 25 °C

Provided as a 500 mL ready to use standard in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-MIN-WS
	QC	QC-MIN-WS
	RR	RR-MIN-WS

Analyte	Concentration
Alkalinity as CaCO ₃	25-200 mg/L
Calcium	30-90 mg/L
Calcium Hardness as CaCO ₃	75-225 mg/L
Total Hardness as CaCO ₃	83-307 mg/L
Magnesium	2-20 mg/L
Potassium	10-40 mg/L
Sodium	12-50 mg/L
Total Filterable Residue	100-1000 mg/L

WS Conductivity

Store at 20 - 25 °C

Provided as a 100 mL ready to use standard in water contained in a 125 mL poly bottle.

Part Numbers	PT	PT-COND-WS
	QC	QC-COND-WS
	RR	RR-COND-WS

Analyte	Concentration
Specific Conductance	130-1300 µmhos/cm

Anions / Disinfection By-Products

WS Inorganic Disinfections By-Products Set

This complete set includes WS IDB 1 and 2 vials.

Part Numbers	PT	PT-IDBSET-WS
	QC	QC-IDBSET-WS
	RR	RR-IDBSET-WS

WS IDB 1 - Bromide and Bromate

Store at 4 °C

Provided as a > 20 mL concentrate in water contained in a 24 mL amber glass vial.

Part Numbers	PT	PT-IDB1-WS
	QC	QC-IDB1-WS
	RR	RR-IDB1-WS

Analyte	Concentration
Bromate	7.0-50 µg/L
Bromide	50-300 µg/L

WS IDB 2 - Chlorite and Chlorate

Store at 4 °C

Provided as a > 20 mL concentrate in water contained in a 24 mL amber glass vial.

Part Numbers	PT	PT-IDB2-WS
	QC	QC-IDB2-WS
	RR	RR-IDB2-WS

Analyte	Concentration
Chlorite	100-1000 µg/L
Chlorate	60-180 µg/L

WS Anions Set

This complete set includes WS Anions 1 vial and WS Anions 2 ampoule.

Part Numbers	PT	PT-ANSET-WS
	QC	QC-ANSET-WS
	RR	RR-ANSET-WS

WS Anions 1

Store at 4 °C

Provided as a > 20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-AN1-WS
	QC	QC-AN1-WS
	RR	RR-AN1-WS

Analyte	Concentration
Chloride	20-160 mg/L
Fluoride	1.0-8.0 mg/L
Nitrate as N	3.0-10 mg/L
Nitrate and Nitrite as N	3.0-10 mg/L
Orthophosphate as P	0.50-5.5 mg/L
Sulfate	25-250 mg/L

WS Anions 2 - Nitrite as N

Store at 4 °C

Provided as a 5 mL concentrate in water flame sealed in a 5 mL amber ampoule.

Part Numbers	PT	PT-AN2-WS
	QC	QC-AN2-WS
	RR	RR-AN2-WS

Analyte	Concentration
Nitrite as N	0.40-2.0 mg/L

Properties

WS UV 254

Store at 4 °C

Provided as a > 20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-UV-WS
	QC	QC-UV-WS
	RR	RR-UV-WS

Analyte	Concentration
UV 254 Absorbance	0.050-0.70 cm-1

WS Turbidity

Store at 20-25 °C

Provided as a > 20 mL concentrate in water preserved with trace NaOCl contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-TURB-WS
	QC	QC-TURB-WS
	RR	RR-TURB-WS

Analyte	Concentration
Turbidity	0.50-8.0 NTU

WS Solids

Store at 20-25 °C

Provided as a 500 mL ready to use standard in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-SOL-WS
	QC	QC-SOL-WS
	RR	RR-SOL-WS

Analyte	Concentration
Total Filterable Residue	100-1000 mg/L
Non-Filterable Residue (TSS)	23-100 mg/L
Total Solids	223-1100 mg/L

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WS Conductivity

Store at 20 - 25 °C

Provided as a 100 mL ready to use standard in water contained in a 125 mL poly bottle.

Part Numbers	PT	PT-COND-WS
	QC	QC-COND-WS
	RR	RR-COND-WS

Analyte	Concentration
Specific Conductance	130-1300 µmhos/cm

WS Color (Non-TNI/State Specific)

Store at 20 - 25 °C

Provided as a 24 mL clear glass vial containing at a minimum 21 mL of standard concentrate. The standard is preserved with 1%-7% hydrochloric acid (HCL).

Part Numbers	PT	PT-COL-WS
	QC	QC-COL-WS
	RR	RR-COL-WS

Analyte	Concentration
Color	10-75 CU

WS Corrosivity (Langelier Index)

Store at 20-25 °C

Provided as a 500 mL ready to use standard in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-CORR-WS
	QC	QC-CORR-WS
	RR	RR-CORR-WS

Analyte	Concentration
Corrosivity (Langelier Index)	-4.0 - +4.0 SI units

Miscellaneous**WS Cyanide**

Store at 4 °C

Provided as a 20 mL concentrate in water preserved with approximately 0.20% (w/v) potassium hydroxide (KOH) contained in a 20 mL amber glass vial.

Part Numbers	PT	PT-CN-WS
	QC	QC-CN-WS
	RR	RR-CN-WS

Analyte	Concentration
Cyanide	0.10-0.50 mg/L

WS Residual Chlorine

Store at 4 °C

Provided as a 5 mL concentrate in water flame sealed in a 5 mL amber ampoule.

Part Numbers	PT	PT-CL-WS
	QC	QC-CL-WS
	RR	RR-CL-WS

Analyte	Concentration
Residual Free Chlorine	0.50-3.0 mg/L
Total Residual Chlorine	0.50-3.0 mg/L

WS pH

Store at 20-25 °C

Provided as a 100 mL ready to use standard in water contained in a 125 mL poly bottle.

Part Numbers	PT	PT-PH-WS
	QC	QC-PH-WS
	RR	RR-PH-WS

Analyte	Concentration
pH	5.0-10 SI Units.

WS Surfactants as MBAS

Store at 20-25 °C

Provided as a > 20 mL concentrate in water contained in a 23 mL clear glass vial.

Part Numbers	PT	PT-MBAS-WS
	QC	QC-MBAS-WS
	RR	RR-MBAS-WS

Analyte	Concentration
Surfactants - MBAS	0.10-1.0 mg/L

WS Silica

Store at 20-25 °C

Provided as a 250 mL ready to use standard in water contained in a 250 mL poly bottle.

Part Numbers	PT	PT-SIO2-WS
	QC	QC-SIO2-WS
	RR	RR-SIO2-WS

Analyte	Concentration
Silica as SiO ₂	5.0-75 mg/L

WS Perchlorate

Store at 4 °C

Provided as a > 20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-PERC-WS
	QC	QC-PERC-WS
	RR	RR-PERC-WS

Analyte	Concentration
Perchlorate	4.0-20 µg/L

WS Perchlorate-Massachusetts (Non-TNI/State Specific)

Store at 20-25 °C

Provided as 2 x 100 mL ready to use standards in water each contained in a 125 mL poly bottle.

Part Numbers	PT	PT-MAPERC-WS
	QC	QC-MAPERC-WS
	RR	RR-MAPERC-WS

Analyte	Concentration
Perchlorate	0.80-1.5 µg/L

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Water Supply

ORGANIC

Phenova WS Organic Standards are provided as concentrates ready to dilute to produce your final samples in sufficient amounts for at least two methods, unless otherwise noted. All standards are compliant with EPA, TNI and/or state specific criteria.

Herbicides

WS Herbicides

Store at 4 °C

Provided as a 2 mL concentrate in acetonitrile flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-HERB-WS
	QC	QC-HERB-WS
	RR	RR-HERB-WS

Analyte	Concentration
Acifluorfen	10-100 µg/L
Bentazon	10-140 µg/L
Chloramben	20-100 µg/L
2,4-D	10-100 µg/L
2,4-DB	20-120 µg/L
Dacthal diacid (DCPA)	20-100 µg/L
Dalapon	10-100 µg/L
Dicamba	20-100 µg/L
3,5-Dichlorobenzoic acid	10-100 µg/L
Dichlorprop	10-100 µg/L
Dinoseb	7.0-70 µg/L
5-Hydroxydicamba	1.0-100 µg/L
4-Nitrophenol	1.0-100 µg/L
Pentachlorophenol	1.0-25 µg/L
Picloram	10-100 µg/L
2,4,5-T	10-100 µg/L
2,4,5-TP (Silvex)	10-100 µg/L

Organic Disinfection By-Products

WS Organic Disinfection By-Products

Store at 4 °C

Provided as a > 1.2 mL concentrate in MTBE flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-ODB-WS
	QC	QC-ODB-WS
	RR	RR-ODB-WS

Analyte	Concentration
Bromochloroacetic Acid	5.0-50 µg/L
Dibromoacetic Acid	5.0-50 µg/L
Dichloroacetic Acid	5.0-50 µg/L
Monobromoacetic Acid	5.0-50 µg/L
Monochloroacetic Acid	10-50 µg/L
Trichloroacetic Acid	5.0-50 µg/L

Polychlorinated Biphenyls (PCBs)

WS PCBs as Decachlorobiphenyl

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-DECA-WS
	QC	QC-DECA-WS
	RR	RR-DECA-WS

Analyte	Concentration
PCBs as decachlorobiphenyl	0.50-5.0 µg/L
PCB Aroclor Identification	N/A
Aroclor 1016	0.26-2.6 µg/L
Aroclor 1221	0.19-1.9 µg/L
Aroclor 1232	0.23-2.3 µg/L
Aroclor 1242	0.26-2.60 µg/L
Aroclor 1248	0.299-2.99 µg/L
Aroclor 1254	0.329-3.29 µg/L
Aroclor 1260	0.36-3.6 µg/L

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Pesticides

WS Pesticides

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PEST-WS
	QC	QC-PEST-WS
	RR	RR-PEST-WS

Analyte	Concentration
Alachlor	2.0-20 µg/L
Aldrin	0.20-2.5 µg/L
Atrazine	2.0-20 µg/L
Bromacil	2.0-20 µg/L
Butachlor	2.0-20 µg/L
Chlorothalonil	0.50-30 µg/L
Diazinon	0.50-30 µg/L
Dieldrin	0.50-2.5 µg/L
Dimethoate	0.50-30 µg/L
Endrin	0.20-2.5 µg/L
Heptachlor	0.20-2.5 µg/L
Heptachlor Epoxide (beta)	0.20-2.5 µg/L
Hexachlorobenzene	0.50-5.0 µg/L
Hexachlorocyclopentadiene	2.0-20 µg/L
Lindane	0.20-2.5 µg/L
Methoxychlor	2.0-20 µg/L
Metolachlor	2.0-20 µg/L
Metribuzin	2.0-20 µg/L
Molinate	5.0-50 µg/L
Prometon	0.50-30 µg/L
Prometryn	0.50-30 µg/L
Propachlor	1.0-10 µg/L
Simazine	2.0-20 µg/L
Thiobencarb	0.50-30 µg/L
Trifluralin	1.0-10 µg/L

WS Chlordane

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-CHLR-WS
	QC	QC-CHLR-WS
	RR	RR-CHLR-WS

Analyte	Concentration
Chlordane (total)	2.0-20 µg/L

WS Carbamates

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-CARB-WS
	QC	QC-CARB-WS
	RR	RR-CARB-WS

Analyte	Concentration
Aldicarb	15-100 µg/L
Aldicarb Sulfone	15-100 µg/L
Aldicarb Sulfoxide	15-80 µg/L
Baygon	30-140 µg/L
Carbaryl	15-100 µg/L
Carbofuran	15-150 µg/L
3-Hydroxycarbofuran	15-80 µg/L
Methiocarb	30-140 µg/L
Methomyl	15-100 µg/L
Oxamyl (Vydate)	15-100 µg/L

WS Toxaphene

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-TXP-WS
	QC	QC-TXP-WS
	RR	RR-TXP-WS

Analyte	Concentration
Toxaphene (total)	2.0-20 µg/L

Semi-Volatiles

WS Semi-Volatiles 1

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-SV1-WS
	QC	QC-SV1-WS
	RR	RR-SV1-WS

Analyte	Concentration
Acenaphthene	1.0-10 µg/L
Acenaphthylene	1.0-10 µg/L
Anthracene	1.0-10 µg/L
Benzo(a)anthracene	1.0-10 µg/L
Benzo(b)fluoranthene	1.0-10 µg/L
Benzo(k)fluoranthene	1.0-10 µg/L
Benzo(g,h,i)perylene	1.0-10 µg/L
Benzo(a)pyrene	0.20-2.5 µg/L
Butyl benzyl phthalate	10-50 µg/L
Chrysene	1.0-10 µg/L
Di-n-butylphthalate	10-50 µg/L
Dibenz(a,h)anthracene	1.0-10 µg/L
Di(2-ethylhexyl)adipate	8.0-50 µg/L
Di(2-ethylhexyl)phthalate	5.0-50 µg/L
Diethylphthalate	10-50 µg/L
Dimethylphthalate	10-50 µg/L
Fluoranthene	1.0-10 µg/L
Fluorene	1.0-10 µg/L
Indeno(1,2,3-cd)pyrene	1.0-10 µg/L
1-Methylnaphthalene	10-50 µg/L
2-Methylnaphthalene	10-50 µg/L
Naphthalene	2.0-50 µg/L
Di-n-octylphthalate	10-50 µg/L
Phenanthrene	1.0-10 µg/L
Pyrene	1.0-10 µg/L

WS Semi-Volatiles 2 - Herbicides

Store at 4 °C

Provided as a 2 mL concentrate in water flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-SV2HERB-WS
	QC	QC-SV2HERB-WS
	RR	RR-SV2HERB-WS

Analyte	Concentration
Endothall	80-500 µg/L
Glyphosate	375-800 µg/L
Diquat	8.0-40 µg/L
Paraquat	8.0-100 µg/L

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WS Chloral Hydrate (Non-TNI/State Specific)

Store at 4 °C

Provided as a 2 mL concentrate in acetonitrile flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-CH-WS
	QC	QC-CH-WS
	RR	RR-CH-WS

Analyte	Concentration
Chloral Hydrate	4.0-30 µg/L

WS Dioxin

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed amber ampoule.

Part Numbers	PT	PT-DIOX-WS
	QC	QC-DIOX-WS
	RR	RR-DIOX-WS

Analyte	Concentration
2,3,7,8-TCDD	20-100 pg/L

Volatiles**WS 1,2,3-Trichloropropane (Low Level)**

Store at 4 °C

Provided as a > 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	QC	QC-TCPLL-WS
	RR	RR-TCPLL-WS

Analyte	Concentration
1,2,3-Trichloropropane	5.0-150 ng/L

WS California Additions

Store at 4 °C

Provided as a > 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-CAL-WS
	QC	QC-CAL-WS
	RR	RR-CAL-WS

Analyte	Concentration
4-Methyl-2-pentanone (MIBK)	5.0-50 µg/L
Carbon Disulfide	5.0-50 µg/L

WS EDB/DBCP/TCP

Store at 4 °C

Provided as a > 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-EDBCP-WS
	QC	QC-EDBCP-WS
	RR	RR-EDBCP-WS

Analyte	Concentration
1,2-Dibromo-3-chloropropane (DBCP)	0.10-2.0 µg/L
Ethylene Dibromide (EDB)	0.050-2.0 µg/L
1,2,3-Trichloropropane	0.20-2.0 µg/L

WS Gasoline Additives (Non-TNI/State Specific)

Store at 4 °C

Provided as a > 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-ADD-WS
	QC	QC-ADD-WS
	RR	RR-ADD-WS

Analyte	Concentration
DIPE	5.0-50 µg/L
ETBE	5.0-50 µg/L
Freon 11	5.0-50 µg/L
Freon 113	5.0-50 µg/L
MTBE	5.0-50 µg/L
1-Phenylpropane	5.0-50 µg/L
TAME	5.0-50 µg/L
tert-Butyl-alcohol	5.0-50 µg/L

WS Unregulated Volatiles

Store at 4 °C

Provided as a > 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-UNRVOA-WS
	QC	QC-UNRVOA-WS
	RR	RR-UNRVOA-WS

Analyte	Concentration
Bromobenzene	2.0-20 µg/L
Bromochloromethane	2.0-20 µg/L
Bromomethane	5.0-50 µg/L
n-Butylbenzene	2.0-20 µg/L
sec-Butylbenzene	2.0-20 µg/L
tert-Butylbenzene	2.0-20 µg/L
Chloroethane	5.0-50 µg/L
Chloromethane	5.0-50 µg/L
2-Chlorotoluene	2.0-20 µg/L
4-Chlorotoluene	2.0-20 µg/L
Dibromomethane	2.0-20 µg/L
1,3-Dichlorobenzene	2.0-20 µg/L
Dichlorodifluoromethane	5.0-50 µg/L
1,1-Dichloroethane	2.0-20 µg/L
1,3-Dichloropropane	2.0-20 µg/L
2,2-Dichloropropane	2.0-20 µg/L
1,1-Dichloropropene	2.0-20 µg/L
cis-1,3-Dichloropropene	2.0-20 µg/L
trans-1,3-Dichloropropene	2.0-20 µg/L
Fluorotrichloromethane	5.0-50 µg/L
Hexachlorobutadiene	5.0-50 µg/L
Isopropylbenzene	2.0-20 µg/L
4-Isopropyltoluene	2.0-20 µg/L
Methyl-tert-butyl ether (MTBE)	5.0-50 µg/L
Naphthalene	5.0-50 µg/L
n-Propylbenzene	2.0-20 µg/L
1,1,1,2-Tetrachloroethane	2.0-20 µg/L
1,1,2,2-Tetrachloroethane	2.0-20 µg/L
1,2,3-Trichlorobenzene	5.0-50 µg/L
1,2,3-Trichloropropane	2.0-20 µg/L
1,2,4-Trimethylbenzene	2.0-20 µg/L
1,3,5-Trimethylbenzene	2.0-20 µg/L

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WS Regulated Volatiles

Store at 4 °C

Provided as a > 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-RVOA-WS
	QC	QC-RVOA-WS
	RR	RR-RVOA-WS

Analyte	Concentration
Benzene	2.0-20 µg/L
Carbon Tetrachloride	2.0-20 µg/L
Chlorobenzene	2.0-20 µg/L
1,2-Dichlorobenzene	2.0-20 µg/L
1,4-Dichlorobenzene	2.0-20 µg/L
1,2-Dichloroethane	2.0-20 µg/L
1,1-Dichloroethylene	2.0-20 µg/L
cis-1,2-Dichloroethylene	2.0-20 µg/L
trans-1,2-Dichloroethylene	2.0-20 µg/L
Dichloromethane (Methylene Chloride)	2.0-20 µg/L
1,2-Dichloropropane	2.0-20 µg/L
Ethylbenzene	2.0-20 µg/L
Styrene	2.0-20 µg/L
Tetrachloroethylene	2.0-20 µg/L
Toluene	2.0-20 µg/L
1,2,4-Trichlorobenzene	2.0-20 µg/L
1,1,1-Trichloroethane	2.0-20 µg/L
1,1,2-Trichloroethane	2.0-20 µg/L
Trichloroethylene	2.0-20 µg/L
Vinyl Chloride	2.0-50 µg/L
Total Xylenes	2.0-50 µg/L

WS Trihalomethanes

Store at 4 °C

Provided as a > 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-THM-WS
	QC	QC-THM-WS
	RR	RR-THM-WS

Analyte	Concentration
Bromodichloromethane	5.0-50 µg/L
Bromoform	5.0-50 µg/L
Chlorodibromomethane	5.0-50 µg/L
Chloroform	5.0-50 µg/L
Total Trihalomethanes	20-200 µg/L

WS PFAS

Store at 4 °C

Provided as a > 1 mL concentrate in methanol flame sealed in a 2 mL amber ampoule

Part Numbers	PT	PT-PFAS-WS
	QC	QC-PFAS-WS
	RR	RR-PFAS-WS

Analyte	Concentration
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	10-200 ng/L
9-Chloro hexadecane fluoro-3-oxanone-1-sulfonic acid (9Cl-PF30NS)	10-200 ng/L
11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	10-200 ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	10-200 ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	10-200 ng/L
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	10-200 ng/L
Hexafluoropropylene oxide diamer acid (HFPO-DA)	10-200 ng/L
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	10-200 ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	10-200 ng/L
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10-200 ng/L
Perfluorobutanoic acid (PFBA)	10-200 ng/L
Nonafluorobutane-1-sulfonic acid (PFBS)	10-200 ng/L
Perfluorodecanoic acid (PFDA)	10-200 ng/L
Perfluorododecanoic acid (PFDoA)	10-200 ng/L
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	10-200 ng/L
Perfluoroheptanoic acid (PFHpA)	10-200 ng/L
Perfluoroheptanesulfonic acid (PFHpS)	10-200 ng/L
Perfluorohexanoic acid (PFHxA)	10-200 ng/L
Perfluorohexanesulfonic acid (PFHxS)	10-200 ng/L
Perfluoro(3-methoxypropionic) acid (PFMPA)	10-200 ng/L
Perfluoro(4-methoxybutanoic) acid (PFMBA)	10-200 ng/L
Perfluorononanoic acid (PFNA)	10-200 ng/L
Pentadecafluorooctanoic acid (PFOA)	10-200 ng/L
Perfluorooctane sulfonic acid (PFOS)	10-200 ng/L
Perfluoropentanoic acid (PFPeA)	10-200 ng/L
Perfluoropentanesulfonic acid (PFPeS)	10-200 ng/L
Perfluorotetradecanoic acid (PFTeA)	10-200 ng/L
Perfluorotridecanoic acid (PFTrDA)	10-200 ng/L
Perfluoroundecanoic acid (PFUnA)	10-200 ng/L

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Microbiological

Whole Volume

Phenova Microbiological Standards are offered as 100mL realistic whole-volume standards to save you time and allow your laboratory to run PT standards as they are intended - as normal, everyday samples.

Water Pollution Micro (WPM)

WP Micro Quantitative

Store at 4 °C

Provided as a 100 mL whole volume, ready to use standard in a 100 mL sterile clear plastic bottle. Used with all promulgated methods including MF, MPN-Multiple Well.

Part Numbers	PT	PT-MIC-WP
	QC	QC-MIC-WP
	RR	RR-MIC-WP

Analyte	Concentration
Fecal Coliform, MF	20-2400 CFU/100 mL
Total Coliform, MF	20-2400 CFU/100 mL
<i>E. Coli</i> , MF	20-2400 CFU/100 mL
Fecal Coliform, MPN - Multiple Well	20-2400 MPN/100 mL
Total Coliform, MPN - Multiple Well	20-2400 MPN/100 mL
<i>E. Coli</i> , MPN - Multiple Well	20-2400 MPN/100 mL

WP Micro Quantitative - Multiple Tube

Store at 4 °C

Provided as a 100 mL whole volume, ready to use standard in a 100 mL sterile clear plastic bottle. Used with MPN-Multiple Tube methods.

Part Numbers	PT	PT-MICT-WP
	QC	QC-MICT-WP

Analyte	Concentration
Fecal Coliform, MPN - Multiple Tube	20-2400 MPN/100 mL
Total Coliform, MPN - Multiple Tube	20-2400 MPN/100 mL
<i>E. Coli</i> , MPN - Multiple Tube	20-2400 MPN/100 mL

WP Enterococci/Fecal Streptococci

Store at 4 °C

Provided as a 100 mL whole volume, ready to use standard in a 100 mL sterile clear plastic bottle. Used with Membrane Filtration (MF) and MPN-Multiple Well methods

Part Numbers	PT	PT-ENT-WP
	QC	QC-ENT-WP
	RR	RR-ENT-WP

Analyte	Concentration
Enterococci, MF	20-1000 CFU/100 mL
Enterococci, MPN - Multiple Well	20-1000 MPN/100 mL
Fecal streptococci, MF	20-1000 CFU/100 mL
Fecal streptococci, MPN	20-1000 MPN/100 mL

WP Enterococci/Fecal Streptococci - Multiple Tube

Store at 4 °C

Provided as a 100 mL whole volume, ready to use standard in a 100 mL sterile clear plastic bottle. Used with MPN-Multiple Tube methods.

Part Numbers	PT	PT-ENTT-WP
	QC	QC-ENTT-WP

Analyte	Concentration
Enterococci, MPN - Multiple Tube	20-1000 MPN/100 mL
Fecal streptococci, MPN	20-1000 MPN/100 mL

WP Heterotrophic Plate Count (Non-TNI/State Specific)

Store at 4 °C

Provided as a 100 mL whole volume, ready to use standard in a 100 mL sterile clear plastic bottle. Quantitative sample for standard plate count methods. Can be used with both pour plate and Simplate methods.

Part Numbers	PT	PT-HPC-WP
	QC	QC-HPC-WP
	RR	RR-HPC-WP

Analyte	Concentration
Heterotrophic Plate Count (MF, PP)	5.0-500 CFU/mL
Heterotrophic Plate Count (MPN)	5.0-500 MPN/mL

Biosolids Micro - Class A (Non-TNI/State Specific)

Store at 4 °C

Provided as 100 mL micro spiking media in a 100 mL sterile clear plastic bottle along with 10 g biosolid blank matrix also in a 100 mL sterile, clear, plastic bottle. Standard can be used with all promulgated methods.

Part Numbers	PT	PT-MICA-WP
	QC	QC-MICA-WP
	RR	RR-MICA-WP

Analyte	Concentration
Fecal Coliform, MF	50-1000 CFU/g
Total Coliform, MF	50-1000 CFU/g
<i>E. Coli</i> , MF	50-1000 CFU/g
Fecal Coliform, MPN	50-1000 MPN/g
Total Coliform, MPN	50-1000 MPN/g
<i>E. Coli</i> , MPN	50-1000 MPN/g

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Biosolids Micro - Class B (Non-TNI/State Specific)

Store at 4 °C

Provided as 100 mL micro spiking media in a 100 mL sterile clear plastic bottle along with 10 g biosolid blank matrix also in a 100 mL sterile, clear, plastic bottle. Standard can be used with all promulgated methods.

Part Numbers	PT	PT-MICB-WP
	QC	QC-MICB-WP
	RR	RR-MICB-WP

Analyte	Concentration
Fecal Coliform, MF	50000-500000 CFU/g
Total Coliform, MF	50000-500000 CFU/g
<i>E. Coli</i> , MF	50000-500000 CFU/g
Fecal Coliform, MPN	50000-500000 MPN/g
Total Coliform, MPN	50000-500000 MPN/g
<i>E. Coli</i> , MPN	50000-500000 MPN/g

Water Supply Micro (WSM)**WS Heterotrophic Plate Count**

Store at 4 °C

Provided as a 100 mL whole volume, ready to use standard in a 100 mL sterile clear plastic bottle. Quantitative sample for standard plate count methods. Can be used with both pour plate and Simplate methods.

Part Numbers	PT	PT-HPC-WS
	QC	QC-HPC-WS
	RR	RR-HPC-WS

Analyte	Concentration
Heterotrophic Plate Count (MF, PP)	5.0-500 CFU/mL
Heterotrophic Plate Count (MPN)	5.0-500 MPN/mL

WS Micro Presence/Absence Quantitative Set

Set comprised of a Micro Presence/Absence set and a WS Source Water standard. Provided as 100 mL whole volume ready to use standard in a 100 mL sterile clear plastic bottle.

Part Numbers	PT	PT-MICQSET-WS
	QC	QC-MICQSET-WS
	RR	RR-MICQSET-WS

WS Micro Presence/Absence

Provided as a 10 set of 100 mL whole volume, ready to use standards in 100 mL sterile clear plastic bottles. Used with all promulgated methods including MF, MPN, Quantitray, Colilert, Colisure and chromogenic methods. QC version is a 4 sample set.

Part Numbers	PT	PT-MIC-WS
	QC	QC-MIC4-WS
	RR	RR-MIC-WS

WS Source Water

Store at 4 °C

Provided as a 100 mL whole volume, ready to use standard in a 100 mL sterile clear plastic bottle. Used with all promulgated methods including MF, MPN, Quantitray, Colilert, Colisure and chromogenic methods.

Part Numbers	PT	PT-SW-WS
	QC	QC-SW-WS
	RR	RR-SW-WS

Analyte	Concentration
Fecal Coliform, MF	20-200 CFU/100 mL
<i>E. Coli</i> , MF	20-200 CFU/100 mL
Total Coliform, MF	20-200 CFU/100 mL
Fecal Coliform, MPN - Multiple Well	20-200 MPN/100 mL
<i>E. Coli</i> , MPN - Multiple Well	20-200 MPN/100 mL
Total Coliform, MPN - Multiple Well	20-200 MPN/100 mL

WS Source Water - Multiple Tube

Store at 4 °C

Provided as a 100 mL whole volume, ready to use standard in a 100 mL sterile clear plastic bottle. Used with MPN-Multiple Tube methods.

Part Numbers	PT	PT-SWT-WS
	QC	QC-SWT-WS

Analyte	Concentration
Fecal Coliform, MPN - Multiple Tube	20-200 MPN/100 mL
<i>E. Coli</i> , MPN - Multiple Tube	20-200 MPN/100 mL
Total Coliform, MPN - Multiple Tube	20-200 MPN/100 mL

WS Enterococci-Massachusetts Compliant (Non-TNI/State Specific)

Store at 4 °C

Provided as a 10 set of 100 mL whole volume, ready to use standards. Compliant with Massachusetts requirement for ground water monitoring as specified in the Federal Ground Water Rule. QC version supplied as a three sample set. *Reported as Absence/Presence for 10 standards.*

Part Numbers	PT	PT-ENTMA-WS
	QC	QC-ENTMA-WS
	RR	RR-ENTMA-WS

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DMR-QA

Chemistry, Micro and WET standards from one source!

Phenova is one of the few approved providers that offers every Discharge Monitoring Report- Quality Assurance (DMR-QA) standard that you need. We manufacture and analytically verify every standard we sell to ensure you receive unsurpassed quality and exceptional customer service throughout.

Note: For Corrective Action, contact info@phenova.com

Chemistry Standards

Demand

DMR-QA Demand

Store at 4 °C

Provided as a minimum 21 mL of standard concentrate preserved with 0.5% (v/v) H₂SO₄ contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-DEM-DMRQA
	QC	QC-DEM-DMRQA

Analyte	Concentration
BOD	18-230 mg/L
CBOD	18-230 mg/L
COD	30-250 mg/L
TOC	6.0-100 mg/L

Metals

DMR-QA Trace Metals Set

This complete set includes DMR-QA Trace Metals 1 and Mercury vials.

Part Numbers	PT	PT-TMSET-DMRQA
	QC	QC-TMSET-DMRQA

DMR-QA Trace Metals 1

Store at 20-25 °C

Provided as a > 20 mL concentrate in water preserved with 5% HNO₃ (v/v) contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-TM1-DMRQA
	QC	QC-TM1-DMRQA

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

DMR-QA Mercury

Store at 20-25 °C

Provided as a > 20 mL concentrate preserved with approximately 1% (v/v) nitric acid (HNO₃) + 10 ppm hexavalent chromium contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-HG-DMRQA
	QC	QC-HG-DMRQA

Analyte	Concentration
Mercury	3.0-30 µg/L

DMR-QA Mercury - Low Level

Store at 20-25 °C

Provided as a > 20 mL concentrate in water preserved with 1-2% HNO₃ (v/v) + 10 ppm Cr⁶⁺ contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-HGLL-DMRQA
	QC	QC-HGLL-DMRQA

Analyte	Concentration
Mercury	20-100 ng/L

DMR-QA Hexavalent Chromium

Store at 20 - 25 °C

Provided as a > 20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-CR6-DMRQA
	QC	QC-CR6-DMRQA

Analyte	Concentration
Chromium VI	90-900 µg/L

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Minerals / Nutrients

DMR-QA Minerals Set

This complete set includes DMR-QA Minerals, Hardness, and Conductivity containers. DMR-QA.

Part Numbers	PT	PT-MINSET-DMRQA
	QC	QC-MINSET-DMRQA

DMR-QA Minerals 1

Store at 20-25 °C
Provided as a 500 mL ready to use standard in water contained in a 500 mL poly bottle.
This standard is not preserved.

Part Numbers	PT	PT-MIN1-DMRQA
	QC	QC-MIN1-DMRQA

Analyte	Concentration
Total Alkalinity (CaCO ₃)	25-400 mg/L
Bromide	1.0-10 mg/L
Chloride	35-275 mg/L
Fluoride	0.40-4.0 mg/L
Sulfate	5.0-125 mg/L
Total Inorganic Carbon	2.5-100 mg/L

DMR-QA Minerals 2

Store at 20-25 °C
Provided as a 500 mL ready to use standard in water contained in a 500 mL poly bottle.
This standard is not preserved with acid.

Part Numbers	PT	PT-MIN2-DMRQA
	QC	QC-MIN2-DMRQA

Analyte	Concentration
Calcium	10-110 mg/L
Calcium Hardness (as CaCO ₃)	25-250 mg/L
Magnesium	4.0-40 mg/L
Potassium	4.0-40 mg/L
Sodium	10-100 mg/L
Total Hardness (as CaCO ₃)	40-415 mg/L

DMR-QA Conductivity

Store at 20-25 °C
Provided as a 100 mL ready to use standard in water contained in a 125 mL poly bottle.

Part Numbers	PT	PT-COND-DMRQA
	QC	QC-COND-DMRQA

Analyte	Concentration
Specific Conductance (25 °C)	200-1200 µmhos/cm

DMR-QA Nutrients Set

This complete set includes DMR-QA Nutrients 1 (Simple), 2 (Complex), and 3 (Nitrite).

Part Numbers	PT	PT-NUTSET-DMRQA
	QC	QC-NUTSET-DMRQA

DMR-QA Nutrients 1 - Simple Nutrients

Store at 4 °C
This standard is packaged in a 24 mL clear glass vial containing at a minimum 21 mL of standard concentrate. The standard is not preserved.

Part Numbers	PT	PT-NUT1-DMRQA
	QC	QC-NUT1-DMRQA

Analyte	Concentration
Ammonia as N	1.0-20 mg/L
Dissolved Nitrogen	0.25-60 mg/L
Nitrate as N	2.0-25 mg/L
Nitrate and Nitrite as N	2.5-25 mg/L
Orthophosphate as P	0.5-5.5 mg/L
Total Dissolved Phosphorous	0.5-5.5 mg/L
Total Nitrogen	0.25-60 mg/L

DMR-QA Nutrients 2 - Complex Nutrients

Store at 4 °C
The standard is packaged in a 24 mL amber glass vial containing approximately 20 mL of standard concentrate. The standard is preserved to a pH of 8 with NaOH.

Part Numbers	PT	PT-NUT2-DMRQA
	QC	QC-NUT2-DMRQA

Analyte	Concentration
Total Kjeldahl Nitrogen (TKN)	3.0-35 mg/L
Total Phosphorus	0.5-10 mg/L

DMR-QA Nutrients 3 - Nitrite

Store at 4 °C
Provided as a 5 mL concentrate in water flame sealed in a 5 mL amber ampoule.

Part Numbers	PT	PT-NUT3-DMRQA
	QC	QC-NUT3-DMRQA

Analyte	Concentration
Nitrite as N	0.40-4.0 mg/L

Oil & Grease

DMR-QA Oil & Grease

Store at 20-25 °C
Provided as a > 20 mL concentrate in n propanol contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-OGR-DMRQA
	QC	QC-OGR-DMRQA

Analyte	Concentration
Oil & Grease	20-200 mg/L

DMR-QA Oil & Grease 1L

Store at 20-25 °C
Provided as a 1 L ready to use standard in water preserved with 0.1% HCl contained in a 32 oz clear glass bottle.

Part Numbers	PT	PT-OGR1L-DMRQA
	QC	QC-OGR1L-DMRQA

Analyte	Concentration
Oil & Grease	20-200 mg/L

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Properties

DMR-QA Settleable Solids

Store at 20-25 °C
Provided as a solid material in a 40 mL vial.

Part Numbers	PT	PT-SSOL-DMRQA
	QC	QC-SSOL-DMRQA

Analyte	Concentration
Settleable Solids	5.0-50 mL/L

DMR-QA Solids

Store at 20-25 °C
Provided as a 500 mL ready to use standard in water 500 mL poly bottle.

Part Numbers	PT	PT-SOL-DMRQA
	QC	QC-SOL-DMRQA

Analyte	Concentration
Total Dissolved Solids at 180° (TFR)	140-800 mg/L
Total Solids	140-800 mg/L
Non-Filterable Residue (TSS)	20-100 mg/L

DMR-QA Turbidity

Store at 20-25 °C
Provided as a minimum 21 mL concentrate preserved with trace NaOCl contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-TURB-DMRQA
	QC	QC-TURB-DMRQA

Analyte	Concentration
Turbidity	2.0-30 NTU

DMR-QA Conductivity

Store at 20-25 °C
Provided as a 100 mL ready to use standard in water contained in a 125 mL poly bottle.

Part Numbers	PT	PT-COND-DMRQA
	QC	QC-COND-DMRQA

Analyte	Concentration
Specific Conductance (25° C)	200-1200 µmhos/cm

Micro Standards

Micro

DMR-QA Microbiology Total & Fecal

Part Numbers	PT	PT-MIC-DMRQA
	QC	QC-MIC-DMRQA

Analyte	Concentration
Fecal Coliform, MF	20-2400 CFU/100mL
Total Coliform, MF	20-2400 CFU/100mL
E. Coli, MF	20-2400 CFU/100mL
Fecal Coliform, MPN	20-2400 MPN/100mL
Total Coliform, MPN	20-2400 MPN/100mL
E. Coli, MPN	20-2400 MPN/100mL

Miscellaneous

DMR-QA Total Cyanide

Store at 20-25 °C
Provided as a > 20 mL concentrate in water preserved with NaOH to pH > 10 contained in a 24 mL amber glass vial.

Part Numbers	PT	PT-CN-DMRQA
	QC	QC-CN-DMRQA

Analyte	Concentration
Total Cyanide	0.10-1.0 mg/L

DMR-QA pH

Store at 20-25 °C
Provided as a minimum 100 mL ready to use standard in water contained in a 125 mL poly bottle.

Part Numbers	PT	PT-PH-DMRQA
	QC	QC-PH-DMRQA

Analyte	Concentration
pH	5.0-10 SI Units

DMR-QA Phenolics

Store at 4 °C
Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PHEN-DMRQA
	QC	QC-PHEN-DMRQA

Analyte	Concentration
Total Phenolics (4AAP)	0.50-5 mg/L

DMR-QA Residual Chlorine

Store at 4 °C
Provided as a minimum 4 mL concentrate in water flame sealed in a 5 mL amber glass ampoule.

Part Numbers	PT	PT-CL-DMRQA
	QC	QC-CL-DMRQA

Analyte	Concentration
Total Residual Chlorine	0.50-3.0 mg/L

DMR-QA Residual Chlorine - Low Level

Store at 4 °C
Provided as a minimum 4 mL concentrate in water flame sealed in a 5 mL amber glass ampoule.

Part Numbers	PT	PT-CLLL-DMRQA
	QC	QC-CLLL-DMRQA

Analyte	Concentration
Total Residual Chlorine	50-250 µg/L

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WET Standards

Fathead Minnow

WET Fathead Minnow Test 13/Method 2000

Store at 20-25 °C

48-hr acute, non-renewal, 25 °C, mod-hard synthetic freshwater.

Provided as a 125 mL concentrate contained in a 125 mL poly bottle.

Part Numbers	PT	PT-13-WET
	QC	QC-13-WET

Analyte	Concentration
Fathead Minnow Acute MHSF 25° - LC50	6.25-100 S.U.

WET Fathead Minnow Test 14/Method 2000

Store at 20 - 25 °C

48 hour acute, non-renewal, 25 °C, 20% diluted mineral water.

Provided as a 125 mL concentrate contained in a 125 mL poly bottle.

Part Numbers	PT	PT-14-WET
	QC	QC-14-WET

Analyte	Concentration
Fathead Minnow Acute 20% DMW 25°-LC50	6.25-100 S.U.

WET Fathead Minnow Test 15/Method 1000

Store at 20-25 °C

7-day short-term chronic, daily renewal, mod-hard syn freshwater.

Provided as a 500 mL concentrate in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-15-WET
	QC	QC-15-WET

Analyte	Concentration
Fathead Minnow Chronic MHSF - Survival NOEC	6.25-100 S.U.
Fathead Minnow Chronic MHSF - Growth IC25 (ON)	6.25-100 S.U.
Fathead Minnow Chronic MHSF - Growth NOEC (ON)	6.25-100 S.U.

WET Fathead Minnow Test 16/Method 1000

Store at 20 - 25 °C

7-day short-term chronic, daily renewal, 20% diluted mineral water.

Provided as a 500 mL concentrate in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-16-WET
	QC	QC-16-WET

Analyte	Concentration
Fathead Minnow Chronic 20% DMW - Survival NOEC	6.25-100 S.U.
Fathead Minnow Chronic 20% DMW - Growth IC25 (ON)	6.25-100 S.U.
Fathead Minnow Chronic 20% DMW - Growth NOEC (ON)	6.25-100 S.U.

Ceriodaphnia Dubia

WET Ceriodaphnia Test 19/Method 2002

Store at 20-25 °C

48-hr acute, renewal, 25 °C, mod-hard synthetic freshwater.

Provided as a 125 mL concentrate contained in a 125 mL poly bottle.

Part Numbers	PT	PT-19-WET
	QC	QC-19-WET

Analyte	Concentration
Ceriodaphnia Acute MHSF 25° - LC50	6.25-100 S.U.

WET Ceriodaphnia Test 20/Method 2002

Store at 20-25 °C

48-hr acute, renewal, 25 °C, 20% diluted mineral water.

Provided as a 125 mL concentrate contained in a 125 mL poly bottle.

Part Numbers	PT	PT-20-WET
	QC	QC-20-WET

Analyte	Concentration
Ceriodaphnia Acute 20% DMW 25° - LC50	6.25-100 S.U.

WET Ceriodaphnia Test 21/Method 1002

Store at 20-25 °C

7-day short-term chronic daily renewal, mod-hard syn freshwater.

Provided as a 500 mL concentrate contained in a 500 mL poly bottle.

Part Numbers	PT	PT-21-WET
	QC	QC-21-WET

Analyte	Concentration
Ceriodaphnia Chronic MHSF - Survival NOEC	6.25-100 S.U.
Ceriodaphnia Chronic MHSF - Reproduction IC25	6.25-100 S.U.
Ceriodaphnia Chronic MHSF - Reproduction NOEC	6.25-100 S.U.

WET Ceriodaphnia Test 22/Method 1002

Store at 20-25 °C

7-day short-term chronic renewal, 20% diluted mineral water.

Provided as a 500 mL concentrate contained in a 500 mL poly bottle

Part Numbers	PT	PT-22-WET
	QC	QC-22-WET

Analyte	Concentration
Ceriodaphnia Chronic 20% DMW - Survival NOEC	6.25-100 S.U.
Ceriodaphnia Chronic 20% DMW - Reproduction IC25	6.25-100 S.U.
Ceriodaphnia Chronic 20% DMW - Reproduction NOEC	6.25-100 S.U.

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Daphnia

WET Daphnia Test 32/Method 2021

Store at 20-25 °C

48-hr acute, non-renewal, 25 °C, mod-hard synthetic freshwater.

Provided as a 125 mL concentrate contained in a 125 mL poly bottle.

Part Numbers	PT	PT-32-WET
	QC	QC-32-WET

Analyte	Concentration
<i>Daphnia</i> Magna Acute MHSF 25° - LC50	6.25-100 S.U.

WET Daphnia Test 38/Method 2021

Store at 20-25 °C

48-hr acute, non-renewal, 25 °C, mod-hard synthetic freshwater.

Provided as a 125 mL concentrate contained in a 125 mL poly bottle.

Part Numbers	PT	PT-38-WET
	QC	QC-38-WET

Analyte	Concentration
<i>Daphnia</i> Pulex Acute MHSF 25° - LC50	6.25-100 S.U.

Mysid

WET Mysid Test 42/Method 2007

Store at 20-25 °C

48-hr acute, non-renewal, 25 °C, 40 fathoms artificial seawater.

Provided as a 125 mL concentrate in water contained in a 125 mL poly bottle.

Part Numbers	PT	PT-42-WET
	QC	QC-42-WET

Analyte	Concentration
<i>Mysid</i> Acute 40 F 25° - LC50	6.25-100 S.U.

WET Mysid Test 43/Method 1007

Store at 20-25 °C

7-day short-term chronic, daily renewal, 40 fathoms artificial seawater.

Provided as a 500 mL concentrate in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-43-WET
	QC	QC-43-WET

Analyte	Concentration
<i>Mysid</i> Chronic 40 F - Survival NOEC	6.25-100 S.U.
<i>Mysid</i> Chronic 40 F - Growth IC25 (ON)	6.25-100 S.U.
<i>Mysid</i> Chronic 40 F - Growth NOEC (ON)	6.25-100 S.U.

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Menidia

WET Menidia Test 44/Method 2006

Store at 20-25 °C

48-hr acute, non-renewal, 25 °C, 40 fathoms artificial seawater.

Provided as a 125 mL concentrate in water contained in a 125 mL poly bottle.

Part Numbers	PT	PT-44-WET
	QC	QC-44-WET

Analyte	Concentration
<i>Menidia</i> Acute 40 F 25° - LC50	6.25-100 S.U.

WET Menidia Test 45/Method 1006

Store at 20-25 °C

7-day short-term chronic, daily renewal, 40 fathoms artificial seawater.

Provided as a 1000 mL concentrate in water contained in a 1000 mL poly bottle.

Part Numbers	PT	PT-45-WET
	QC	QC-45-WET

Analyte	Concentration
<i>Menidia</i> Chronic 40 F - Survival NOEC	6.25-100 S.U.
<i>Menidia</i> Chronic 40 F - Growth IC25 (ON)	6.25-100 S.U.
<i>Menidia</i> Chronic 40 F - Growth NOEC (ON)	6.25-100 S.U.

Sheepshead Minnow

WET Sheepshead Minnow Test 46/Method 2004

Store at 20-25 °C

48-hr acute, non-renewal, 25 °C, 40 fathoms artificial seawater.

Provided as a 250 mL concentrate in water contained in a 250 mL poly bottle.

Part Numbers	PT	PT-46-WET
	QC	QC-46-WET

Analyte	Concentration
Sheepshead Minnow Acute 40 F 25° - LC50	6.25-100 S.U.

WET Sheepshead Minnow Test 47/Method 1004

Store at 20-25 °C

7-day short-term chronic, daily renewal, 40 fathoms artificial seawater.

Provided as a 1 L concentrate in water contained in a 1 L poly bottle.

Part Numbers	PT	PT-47-WET
	QC	QC-47-WET

Analyte	Concentration
Sheepshead Minnow Chronic 40 F Survival NOEC	6.25-100 S.U.
Sheepshead Minnow Chronic 40 F Growth IC25 (ON)	6.25-100 S.U.
Sheepshead Minnow Chronic 40 F Growth NOEC (ON)	6.25-100 S.U.

Biosolids/Sludge

Biosolids are falling under more environmental regulation both internationally and domestically. The Phenova Whole-Volume Biosolids Studies allow your laboratory to work with the same sample type that you see daily. The analyte lists include anions, and trace metals. Our matrix preparation ensures that each standard is homogenous, both in terms of the matrix and the fortified analytes, so you aren't left to wonder if it is a true biosolids sample.

Chemistry

Biosolids Anions (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-AN-SLD
	QC	QC-AN-SLD
	RR	RR-AN-SLD

Analyte	Concentration
Bromide	10-50000 mg/kg
Chloride	10-50000 mg/kg
Fluoride	100-50000 mg/kg
Nitrate as N	10-50000 mg/kg
Orthophosphate as P	10-50000 mg/kg
Sulfate	10-50000 mg/kg

Properties

Biosolids Corrosivity/pH (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-CORR-SLD
	QC	QC-CORR-SLD
	RR	RR-CORR-SLD

Analyte	Concentration
Corrosivity (pH)	2.0-12 SI Units

Biosolids Solids (Non-TNI/State Specific)

Store at 4 °C

Provided as a 40 g pre-spiked biosolids matrix in a 4 oz glass jar.

Part Numbers	PT	PT-SOL-SLD
	QC	QC-SOL-SLD
	RR	RR-SOL-SLD

Analyte	Concentration
Total Solids	50.0-95.0 %
Percent Moisture	5.0-90.0 %
Volatile Solids	2.5-70.0 %
Fixed Solids	5.0-90.0 %

Nutrients / Minerals

Biosolids Nutrients (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-NUT-SLD
	QC	QC-NUT-SLD
	RR	RR-NUT-SLD

Analyte	Concentration
Ammonia as N	1000-30000 mg/kg
Total Kjeldahl Nitrogen (TKN)	15000-200000 mg/kg
Total Phosphorous	15000-100000 mg/kg

Metals

Biosolids Trace Metals (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a 10 g pre-spiked biosolids matrix in a 2 oz glass jar.

Part Numbers	PT	PT-MET-SLD
	QC	QC-MET-SLD
	RR	RR-MET-SLD

Analyte	Concentration
Aluminum	1000-50000 mg/kg
Antimony	80-300 mg/kg
Arsenic	40-400 mg/kg
Barium	59-3000 mg/kg
Beryllium	30-400 mg/kg
Boron	80-800 mg/kg
Cadmium	40-400 mg/kg
Calcium	1500-50000 mg/kg
Chromium	40-400 mg/kg
Cobalt	30-400 mg/kg
Copper	40-2500 mg/kg
Iron	1000-50000 mg/kg
Lead	40-400 mg/kg
Magnesium	1200-25000 mg/kg
Manganese	100-2000 mg/kg
Mercury	1.0-50 mg/kg
Molybdenum	5.0-300 mg/kg
Nickel	40-500 mg/kg
Potassium	1400-25000 mg/kg
Selenium	40-400 mg/kg
Silver	20-250 mg/kg
Sodium	150-15000 mg/kg
Thallium	40-400 mg/kg
Tin	75-250 mg/kg
Vanadium	40-400 mg/kg
Zinc	70-1500 mg/kg

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Soil/Hazardous Waste

INORGANIC

Phenova Soil/HW PT standards are 100 % dry weight, so percent moisture analysis is not required. In addition to saving time with these convenient standards, your lab can also decrease costs by switching to Phenova Soil/HW PT standards. These standards are provided in sufficient amounts for at least two methods unless otherwise noted. All standards are compliant with EPA, TNI and/or state specific criteria.

Metals

SOIL/HW Trace Metals

Store at 20-25 °C

Provided as a 10 g pre-spiked soil matrix in a 2 oz. glass jar.

Part Numbers	PT	PT-MET-SOIL
	QC	QC-MET-SOIL
	RR	RR-MET-SOIL

Analyte	Concentration
Aluminum	2500-25000 mg/kg
Antimony	80-300 mg/kg
Arsenic	40-400 mg/kg
Barium	100-1000 mg/kg
Beryllium	40-400 mg/kg
Boron	80-800 mg/kg
Cadmium	40-400 mg/kg
Calcium	1500-25000 mg/kg
Chromium	40-400 mg/kg
Cobalt	40-400 mg/kg
Copper	40-400 mg/kg
Iron	5000-50000 mg/kg
Lead	40-400 mg/kg
Lithium	1-250 mg/kg
Magnesium	1200-25000 mg/kg
Manganese	100-2000 mg/kg
Mercury	1.0-35 mg/kg
Molybdenum	30-300 mg/kg
Nickel	40-500 mg/kg
Potassium	1400-25000 mg/kg
Selenium	40-400 mg/kg
Silver	20-100 mg/kg
Sodium	150-15000 mg/kg
Strontium	40-400 mg/kg
Thallium	40-400 mg/kg
Tin	50-250 mg/kg
Titanium	40-1000 mg/kg
Uranium	20-100 mg/kg
Vanadium	40-400 mg/kg
Zinc	100-1000 mg/kg

SOIL/HW Hexavalent Chromium

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-CR6-SOIL
	QC	QC-CR6-SOIL
	RR	RR-CR6-SOIL

Analyte	Concentration
Chromium VI	40-300 mg/kg

SOIL/HW California WET Metals (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a > 20 g Ottawa sand matrix in a 40 mL vial with a > 20 mL spiking solution in water preserved with 2% HNO₃ (v/v) contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-CAWETMET-SOIL
	QC	QC-CAWETMET-SOIL
	RR	RR-CAWETMET-SOIL

Analyte	Concentration
Aluminum	1.0-40 mg/L
Antimony	0.80-10 mg/L
Arsenic	0.70-10 mg/L
Barium	0.9-25 mg/L
Beryllium	0.050-10 mg/L
Boron	7.0-20 mg/L
Cadmium	0.050-10 mg/L
Chromium	0.10-10 mg/L
Cobalt	0.20-10 mg/L
Copper	0.40-10 mg/L
Iron	1.0-40 mg/L
Lead	0.50-30 mg/L
Manganese	0.50-40 mg/L
Molybdenum	0.50-6.0 mg/L
Nickel	0.50-30 mg/L
Selenium	0.50-20 mg/L
Silver	0.20-10 mg/L
Strontium	0.30-5.0 mg/L
Thallium	0.50-10 mg/L
Vanadium	0.50-20 mg/L
Zinc	1.0-20 mg/L

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SOIL/TCLP Metals (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a >100 mL concentrate in water preserved with 2% HNO₃ contained in a 125 mL poly bottle.

Part Numbers	PT	PT-TCLPMET-SOIL
	QC	QC-TCLPMET-SOIL
	RR	RR-TCLPMET-SOIL

Analyte	Concentration
Antimony	1.0-5.0 mg/L
Arsenic	1.0-5.0 mg/L
Barium	1.0-5.0 mg/L
Beryllium	1.0-5.0 mg/L
Boron	1.0-5.0 mg/L
Cadmium	1.0-5.0 mg/L
Chromium	1.0-5.0 mg/L
Cobalt	1.0-5.0 mg/L
Copper	1.0-5.0 mg/L
Lead	1.0-5.0 mg/L
Mercury	0.10-3.0 mg/L
Nickel	1.0-5.0 mg/L
Selenium	1.0-5.0 mg/L
Silver	1.0-5.0 mg/L
Thallium	1.0-5.0 mg/L
Zinc	1.0-5.0 mg/L

Minerals / Nutrients**SOIL/HW Nitrite as N (Non-TNI/State Specific)**

Store at 4 °C

Provided as a 20 g Ottawa sand matrix in a 40 mL vial with a 5 mL spiking solution in water flame sealed in a 5 mL amber ampoule.

Part Numbers	PT	PT-NO2-SOIL
	QC	QC-NO2-SOIL
	RR	RR-NO2-SOIL

Analyte	Concentration
Nitrite as N	10-500 mg/kg

SOIL/HW Nutrients

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-NUT-SOIL
	QC	QC-NUT-SOIL
	RR	RR-NUT-SOIL

Analyte	Concentration
Ammonia as N	300-3000 mg/kg
Total Kjeldahl Nitrogen (TKN)	400-4000 mg/kg
Total Organic Carbon (TOC)	1000-15000 mg/kg
Total Phosphorous	300-3000 mg/kg

Oil & Grease**SOIL/HW Oil & Grease**

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-OGR-SOIL
	QC	QC-OGR-SOIL
	RR	RR-OGR-SOIL

Analyte	Concentration
Oil & Grease (n-Hexane Extractable material)	300-3000 mg/kg

Have questions?

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SOIL/HW Total Petroleum Hydrocarbons

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-TPH-SOIL
	QC	QC-TPH-SOIL
	RR	RR-TPH-SOIL

Analyte	Concentration
Total Petroleum Hydrocarbons	300-3000 mg/kg

Properties**SOIL/HW Corrosivity/pH**

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-CORR-SOIL
	QC	QC-CORR-SOIL
	RR	RR-CORR-SOIL

Analyte	Concentration
Corrosivity (pH)	2.0-12 SI Units

SOIL/HW Flash Point

Store at 20-25 °C

Provided as a 90 mL ready to use standard contained in three 40 mL vials, each vial containing 30 mL of the standard.

Part Numbers	PT	PT-FP-SOIL
	QC	QC-FP-SOIL
	RR	RR-FP-SOIL

Analyte	Concentration
Ignitability (flashpoint)	100-200 °F

SOIL/HW Particle Size (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a 100 g ready to use standard in a 125 mL poly bottle.

Part Numbers	PT	PT-PSA-SOIL
	QC	QC-PSA-SOIL
	RR	RR-PSA-SOIL

Analyte	Concentration
Sand (>75 µm)	1.0-50 %

SOIL/HW Sand, Silt, and Clay (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a 100 g ready to use standard in a 125 mL poly bottle.

Part Numbers	PT	PT-SSC-SOIL
	QC	QC-SSC-SOIL
	RR	RR-SSC-SOIL

Analyte	Concentration
Sand	1.0-99 %
Silt	1.0-99 %
Clay	1.0-99 %

SOIL/HW Solids (Non-TNI/State Specific)

Store at 4 °C

Provided as a 40 g pre-spiked soil matrix in a 4 oz glass jar.

Part Numbers	PT	PT-SOL-SOIL
	QC	QC-SOL-SOIL
	RR	RR-SOL-SOIL

Analyte	Concentration
Total Solids	70-90 %
Fixed Solids	50-100 %
Volatile Solids	5.0-20 %
Percent Moisture	10-30 %

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Miscellaneous

SOIL/HW Total Organic Halides (Non-TNI/State Specific)

Store at 4 °C

Provided as a 20 g pre-spiked soil matrix flame sealed in a >20 mL amber ampoule.

Part Numbers	QC	QC-TOX-SOIL
	RR	RR-TOX-SOIL

Analyte	Concentration
Total Organic Halides (TOX)	50-500 mg/kg

SOIL/HW Anions

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-AN-SOIL
	QC	QC-AN-SOIL
	RR	RR-AN-SOIL

Analyte	Concentration
Bromide	10-100 mg/kg
Chloride	200-1000 mg/kg
Fluoride	25-500 mg/kg
Nitrate as N	25-500 mg/kg
Orthophosphate as P	25-500 mg/kg
Sulfate	25-2000 mg/kg

SOIL/HW Cyanide

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-CN-SOIL
	QC	QC-CN-SOIL
	RR	RR-CN-SOIL

Analyte	Concentration
Cyanide, total	20-200 mg/kg

SOIL/HW Amenable Cyanide (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a 40 g Ottawa sand matrix in a 40 mL vial with a >20 mL spiking solution in water contained in a 23 mL amber glass vial.

Part Numbers	PT	PT-CNA-SOIL
	QC	QC-CNA-SOIL
	RR	RR-CNA-SOIL

Analyte	Concentration
Amenable Cyanide	10-50 mg/kg

SOIL/HW Reactive Cyanide (Non-TNI/State Specific)

Store at 4 °C

Provided as a 40 g Ottawa sand matrix in a 40 mL vial with a >20 mL spiking solution in water contained in a 23 mL amber glass vial.

Part Numbers	PT	PT-CNR-SOIL
	QC	QC-CNR-SOIL
	RR	RR-CNR-SOIL

Analyte	Concentration
Reactive Cyanide	10-50 mg/kg

SOIL/HW Reactive Sulfide (Non-TNI/State Specific)

Store at 4 °C

Provided as a 20 g Ottawa sand matrix in a 40 mL vial with a >20 mL spiking solution in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-S2R-SOIL
	QC	QC-S2R-SOIL
	RR	RR-S2R-SOIL

Analyte	Concentration
Reactive Sulfide	50-1500 mg/kg

SOIL/HW Total Sulfide (Non-TNI/State Specific)

Store at 4 °C

Provided as a 20 g Ottawa sand matrix in a 40 mL vial with a >20 mL spiking solution in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-S2T-SOIL
	QC	QC-S2T-SOIL
	RR	RR-S2T-SOIL

Analyte	Concentration
Total Sulfide	200-1000 mg/kg

SOIL/HW Perchlorate (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a 40 g pre-spiked soil matrix in a 2 oz glass jar.

Part Numbers	PT	PT-PERC-SOIL
	QC	QC-PERC-SOIL
	RR	RR-PERC-SOIL

Analyte	Concentration
Perchlorate	100-500 µg/kg

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Soil/Hazardous Waste

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Phenova Soil/HW PT standards are 100% dry weight, so percent moisture analysis is not required. In addition to saving time with these convenient standards, your lab can also decrease costs by switching to Phenova Soil/HW PT standards. All standards are compliant with EPA, TNI and/or state specific criteria. TCLP standards include RCRA specified analytes. These standards are provided in sufficient amounts for at least two methods, unless otherwise noted.

Volatiles

SOIL/HW Volatiles

Store at 4 °C

Provided as a > 10 g soil matrix in a 40 mL VOA vial with a > 1 mL spiking solution in methanol flame sealed in a 2 mL amber ampoule.

Part Number	PT	PT-VOA-SOIL
	QC	QC-VOA-SOIL
	RR	RR-VOA-SOIL

Analyte	Concentration
Acetone	200-1000 µg/kg
Acetonitrile	50-200 µg/kg
Acrolein	20-200 µg/kg
Acrylonitrile	20-200 µg/kg
Benzene	20-200 µg/kg
Bromobenzene	40-200 µg/kg
Bromochloromethane	20-200 µg/kg
Bromodichloromethane	20-200 µg/kg
Bromoform	20-200 µg/kg
Bromomethane	80-200 µg/kg
2-Butanone (MEK)	100-500 µg/kg
n-Butylbenzene	20-200 µg/kg
sec-Butylbenzene	20-200 µg/kg
tert-Butylbenzene	20-200 µg/kg
Carbon disulfide	20-200 µg/kg
Carbon tetrachloride	20-200 µg/kg
Chloroacetaldehyde	20-200 µg/kg
Chlorobenzene	20-200 µg/kg
Chlorodibromomethane	20-200 µg/kg
Chloroethane	80-200 µg/kg
bis(2-Chloroethyl)ether	20-200 µg/kg
bis(2-Chloroethoxy)methane	20-200 µg/kg
bis(2-Chloroisopropyl)ether	20-200 µg/kg
2-Chloroethylvinylether	20-200 µg/kg
Chloroform	20-200 µg/kg
Chloromethane	80-200 µg/kg
2-Chlorotoluene	20-200 µg/kg
4-Chlorotoluene	20-200 µg/kg
1,2-Dibromo-3-chloropropane (DBCP)	40-200 µg/kg
1,2-Dibromoethane (EDB)	40-200 µg/kg
Dibromomethane	20-200 µg/kg
1,2-Dichlorobenzene	20-200 µg/kg
1,3-Dichlorobenzene	20-200 µg/kg
1,4-Dichlorobenzene	20-200 µg/kg
Dichlorodifluoromethane	80-200 µg/kg
1,1-Dichloroethane	20-200 µg/kg
1,2-Dichloroethane	20-200 µg/kg
1,1-Dichloroethene	40-200 µg/kg
cis-1,2-Dichloroethene	40-200 µg/kg
trans-1,2-Dichloroethene	40-200 µg/kg

Analyte	Concentration
1,2-Dichloropropane	20-200 µg/kg
1,3-Dichloropropane	20-200 µg/kg
2,2-Dichloropropane	20-200 µg/kg
1,1-Dichloropropene	20-200 µg/kg
cis-1,3-Dichloropropene	40-200 µg/kg
trans-1,3-Dichloropropene	40-200 µg/kg
DIPE	20-200 µg/kg
Ethylbenzene	20-200 µg/kg
Hexachloroethane	20-200 µg/kg
Hexachlorobutadiene	20-200 µg/kg
2-Hexanone	80-400 µg/kg
Isopropylbenzene	40-200 µg/kg
p-Isopropyltoluene	20-200 µg/kg
Methylene chloride (Dichloromethane)	20-200 µg/kg
Methyl-tert-butyl ether (MTBE)	20-200 µg/kg
4-Methyl-2-pentanone (MIBK)	80-400 µg/kg
Naphthalene	40-200 µg/kg
n-Propylbenzene	20-200 µg/kg
Styrene	40-200 µg/kg
TAME	20-200 µg/kg
1,1,1,2-Tetrachloroethane	20-200 µg/kg
1,1,2,2-Tetrachloroethane	20-200 µg/kg
Tetrachloroethene	20-200 µg/kg
Toluene	20-200 µg/kg
1,2,3-Trichlorobenzene	20-200 µg/kg
1,2,4-Trichlorobenzene	40-200 µg/kg
1,1,1-Trichloroethane	20-200 µg/kg
1,1,2-Trichloroethane	20-200 µg/kg
Trichloroethene	20-200 µg/kg
Trichlorofluoromethane	80-200 µg/kg
1,2,3-Trichloropropane	40-200 µg/kg
1,2,4-Trimethylbenzene	20-200 µg/kg
1,3,5-Trimethylbenzene	20-200 µg/kg
Vinyl acetate	20-200 µg/kg
Vinyl chloride	80-200 µg/kg
m+p-Xylene	20-200 µg/kg
o-Xylene	20-200 µg/kg
Xylenes, total	40-400 µg/kg

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Volatiles *Cont'd*

SOIL/HW VOA-GC

Store at 4 °C

Provided as a > 10 g soil matrix in a 40 mL VOA vial with a > 1 mL spiking solution in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-VOAGC-SOIL
	QC	QC-VOAGC-SOIL
	RR	RR-VOAGC-SOIL

Analyte	Concentration
Benzene	20-200 µg/kg
Chlorobenzene	20-200 µg/kg
1,2-Dichlorobenzene	20-200 µg/kg
1,3-Dichlorobenzene	20-200 µg/kg
1,4-Dichlorobenzene	20-200 µg/kg
Ethylbenzene	20-200 µg/kg
Isopropylbenzene	40-200 µg/kg
Methyl-tert-butyl ether (MTBE)	20-200 µg/kg
Naphthalene	40-200 µg/kg
1,2,4-Trimethylbenzene	20-200 µg/kg
1,3,5-Trimethylbenzene	20-200 µg/kg
Toluene	20-200 µg/kg
m+p-Xylene	20-200 µg/kg
o-Xylene	20-200 µg/kg
Xylenes, total	40-400 µg/kg

SOIL/HW Medium Level Volatiles

Store at 4 °C

Provided as a 5 g pre-spiked soil matrix and 5 mL methanol flame sealed in a 10 mL amber ampoule.

Part Numbers	PT	PT-VOAM-SOIL
	QC	QC-VOAM-SOIL
	RR	RR-VOAM-SOIL

Analyte	Concentration
Acetone	4000-20000 µg/kg
Acetonitrile	5000-15000 µg/kg
Acrolein	1000-15000 µg/kg
Acrylonitrile	1000-10000 µg/kg
Benzene	1000-10000 µg/kg
Bromobenzene	2000-10000 µg/kg
Bromochloromethane	1000-10000 µg/kg
Bromodichloromethane	1000-10000 µg/kg
Bromoform	1000-10000 µg/kg
Bromomethane	2000-10000 µg/kg
2-Butanone (MEK)	4000-20000 µg/kg
n-Butylbenzene	1000-10000 µg/kg
sec-Butylbenzene	1000-10000 µg/kg
tert-Butylbenzene	1000-10000 µg/kg
Carbon disulfide	1000-15000 µg/kg
Carbon tetrachloride	1000-10000 µg/kg
Chloroacetaldehyde	1000-15000 µg/kg
Chlorobenzene	1000-10000 µg/kg
Chlorodibromomethane	1000-10000 µg/kg
Chloroethane	2000-10000 µg/kg
bis(2-Chloroethyl)ether	1000-15000 µg/kg
bis(2-Chloroethoxy)methane	1000-15000 µg/kg
2,2'-Oxybis(1-chloropropane)	1000-15000 µg/kg
2-Chloroethylvinylether	1000-15000 µg/kg
Chloroform	1000-10000 µg/kg
Chloromethane	2000-10000 µg/kg
2-Chlorotoluene	1000-10000 µg/kg
4-Chlorotoluene	1000-10000 µg/kg
1,2-Dibromo-3-chloropropane (DBCP)	2000-10000 µg/kg
1,2-Dibromoethane(EDB)	2000-10000 µg/kg
Dibromomethane	2000-10000 µg/kg
1,2-Dichlorobenzene	1000-10000 µg/kg
1,3-Dichlorobenzene	1000-10000 µg/kg

Analyte

Concentration

1,4-Dichlorobenzene	1000-10000 µg/kg
Dichlorodifluoromethane	2000-10000 µg/kg
1,1-Dichloroethane	1000-10000 µg/kg
1,2-Dichloroethane	1500-10000 µg/kg
1,1-Dichloroethene	2000-10000 µg/kg
cis-1,2-Dichloroethene	2000-10000 µg/kg
trans-1,2-Dichloroethene	2000-10000 µg/kg
1,2-Dichloropropane	2000-10000 µg/kg
1,3-Dichloropropane	1000-10000 µg/kg
2,2-Dichloropropane	1000-10000 µg/kg
1,1-Dichloropropene	1000-10000 µg/kg
cis-1,3-Dichloropropene	2000-10000 µg/kg
trans-1,3-Dichloropropene	2000-10000 µg/kg
DIPE	1000-10000 µg/kg
Ethylbenzene	1000-10000 µg/kg
Freon 113	1000-15000 µg/kg
Hexachlorobutadiene	1500-15000 µg/kg
Hexachloroethane	1500-15000 µg/kg
2-Hexanone	4000-20000 µg/kg
Isopropylbenzene	2000-10000 µg/kg
p-Isopropyltoluene	1000-10000 µg/kg
Methylene chloride (Dichloromethane)	1000-10000 µg/kg
2-Methylnaphthalene	1000-12000 µg/kg
Methyl-tert-butyl ether (MTBE)	2000-10000 µg/kg
4-Methyl-2-pentanone (MIBK)	4000-20000 µg/kg
Naphthalene	2000-10000 µg/kg
Nitrobenzene	1500-15000 µg/kg
n-Propylbenzene	1000-15000 µg/kg
Styrene	2000-10000 µg/kg
TAME	1000-10000 µg/kg
1,1,1,2-Tetrachloroethane	1000-10000 µg/kg
1,1,2,2-Tetrachloroethane	1500-10000 µg/kg
Tetrachloroethene	1000-10000 µg/kg
Toluene	1000-10000 µg/kg
1,2,3-Trichlorobenzene	1000-10000 µg/kg
1,2,4-Trichlorobenzene	2000-10000 µg/kg
1,2,3-Trichloropropane	1500-10000 µg/kg
1,1,1-Trichloroethane	1000-10000 µg/kg
1,1,2-Trichloroethane	1000-10000 µg/kg
Trichloroethene	1000-10000 µg/kg
Trichlorofluoromethane	2000-10000 µg/kg
1,2,4-Trimethylbenzene	1000-10000 µg/kg
1,3,5-Trimethylbenzene	1000-10000 µg/kg
Vinyl acetate	1000-15000 µg/kg
Vinyl chloride	2000-10000 µg/kg
m+p-Xylene	1000-10000 µg/kg
o-Xylene	1000-10000 µg/kg
Total Xylenes	2000-20000 µg/kg

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Have questions?

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SOIL/HW VOA-GC Medium Level

Store at 4 °C

Provided as a 5 g pre-spiked soil matrix and 5 mL methanol flame sealed in a 10 mL amber ampoule.

Part Numbers	PT	PT-VOAMGC-SOIL
	QC	QC-VOAMGC-SOIL
	RR	RR-VOAMGC-SOIL

Analyte	Concentration
1,2,4-Trimethylbenzene	1000-10000 µg/kg
1,2-Dichlorobenzene	1000-10000 µg/kg
1,3,5-Trimethylbenzene	1000-10000 µg/kg
1,3-Dichlorobenzene	1000-10000 µg/kg
1,4-Dichlorobenzene	1000-10000 µg/kg
Benzene	1000-10000 µg/kg
Chlorobenzene	1000-10000 µg/kg
Ethylbenzene	1000-10000 µg/kg
Isopropylbenzene	2000-10000 µg/kg
Methyl-tert-butyl ether (MTBE)	2000-10000 µg/kg
Naphthalene	2000-10000 µg/kg
Toluene	1000-10000 µg/kg
m+p-Xylene	1000-10000 µg/kg
o-Xylene	1000-10000 µg/kg
Xylenes, total	2000-10000 µg/kg

SOIL/HW BTEX

Store at 4 °C

Provided as a > 10 g soil matrix in a 40 mL VOA vial with a > 1 mL spiking solution in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-BTEX-SOIL
	QC	QC-BTEX-SOIL
	RR	RR-BTEX-SOIL

Analyte	Concentration
Benzene	20-200 µg/kg
Ethylbenzene	20-200 µg/kg
Methyl-tert-butyl ether (MTBE)	20-200 µg/kg
Toluene	20-200 µg/kg
m+p-Xylene	20-200 µg/kg
o-Xylene	20-200 µg/kg
Xylenes, total	40-400 µg/kg

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Semi-Volatiles**SOIL/HW BNAs**

Store at 4 °C

Provided as 2 x 30 g pre-spiked soil matrix flame sealed in 20 mL amber ampoules.

Part Numbers	PT	PT-BNA-SOIL
	QC	QC-BNA-SOIL
	RR	RR-BNA-SOIL

Analyte	Concentration
Acenaphthene	1000-12000 µg/kg
Acenaphthylene	1000-12000 µg/kg
2-Amino-1-methylbenzene	500-10000 µg/kg
Aniline	500-10000 µg/kg
Anthracene	1000-12000 µg/kg
Benzo(a)anthracene	1000-12000 µg/kg
Benzo(b)fluoranthene	1000-12000 µg/kg
Benzo(k)fluoranthene	1000-12000 µg/kg
Benzo(g,h,i)perylene	1000-12000 µg/kg
Benzo(a)pyrene	1000-12000 µg/kg
Benzidine	500-10000 µg/kg
Benzoic acid	500-10000 µg/kg
Benzotrichloride	500-10000 µg/kg
Benzyl alcohol	500-10000 µg/kg
Benzyl chloride	500-10000 µg/kg
4-Bromophenyl-phenylether	1500-15000 µg/kg
Butyl benzyl phthalate	1500-15000 µg/kg
Carbazole	500-10000 µg/kg
4-Chloroaniline	500-10000 µg/kg
4-Chloro-3-methylphenol	1500-15000 µg/kg
Bis(2-chloroethoxy)methane	1500-15000 µg/kg
Bis(2-chloroethyl)ether	1500-15000 µg/kg
2,2'-Oxybis(1-chloropropane)	1500-15000 µg/kg
1-Chloronaphthalene	500-10000 µg/kg
2-Chloronaphthalene	1000-10000 µg/kg
2-Chlorophenol	1500-15000 µg/kg
4-Chlorophenyl-phenylether	1500-15000 µg/kg
Chrysene	1000-12000 µg/kg
Dibenzo(a,h)anthracene	1000-12000 µg/kg
Dibenzofuran	1500-15000 µg/kg
Di-n-butylphthalate	1500-15000 µg/kg
1,2-Dichlorobenzene	1500-15000 µg/kg
1,3-Dichlorobenzene	1500-15000 µg/kg
1,4-Dichlorobenzene	1500-15000 µg/kg
3,3'-Dichlorobenzidine	500-10000 µg/kg
2,4-Dichlorophenol	1500-15000 µg/kg
2,6-Dichlorophenol	1500-15000 µg/kg
Diethylphthalate	1500-15000 µg/kg
2,4-Dimethylphenol	3000-15000 µg/kg
Dimethylphthalate	1500-15000 µg/kg
2,4-Dinitrophenol	3000-15000 µg/kg
2,4-Dinitrotoluene	1500-15000 µg/kg
2,6-Dinitrotoluene	1500-15000 µg/kg
Di-n-octylphthalate	1500-15000 µg/kg
bis(2-ethylhexyl) phthalate	1500-15000 µg/kg
Fluoranthene	1000-12000 µg/kg
Fluorene	1000-12000 µg/kg
Hexachlorobenzene	1500-15000 µg/kg
Hexachlorobutadiene	1500-15000 µg/kg
Hexachlorocyclohexane	500-10000 µg/kg
Hexachlorocyclopentadiene	1500-15000 µg/kg
Hexachloroethane	1500-15000 µg/kg
Indeno(1,2,3-cd)pyrene	1000-12000 µg/kg
Isophorone	1500-15000 µg/kg
2-Methyl-4,6-Dinitrophenol	3000-15000 µg/kg
2-Methylnaphthalene	1000-12000 µg/kg
2-Methylphenol	3000-15000 µg/kg
4-Methylphenol (and/or 3-Methylphenol)	3000-15000 µg/kg
Naphthalene	1000-12000 µg/kg
2-Nitroaniline	500-10000 µg/kg
3-Nitroaniline	500-10000 µg/kg

Semi-Volatiles Soil HW/BNAsm Cont'd

Analyte	Concentration
4-Nitroaniline	500-10000 µg/kg
Nitrobenzene	1500-15000 µg/kg
2-Nitrophenol	3000-15000 µg/kg
3-Nitrophenol	500-10000 µg/kg
4-Nitrophenol	3000-15000 µg/kg
N-Nitrosodiethylamine	1500-15000 µg/kg
N-Nitrosodimethylamine	1500-15000 µg/kg
N-Nitrosodiphenylamine	1500-15000 µg/kg
N-Nitroso-di-n-propylamine	1500-15000 µg/kg
Pentachlorobenzene	500-10000 µg/kg
Pentachlorophenol	3000-15000 µg/kg
Phenanthrene	1000-12000 µg/kg
Phenol	1500-15000 µg/kg
Pyrene	1000-12000 µg/kg
Pyridine	500-10000 µg/kg
1,2,3,4-Tetrachlorobenzene	500-10000 µg/kg
1,2,3,5-Tetrachlorobenzene	500-10000 µg/kg
1,2,4,5-Tetrachlorobenzene	500-10000 µg/kg
2,3,4,5-Tetrachlorophenol	500-10000 µg/kg
2,3,4,6-Tetrachlorophenol	500-10000 µg/kg
1,2,3-Trichlorobenzene	500-10000 µg/kg
1,2,4-Trichlorobenzene	1500-15000 µg/kg
1,3,5-Trichlorobenzene	500-10000 µg/kg
2,4,5-Trichlorophenol	1500-15000 µg/kg
2,4,6-Trichlorophenol	1500-15000 µg/kg

SOIL/HW Glycols (Non-TNI/State Specific)

Store at 4 °C

Provided as 2 x 30 g pre-spiked soil matrix sealed in 20 mL amber ampoules.

Part Numbers	PT	PT-GLYCOL-SOIL
	QC	QC-GLYCOL-SOIL
	RR	RR-GLYCOL-SOIL

Analyte	Concentration
Propylene glycol	75-200 µg/kg
Ethylene glycol	75-200 µg/kg
Diethylene glycol	75-200 µg/kg
Triethylene glycol	75-200 µg/kg
Tetraethylene glycol	75-200 µg/kg

SOIL/HW PFAS

Store at 4 °C

Provided as a >20 g blank soil matrix in a 20 mL flame sealed ampoule, with a >1 mL spiking solution in methanol, flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PFAS-SOIL
	QC	QC-PFAS-SOIL
	RR	RR-PFAS-SOIL

Analyte	Concentration
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	20-100 µg/kg
9-Chloro hexadecane fluoro-3-oxanone-1-sulfonic acid (9Cl-PF30NS)	20-100 µg/kg
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	20-100 µg/kg
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	20-100 µg/kg
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	20-100 µg/kg
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	20-100 µg/kg
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	20-100 µg/kg
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	20-100 µg/kg
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	20-100 µg/kg
Hexafluoropropylene oxide diame acid (HFPO-DA)	20-100 µg/kg
Perfluorododecanesulfonic acid (PFDoS)	20-100 µg/kg
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	20-100 µg/kg
N-ethylperfluorooctanesulfonamide (NEtFOSA)	20-100 µg/kg
N-ethylperfluorooctanesulfonamido)-ethanol (NEtFOSE)	20-100 µg/kg
Nonfluoro-3,6-dioxahexanoic acid (NFDHA)	20-100 µg/kg

Soli/HW PFAS Cont'd

Analyte	Concentration
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	20-100 µg/kg
N-methylperfluorooctanesulfonamide (NMeFOSA)	20-100 µg/kg
N-methylperfluorooctanesulfonamido)-ethanol (NMeFOSE)	20-100 µg/kg
Perfluorobutanoic acid (PFBA)	20-100 µg/kg
Nonfluorobutane-1-sulfonic acid (PFBS)	20-100 µg/kg
Perfluorodecanoic acid (PFDA)	20-100 µg/kg
Perfluorododecanoic acid (PFDoA)	20-100 µg/kg
Perfluorodecanesulfonic acid (PFDS)	20-100 µg/kg
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	20-100 µg/kg
Perfluoroheptanoic acid (PFHpA)	20-100 µg/kg
Perfluoroheptanesulfonic acid (PFHpS)	20-100 µg/kg
Perfluorohexanoic acid (PFHxA)	20-100 µg/kg
Perfluorohexanesulfonic acid (PFHxS)	20-100 µg/kg
Perfluoro(3-methoxypropionic) acid (PFMPA)	20-100 µg/kg
Perfluoro(4-methoxybutanoic) acid (PFMBA)	20-100 µg/kg
Perfluorononanoic acid (PFNA)	20-100 µg/kg
Perfluoro-1-Nonanesulfonic acid (PFNS)	20-100 µg/kg
Pentadecafluorooctanoic acid (PFOA)	20-100 µg/kg
Perfluorooctane sulfonic acid (PFOS)	20-100 µg/kg
Perfluorooctanesulfonamide (PFOSA)	20-100 µg/kg
Perfluoropentanoic acid (PFPeA)	20-100 µg/kg
Perfluoropentanesulfonic acid (PFPeS)	20-100 µg/kg
Perfluorotetradecanoic acid (PFTeA)	20-100 µg/kg
Perfluorotridecanoic acid (PFTeDA)	20-100 µg/kg
Perfluoroundecanoic acid (PFUnA)	20-100 µg/kg

Pesticides**SOIL/HW Carbamates (Non-TNI/State Specific)**

Store at 4 °C

Provided as 2 x 30 g pre-spiked soil matrix flame sealed in 20 mL amber ampoules.

Part Numbers	QC	QC-CARB-SOIL
	RR	RR-CARB-SOIL

Analyte	Concentration
Aldicarb	25-5000 µg/kg
Aldicarb sulfone	25-5000 µg/kg
Aldicarb sulfoxide	25-5000 µg/kg
Carbaryl	25-5000 µg/kg
Carbofuran	25-5000 µg/kg
Dioxacarb	25-5000 µg/kg
Diuron	25-5000 µg/kg
3-Hydroxycarbofuran	25-5000 µg/kg
Methiocarb	25-5000 µg/kg
Methomyl	25-5000 µg/kg
Oxamyl	25-5000 µg/kg
Propham	25-5000 µg/kg
Promecarb	25-5000 µg/kg
Propoxur	25-5000 µg/kg

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SOIL/HW Chlordane

Store at 4 °C

Provided as 2x30 g pre-spiked soil matrix flame sealed in 20 mL amber ampoules.

Part Numbers	PT	PT-CHLR-SOIL
	QC	QC-CHLR-SOIL
	RR	RR-CHLR-SOIL

Analyte	Concentration
Chlordane	100-1000 µg/kg

Soil/HW Nitrogen and Triazine Pesticide Set (Non-TNI/State Specific)

Store at 4 °C

This complete set includes both Soil Nitrogen and Triazine Pesticides.

Part Numbers	PT	PT-NPESTSET-SOIL
	QC	QC-NPESTSET-SOIL
	RR	RR-NPESTSET-SOIL

Analyte	Concentration
Ametryn	500-5000 µg/kg
Anilazine	1000-6000 µg/kg

SOIL/HW Nitrogen Pesticides (Non-TNI/State Specific)

Store at 4 °C

Provided as 2x30 g pre-spiked soil matrix flame sealed in 20 mL amber ampoules.

Part Numbers	PT	PT-NPEST-SOIL
	QC	QC-NPEST-SOIL
	RR	RR-NPEST-SOIL

Analyte	Concentration
Alachlor	500-5000 µg/kg
Bromacil	500-5000 µg/kg
Butachlor	500-5000 µg/kg
Butylate	500-5000 µg/kg
EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	500-5000 µg/kg
Hexazinone	500-5000 µg/kg
Metolachlor	500-5000 µg/kg
Metribuzin	500-5000 µg/kg
Napropamide	500-5000 µg/kg
Pronamide (Kerb)	500-5000 µg/kg
Propachlor (Ramrod)	500-5000 µg/kg
Terbacil	500-5000 µg/kg
Trifluralin	500-5000 µg/kg

SOIL/HW Triazine Pesticides (Non-TNI/State Specific)

Store at 4 °C

Provided as 2x30 g of pre-spiked standard in a 20 mL flame sealed ampoule.

Part Numbers	PT	PT-TRIAZINE-SOIL
	QC	QC-TRIAZINE-SOIL
	RR	RR-TRIAZINE-SOIL

Analyte	Concentration
Ametryn	500-5000 µg/kg
Anilazine	1000-6000 µg/kg
Atraton	500-5000 µg/kg
Atrazine	500-5000 µg/kg
Cyanazine	500-5000 µg/kg
Deethyl atrazine	500-5000 µg/kg
Deisopropyl atrazine	500-5000 µg/kg
Diamino atrazine	500-5000 µg/kg
Prometon	500-5000 µg/kg
Prometryn	500-5000 µg/kg
Propazine	500-5000 µg/kg
Simazine	500-5000 µg/kg

SOIL/HW OPPs (Non-TNI/State Specific)

Store at 4 °C

Provided as 2x30 g of pre-spiked standard in a 20 mL flame sealed ampoule.

Part Numbers	PT	PT-OPP-SOIL
	QC	QC-OPP-SOIL
	RR	RR-OPP-SOIL

Analyte	Concentration
Azinphos-methyl (Guthion)	100-1000 µg/kg
Chlorpyrifos	100-1000 µg/kg
Demeton-o	100-1000 µg/kg
Demeton-s	100-1000 µg/kg
Demeton O & S	200-2000 µg/kg
Diazinon	100-1000 µg/kg
Dichlorvos	100-1000 µg/kg
Disulfoton	100-1000 µg/kg
Malathion	100-1000 µg/kg
Parathion, ethyl	100-1000 µg/kg
Parathion, methyl	100-1000 µg/kg
Phorate	100-1000 µg/kg
Ronnel	100-1000 µg/kg
Stirophos	100-1000 µg/kg
Terbufos	100-1000 µg/kg

SOIL/HW Pesticides

Store at 4 °C

Provided as 2x30 g pre-spiked soil matrix flame sealed in 20 mL amber ampoules.

Part Numbers	PT	PT-PEST-SOIL
	QC	QC-PEST-SOIL
	RR	RR-PEST-SOIL

Analyte	Concentration
Aldrin	50-500 µg/kg
alpha-BHC	50-500 µg/kg
beta-BHC	50-500 µg/kg
delta-BHC	50-500 µg/kg
gamma-BHC (Lindane)	50-500 µg/kg
alpha-Chlordane	50-500 µg/kg
trans-Chlordane	50-500 µg/kg
4,4'-DDD	50-500 µg/kg
4,4'-DDE	50-500 µg/kg
4,4'-DDT	50-500 µg/kg
Dieldrin	50-500 µg/kg
Endosulfan I	50-500 µg/kg
Endosulfan II	50-500 µg/kg
Endosulfan sulfate	50-500 µg/kg
Endrin	50-500 µg/kg
Endrin aldehyde	50-500 µg/kg
Endrin ketone	50-500 µg/kg
Heptachlor	50-500 µg/kg
Heptachlor epoxide	50-500 µg/kg
Methoxychlor	50-500 µg/kg

SOIL/HW Toxaphene

Store at 4 °C

Provided as 2x30 g of pre-spiked standard in a 20 mL flame sealed ampoule.

Part Numbers	PT	PT-TXP-SOIL
	QC	QC-TXP-SOIL
	RR	RR-TXP-SOIL

Analyte	Concentration
Toxaphene	200-2000 µg/kg

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Herbicides

SOIL/HW Herbicides

Store at 4 °C

Provided as 2x30 g pre-spiked soil matrix flame sealed in 20 mL amber ampoules.

Part Numbers	PT	PT-HERB-SOIL
	QC	QC-HERB-SOIL
	RR	RR-HERB-SOIL

Analyte	Concentration
Acifluorfen	100-1000 µg/kg
Bentazon	100-1000 µg/kg
Chloramben	100-1000 µg/kg
2,4-D	100-1000 µg/kg
Dacthal (DCPA diacid)	100-1000 µg/kg
Dalapon	100-1000 µg/kg
2,4-DB	100-1000 µg/kg
Dicamba	100-1000 µg/kg
3,5-Dichlorobenzoic acid	100-1000 µg/kg
Dichloroprop (Dichlorprop)	100-1000 µg/kg
Dinoseb	100-1000 µg/kg
MCPA	1000-50000 µg/kg
MCPP	1000-50000 µg/kg
4-Nitrophenol	100-1000 µg/kg
Pentachlorophenol	100-1000 µg/kg
Picloram	100-1000 µg/kg
2,4,5-T	100-1000 µg/kg
2,4,5-TP (Silvex)	100-1000 µg/kg

Polychlorinated Biphenyls (PCBs)

SOIL/HW PCBs

Store at 4 °C

Provided as 2x30 g of pre-spiked standard in a 20 mL flame sealed ampoule.

Part Numbers	PT	PT-PCB-SOIL
	QC	QC-PCB-SOIL
	RR	RR-PCB-SOIL

Analyte	Concentration
Aroclor 1016	1-50 mg/kg
Aroclor 1221	1-50 mg/kg
Aroclor 1232	1-50 mg/kg
Aroclor 1242	1-50 mg/kg
Aroclor 1248	1-50 mg/kg
Aroclor 1254	1-50 mg/kg
Aroclor 1260	1-50 mg/kg
Total PCBs	1-50 mg/kg

SOIL/HW PCBs in Oil

Store at 20-25 °C

Provided as a 10 mL flamed sealed ampoule containing approximately 5 g of spiked transformer oil.

Part Numbers	PT	PT-PCBO-SOIL
	QC	QC-PCBO-SOIL
	RR	RR-PCBO-SOIL

Analyte	Concentration
Aroclor 1016	10-50-mg/kg
Aroclor 1221	12-50-mg/kg
Aroclor 1232	12-50-mg/kg
Aroclor 1242	12-50-mg/kg
Aroclor 1248	12-50-mg/kg
Aroclor 1254	12-50-mg/kg
Aroclor 1260	12-50-mg/kg

Soil/HW PCB Congeners (Non-NELAC/State Specific)

Store at 4 °C

The standard is provided as 2x20 g of pre-spiked soil in 40 mL vials.

Part Numbers	PT	PT-CNG-SOIL
	QC	QC-CNG-SOIL
	RR	RR-CNG-SOIL

Analyte	Concentration
2,4'-Dichlorobiphenyl (PCB 8)	1.0 - 40 µg/kg
2,2',5-Trichlorobiphenyl (PCB 18)	1.0 - 40 µg/kg
2,4,4'-Trichlorobiphenyl (PCB 28)	1.0 - 40 µg/kg
2,2',3,5'-Tetrachlorobiphenyl (PCB 44)	1.0 - 40 µg/kg
2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	1.0 - 40 µg/kg
2,3',4,4'-Tetrachlorobiphenyl (PCB 66)	1.0 - 40 µg/kg
3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	1.0 - 40 µg/kg
3,4,4',5-Tetrachlorobiphenyl (PCB 81)	1.0 - 40 µg/kg
2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	1.0 - 40 µg/kg
2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	1.0 - 40 µg/kg
2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	1.0 - 40 µg/kg
2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	1.0 - 40 µg/kg
2,3',4,4',5'-Pentachlorobiphenyl (PCB 123)	1.0 - 40 µg/kg
3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	1.0 - 40 µg/kg
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 128)	1.0 - 40 µg/kg
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	1.0 - 40 µg/kg
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	1.0 - 40 µg/kg
2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	1.0 - 40 µg/kg
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	1.0 - 40 µg/kg
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	1.0 - 40 µg/kg
3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	1.0 - 40 µg/kg
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	1.0 - 40 µg/kg
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	1.0 - 40 µg/kg
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)	1.0 - 40 µg/kg
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	1.0 - 40 µg/kg
2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195)	1.0 - 40 µg/kg
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)	1.0 - 40 µg/kg
Decachlorobiphenyl (PCB 209)	1.0 - 40 µg/kg
Total PCBs	1.0 - 720 µg/kg

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Polycyclic Aromatic Hydrocarbons (PAHs)

SOIL/HW PAHs

Store at 4 °C

Provided as 2 x 30 g of pre-spiked standard in a 20 mL flame sealed ampoule.

Part Numbers	PT	PT-PAH-SOIL
	QC	QC-PAH-SOIL
	RR	RR-PAH-SOIL

Analyte	Concentration
Acenaphthene	150-1000 µg/kg
Acenaphthylene	150-1000 µg/kg
Anthracene	100-1000 µg/kg
Benzo(a)anthracene	50-500 µg/kg
Benzo(b)fluoranthene	50-500 µg/kg
Benzo(k)fluoranthene	50-500 µg/kg
Benzo(g,h,i)perylene	100-1000 µg/kg
Benzo(a)pyrene	50-500 µg/kg
Chrysene	50-500 µg/kg
Dibenz(a,h)anthracene	50-500 µg/kg
Fluoranthene	100-1000 µg/kg
Fluorene	50-500 µg/kg
Indeno(1,2,3-cd)pyrene	50-500 µg/kg
2-Methylnaphthalene	50-500 µg/kg
Naphthalene	150-1000 µg/kg
Phenanthrene	100-1000 µg/kg
Pyrene	50-500 µg/kg

Petroleum Hydrocarbons / Fuels

SOIL/HW Gasoline

Store at 4 °C

Provided as a > 1 g soil matrix in a 40 mL VOA vial with a > 1 mL spiking solution in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-GAS-SOIL
	QC	QC-GAS-SOIL
	RR	RR-GAS-SOIL

Analyte	Concentration
Gasoline Range Organics (GRO)	100-2000 mg/kg
Benzene	1-300 mg/kg
Toluene	1-300 mg/kg
Ethylbenzene	1-300 mg/kg
m+p-Xylene	0.5-150 mg/kg
o-Xylene	0.5-150 mg/kg
Xylenes, Total	1-300 mg/kg

SOIL/HW Gasoline Additives (Non-TNI/State Specific)

Store at 4 °C

Provided as a > 10 g soil matrix in a 40 mL VOA vial with a > 1 mL spiking solution in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-ADD-SOIL
	QC	QC-ADD-SOIL
	RR	RR-ADD-SOIL

Analyte	Concentration
Methyl-tert-butyl ether (MTBE)	20-200 µg/kg
DIPE	20-200 µg/kg
ETBE	20-200 µg/kg
Freon 11	20-200 µg/kg
Freon 113	20-200 µg/kg
1-Phenylpropane	20-200 µg/kg
TAME	20-200 µg/kg
tert-Butyl alcohol	100-500 µg/kg

SOIL/HW Diesel

Store at 4 °C

Provided as 2 x 20 g pre-spiked soil matrix flame sealed in 20 mL amber ampoules.

Part Numbers	PT	PT-DIES-SOIL
	QC	QC-DIES-SOIL
	RR	RR-DIES-SOIL

Analyte	Concentration
Diesel Range Organics (DRO)	300-3000-mg/kg

NJ EPH (Non-TNI State Specific)

Store at 4±2°C.

The standard is provided as 2 x 20.0 ± 0.2 g of pre-spiked soil in 20 mL flame sealed ampoules.

Part Numbers	PT	PT-NJEPH-SOIL
	QC	QC-NJEPH-SOIL
	RR	RR-NJEPH-SOIL

Analyte	Concentration
C9 to C12 Aliphatic Hydrocarbons	10.0-2000 mg/kg
C12 to C16 Aliphatics	10.0-2000 mg/kg
C16 to C21 Aliphatics	10.0-2000 mg/kg
C21 to C40 Aliphatics	10.0-2000 mg/kg
Total Aliphatics	40.0-8000 mg/kg
C10 to C12 Aromatics	10.0-2000 mg/kg
C12 to C16 Aromatics	10.0-2000 mg/kg
C16 to C21 Aromatics	10.0-2000 mg/kg
C21 to C36 Aromatics	10.0-2000 mg/kg
Total Aromatics	40.0-8000 mg/kg
Total EPH	80.0-16000 mg/kg

Explosives

SOIL/HW Explosives (Non-TNI/State Specific)

Store at 4 °C

Provided as 2 x 10 g of pre-spiked standard in a 20 mL flame sealed ampoule.

Part Numbers	PT	PT-EXP-SOIL
	QC	QC-EXP-SOIL
	RR	RR-EXP-SOIL

Analyte	Concentration
4-amino-2,6-dinitrotoluene	500-5000 µg/kg
2-amino-4,6-dinitrotoluene	500-5000 µg/kg
3,5-Dinitroaniline	500-5000 µg/kg
1,3-Dinitrobenzene	500-5000 µg/kg
2,4-Dinitrotoluene	500-5000 µg/kg
2,6-Dinitrotoluene	500-5000 µg/kg
HMX	500-5000 µg/kg
Nitrobenzene	500-5000 µg/kg
Nitroglycerin	500-5000 µg/kg
2-Nitrotoluene	500-5000 µg/kg
3-Nitrotoluene	500-5000 µg/kg
4-Nitrotoluene	500-5000 µg/kg
Pentaerythritoltetranitrate (PETN)	500-5000 µg/kg
RDX	500-5000 µg/kg
Tetryl	500-5000 µg/kg
1,3,5-Trinitrobenzene	500-5000 µg/kg
2,4,6-Trinitrotoluene	500-5000 µg/kg

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Have questions?

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or call (303) 940-0033

SOIL/HW Explosives by 8330B (Non-TNI/State Specific)

Store at 4 °C

Provided as a 500 g pre-spiked soil matrix in a 1 L amber glass bottle.

Part Numbers	PT	PT-8330B-SOIL
	QC	QC-8330B-SOIL
	RR	RR-8330B-SOIL

Analyte	Concentration
4-amino-2,6-dinitrotoluene	500-5000 µg/kg
2-amino-4,6-dinitrotoluene	500-5000 µg/kg
3,5-Dinitroaniline	500-5000 µg/kg
1,3-Dinitrobenzene	500-5000 µg/kg
2,4-Dinitrotoluene	500-5000 µg/kg
2,6-Dinitrotoluene	500-5000 µg/kg
HMX	500-5000 µg/kg
Nitrobenzene	500-5000 µg/kg
Nitroglycerin	500-5000 µg/kg
2-Nitrotoluene	500-5000 µg/kg
3-Nitrotoluene	500-5000 µg/kg
4-Nitrotoluene	500-5000 µg/kg
Pentaerythritoltetranitrate (PETN)	500-5000 µg/kg
RDX	500-5000 µg/kg
Tetryl	500-5000 µg/kg
1,3,5-Trinitrobenzene	500-5000 µg/kg
2,4,6-Trinitrotoluene	500-5000 µg/kg

SOIL/TCLP

SOIL TCLP Herbicides (Non-TNI/State Specific)

Store at 4 °C

Provided as a > 2 mL concentrate in acetonitrile flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-TCLPHERB-SOIL
	QC	QC-TCLPHERB-SOIL
	RR	RR-TCLPHERB-SOIL

Analyte	Concentration
2,4-D	10-1000 µg/L
Dalapon	10-1000 µg/L
2,4-DB	10-1000 µg/L
Dicamba	10-1000 µg/L
Dinoseb	10-1000 µg/L
MCP	10-1000 µg/L
Pentachlorophenol	100-500 µg/L
2,4,5-T	10-1000 µg/L
2,4,5-TP (Silvex)	10-1000 µg/L

SOIL/TCLP Pesticides (Non-TNI/State Specific)

Store at 4 °C

Provided as a > 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-TCLPPEST-SOIL
	QC	QC-TCLPPEST-SOIL
	RR	RR-TCLPPEST-SOIL

Analyte	Concentration
gamma-BHC (Lindane)	10-100 µg/L
Endrin	10-100 µg/L
Heptachlor	10-100 µg/L
Heptachlor Epoxide	10-100 µg/L
Methoxychlor	10-100 µg/L

SOIL/TCLP Volatiles (Non-TNI/State Specific)

Store at 4 °C

Provided as a > 1 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-TCLPVOA-SOIL
	QC	QC-TCLPVOA-SOIL
	RR	RR-TCLPVOA-SOIL

Analyte	Concentration
Benzene	50-2000 µg/L
2-Butanone (MEK)	50-2000 µg/L
Carbon tetrachloride	50-2000 µg/L
Chlorobenzene	50-2000 µg/L
Chloroform	50-2000 µg/L
1,4-Dichlorobenzene	50-2000 µg/L
1,2-Dichloroethane	50-2000 µg/L
1,1-Dichloroethene	50-2000 µg/L
Tetrachloroethene	50-2000 µg/L
Trichloroethene	50-2000 µg/L
Vinyl chloride	50-2000 µg/L

SOIL/TCLP Semi-Volatiles (Non-TNI/State Specific)

Store at 4 °C

Provided as a > 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-TCLPBNA-SOIL
	QC	QC-TCLPBNA-SOIL
	RR	RR-TCLPBNA-SOIL

Analyte	Concentration
1,4-Dichlorobenzene	1000-2000 µg/L
2,4-Dinitrotoluene	1000-2000 µg/L
Hexachlorobenzene	1000-2000 µg/L
Hexachlorobutadiene	1000-2000 µg/L
Hexachloroethane	1000-2000 µg/L
2-Methylphenol	1000-2000 µg/L
4-Methylphenol (and/or 3-Methylphenol)	1000-2000 µg/L
Nitrobenzene	1000-2000 µg/L
Pentachlorophenol	1000-2000 µg/L
Pyridine	1000-2000 µg/L
2,4,5-Trichlorophenol	1000-2000 µg/L
2,4,6-Trichlorophenol	1000-2000 µg/L

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UST

Underground Storage Tank

The Phenova UST Program encompasses virtually all of the various state-specific UST programs. From Massachusetts to Alaska and Iowa to Arizona – not to mention TX 1005 – Phenova UST standards can meet your needs. For labs analyzing gasoline and diesel ranges organics, Phenova offers standards compliant with the relevant TNI programs. All Phenova UST standards are offered as Rapid Return™ and Quality Control standards to provide you with the quickest delivery possible.



UST - Water Standards

Alaska

UST Alaska BTEX in Water (Non-TNI/State Specific)

Store at 4 °C
Provided as a > 1 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.
Use with method AK101.

Part Numbers	QC	QC-AKBTEX-USTW
Part Numbers	RR	RR-AKBTEX-USTW

Analyte	Concentration
Benzene	5.0-30 µg/L
Ethylbenzene	5.0-30 µg/L
Toluene	5.0-30 µg/L
Xylenes, total	5.0-30 µg/L

UST Alaska DRO in Water (Non-TNI/State Specific)

Store at 4 °C
Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.
Use with method AK102.

Part Numbers	QC	QC-AKDRO-USTW
Part Numbers	RR	RR-AKDRO-USTW

Analyte	Concentration
Diesel Range Organics	800-2300 µg/L

UST Alaska GRO in Water (Non-TNI/State Specific)

Store at 4 °C
Provided as a > 1 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.
Use with method AK101.

Part Numbers	QC	QC-AKGRO-USTW
Part Numbers	RR	RR-AKGRO-USTW

Analyte	Concentration
Gasoline Range Organics	100-500 µg/L

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Iowa

Iowa BTEX in Water (Non-TNI/State Specific)

Store at 4 °C
Provided as a 15 g soil matrix in a 40 mL VOA vial with a > 1 mL spiking solution in methanol flame sealed in a 2 mL amber ampoule. Use with Iowa method OA-1.

Part Numbers	QC	QC-IABTEX-USTW
Part Numbers	RR	RR-IABTEX-USTW

Analyte	Concentration
Benzene	5-1000 µg/L
Ethylbenzene	5-1000 µg/L
Toluene	5-1000 µg/L
Xylenes, total	5-1000 µg/L

UST Iowa Diesel in Water (Non-TNI/State Specific)

Store at 4 °C
Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.
Use with Iowa method OA-2.

Part Numbers	QC	QC-IADIES-USTW
Part Numbers	RR	RR-IADIES-USTW

Analyte	Concentration
Diesel	500-100000 µg/L

UST Iowa Gasoline in Water (Non-TNI/State Specific)

Store at 4 °C
Provided as a > 1 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.
Use with Iowa method OA-1.

Part Numbers	QC	QC-IAGAS-USTW
Part Numbers	RR	RR-IAGAS-USTW

Analyte	Concentration
Gasoline	500-100000 µg/L

Texas

UST Texas Method 1005 in Water Set (Non-TNI/State Specific)

This complete set includes low level and high level standards for Texas Method 1005.

Part Numbers	QC	QC-TX1005-USTW
Part Numbers	RR	QC-TX1005-USTW

MA/ WA**UST MA/WA EPH in Water (Non-TNI/State Specific)**

Store at 4 °C

Provided as a 2mL concentrate in methanol flame sealed in a 2mL amber ampoule.

Part Numbers	QC	QC-EPH-USTW
	RR	RR-EPH-USTW

Analyte	Concentration
Massachusetts	
C9 - C18 Aliphatic Hydrocarbons	300-3000 µg/L
C19 - C36 Aliphatic Hydrocarbons	300-3000 µg/L
C11-C22 Aromatic Hydrocarbons	300-3000 µg/L
Massachusetts Target Analytes	
Acenaphthene	50-1000 µg/L
Acenaphthylene	50-1000 µg/L
Anthracene	50-1000 µg/L
Benzo(a)anthracene	50-1000 µg/L
Benzo(b)fluoranthene	50-1000 µg/L
Benzo(k)fluoranthene	50-1000 µg/L
Benzo(g,h,i)perylene	50-1000 µg/L
Benzo(a)pyrene	50-1000 µg/L
Chrysene	50-1000 µg/L
Dibenz(a,h)anthracene	50-1000 µg/L
Fluoranthene	50-1000 µg/L
Fluorene	50-1000 µg/L
Indeno(1,2,3-cd)pyrene	50-1000 µg/L
Naphthalene	50-1000 µg/L
Phenanthrene	50-1000 µg/L
Pyrene	50-1000 µg/L
Washington	
C8 - C10 Aliphatic Hydrocarbons	300-3000 µg/L
>C10 - C12 Aliphatic Hydrocarbons	300-3000 µg/L
>C12 - C16 Aliphatic Hydrocarbons	300-3000 µg/L
>C16 - C21 Aliphatic Hydrocarbons	300-3000 µg/L
>C21 - C34 Aliphatic Hydrocarbons	300-3000 µg/L
C8 - C10 Aromatic Hydrocarbons	300-3000 µg/L
>C10 - C12 Aromatic Hydrocarbons	300-3000 µg/L
>C12 - C16 Aromatic Hydrocarbons	300-3000 µg/L
>C16 - C21 Aromatic Hydrocarbons	300-3000 µg/L
>C21 - C34 Aromatic Hydrocarbons	300-3000 µg/L

UST MA/WA VPH in Water (Non-TNI/State Specific)

Store at 4 °C

Provided as a >1mL concentrate in methanol flame sealed in a 2mL amber ampoule.

Part Numbers	QC	QC-VPH-USTW
	RR	RR-VPH-USTW

Analyte	Concentration
Massachusetts	
C5 - C8 Aliphatic Hydrocarbons	300-3000 µg/L
C9 - C12 Aliphatic Hydrocarbons	300-3000 µg/L
C9 - C10 Aromatic Hydrocarbons	300-3000 µg/L
Massachusetts Target Analytes	
Benzene	50-1000 µg/L
Ethylbenzene	50-1000 µg/L
Methyl-tert-butyl ether (MTBE)	50-1000 µg/L
Toluene	50-1000 µg/L
m+p-Xylene	25-500 µg/L
o-Xylene	25-500 µg/L
Xylenes, total	50-1000 µg/L
Washington	
C5 - C8 Aliphatic Hydrocarbons	300-3000 µg/L
>C6 - C8 Aliphatic Hydrocarbons	300-3000 µg/L
>C8 - C10 Aliphatic Hydrocarbons	300-3000 µg/L
>C10 - C12 Aliphatic Hydrocarbons	300-3000 µg/L
C8 - C10 Aromatic Hydrocarbons	300-3000 µg/L
>C10 - C12 Aliphatic Hydrocarbons	300-3000 µg/L
>C12 - C13 Aromatic Hydrocarbons	300-3000 µg/L

Wisconsin**UST Wisconsin DRO in Water (Non-TNI/State Specific)**

Store at 4 °C

Provided as a 2mL concentrate in acetone flame sealed in a 2mL amber ampoule.

Part Numbers	QC	QC-WIDRO-USTW
	RR	RR-WIDRO-USTW

Analyte	Concentration
Diesel Range Organics (DRO)	200-800 µg/L

UST Wisconsin GRO in Water (Non-TNI/State Specific)

Store at 4 °C

Provided as a > 1 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	QC	QC-WIGRO-USTW
	RR	RR-WIGRO-USTW

Analyte	Concentration
Gasoline Range Organics (GRO)	200-600 µg/L
Benzene	20-75 µg/L
Ethylbenzene	20-75 µg/L
Methyl tert-butyl ether (MTBE)	20-75 µg/L
Toluene	20-75 µg/L
1,2,4-Trimethylbenzene	20-75 µg/L
1,3,5-Trimethylbenzene	20-75 µg/L
Xylenes, total	20-150 µg/L

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UST - Soil Standards

Alaska

UST Alaska BTEX in Soil (Non-TNI/State Specific)

Store at 4 °C

Provided as a 10 g pre-spiked soil matrix and 10 mL of ethanol flame sealed in a 20 mL amber ampoule. Use with method AK101.

Part Numbers	QC	QC-AKBTEX-USTS
	RR	RR-AKBTEX-USTS

Analyte	Concentration
Benzene	5.0-100 mg/kg
Ethylbenzene	5.0-100 mg/kg
Toluene	5.0-100 mg/kg
Xylenes, total	5.0-100 mg/kg

UST Alaska DRO in Soil (Non-TNI/State Specific)

Store at 4 °C

Provided as 2 x 20.0 ± 0.2 g of pre-spiked soil in 20 mL flame sealed ampoules. Use with method AK102.

Part Numbers	QC	QC-AKDRO-USTS
	RR	RR-AKDRO-USTS

Analyte	Concentration
Diesel Range Organics	30-1500 mg/kg

UST Alaska GRO in Soil (Non-TNI/State Specific)

Store at 4 °C

Provided as a 10 g pre-spiked soil matrix and 10 mL of methanol flame sealed in a 20 mL amber ampoule. Use with method AK101.

Part Numbers	QC	QC-AKGRO-USTS
	RR	RR-AKGRO-USTS

Analyte	Concentration
Gasoline Range Organics	30-1500 mg/kg

UST Alaska RRO in Soil (Non-TNI/State Specific)

Store at 4 °C

Provided as 2 x 20.0 ± 0.2 g of pre-spiked soil in 20 mL flame sealed ampoules. Use with method AK103.

Part Numbers	QC	QC-AKRRO-USTS
	RR	RR-AKRRO-USTS

Analyte	Concentration
Residual Range Organics	150-2000 mg/kg
C28 - C38	150-2000 mg/kg

Arizona

UST Arizona TPH in Soil (Non-TNI/State Specific)

Store at 4 °C

Provided as 2 x 10 g pre-spiked soil matrix flame sealed in 10 mL amber ampoules. Use with method 8015AZ.

Part Numbers	QC	QC-AZHC-USTS
	RR	RR-AZHC-USTS

Analyte	Concentration
Diesel Fraction (C10 - C22)	30-3000 mg/kg
Oil Range Organics (C22 - C32)	100-10000 mg/kg
Total Petroleum Hydrocarbons (C10 - C32)	130-13000 mg/kg

Iowa

Iowa BTEX in Soil (Non-TNI/State Specific)

Store at 4 °C

Provided as a 15 g soil matrix in a 40 mL VOA vial with a > 1 mL spiking solution in methanol flame sealed in a 2 mL amber ampoule. Use with Iowa method OA-1.

Part Numbers	QC	QC-IABTEX-USTS
	RR	RR-IABTEX-USTS

Analyte	Concentration
Benzene	0.25-10 mg/kg
Ethylbenzene	0.25-10 mg/kg
Toluene	0.25-10 mg/kg
Xylenes, total	0.25-10 mg/kg

Iowa Diesel in Soil (Non-TNI/State Specific)

Store at 4 °C

Provided as 2 x 20 g pre-spiked soil matrix flame sealed in 20 mL amber ampoules. Use with Iowa method OA-2.

Part Numbers	QC	QC-IADIES-USTS
	RR	RR-IADIES-USTS

Analyte	Concentration
Diesel	10-2000 mg/kg

Iowa Gas in Soil (Non-TNI/State Specific)

Store at 4 °C

Provided as a 15 g soil matrix in a 40 mL VOA vial with a > 1 mL spiking solution in methanol flame sealed in a 2 mL amber ampoule. Use with Iowa method OA-1.

Part Numbers	QC	QC-IAGAS-USTS
	RR	RR-IAGAS-USTS

Analyte	Concentration
Gasoline	1.0-2000 mg/kg

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MA/WA**UST MA/WA EPH in Soil (Non-TNI/State Specific)**

Store at 4 °C

Provided as 2 x 20 g pre-spiked soil matrix flame sealed in 20 mL amber ampoules.

Part Numbers	QC	QC-EPH-USTS
	RR	RR-EPH-USTS

Analyte	Concentration
Massachusetts	
C9 - C18 Aliphatic Hydrocarbons	100-1500 mg/kg
C19 - C36 Aliphatic Hydrocarbons	100-1500 mg/kg
C11-C22 Aromatic Hydrocarbons	100-1500 mg/kg
Massachusetts Target Analytes	
2-Methylnaphthalene	1.0-250 mg/kg
Acenaphthene	1.0-250 mg/kg
Acenaphthylene	1.0-250 mg/kg
Anthracene	1.0-250 mg/kg
Benzo(a)anthracene	1.0-250 mg/kg
Benzo(b)fluoranthene	1.0-250 mg/kg
Benzo(k)fluoranthene	1.0-250 mg/kg
Benzo(g,h,i)perylene	1.0-250 mg/kg
Benzo(a)pyrene	1.0-250 mg/kg
Chrysene	1.0-250 mg/kg
Dibenz(a,h)anthracene	1.0-250 mg/kg
Fluoranthene	1.0-250 mg/kg
Fluorene	1.0-250 mg/kg
Indeno(1,2,3-cd)pyrene	1.0-250 mg/kg
Naphthalene	1.0-250 mg/kg
Phenanthrene	1.0-250 mg/kg
Pyrene	1.0-250 mg/kg
Washington	
C8 - C10 Aliphatic Hydrocarbons	100-1500 mg/kg
>C10 - C12 Aliphatic Hydrocarbons	100-1500 mg/kg
>C12 - C16 Aliphatic Hydrocarbons	100-1500 mg/kg
>C16 - C21 Aliphatic Hydrocarbons	100-1500 mg/kg
>C21 - C34 Aliphatic Hydrocarbons	100-1500 mg/kg
C8 - C10 Aromatic Hydrocarbons	100-1500 mg/kg
>C10 - C12 Aromatic Hydrocarbons	100-1500 mg/kg
>C12 - C16 Aromatic Hydrocarbons	100-1500 mg/kg
>C16 - C21 Aromatic Hydrocarbons	100-1500 mg/kg
>C21 - C34 Aromatic Hydrocarbons	100-1500 mg/kg

UST MA/WA VPH in Soil (Non-TNI/State Specific)

Store at 4 °C

Provided as a 15 g soil matrix in a 40 mL VOA vial with a > 1 mL spiking solution in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	QC	QC-VPH-USTS
	RR	RR-VPH-USTS

Analyte	Concentration
Massachusetts	
C5 - C8 Aliphatic Hydrocarbons	100-1500 mg/kg
C9 - C12 Aliphatic Hydrocarbons	100-1500 mg/kg
C9 - C10 Aromatic Hydrocarbons	100-1500 mg/kg
Massachusetts Target Analytes	
Benzene	1.0-50 mg/kg
Ethylbenzene	1.0-50 mg/kg
Methyl-tert-butyl ether (MTBE)	1.0-50 mg/kg
Naphthalene	1.0-50 mg/kg
Toluene	1.0-50 mg/kg
m+p-Xylene	1.0-25 mg/kg
o-Xylene	1.0-25 mg/kg
Xylenes, total	1.0-50 mg/kg
Washington	
C5 - C6 Aliphatic Hydrocarbons	100-1500 mg/kg
>C6 - C8 Aliphatic Hydrocarbons	100-1500 mg/kg
>C8 - C10 Aliphatic Hydrocarbons	100-1500 mg/kg
>C10 - C12 Aliphatic Hydrocarbons	100-1500 mg/kg
C8 - C10 Aliphatic Hydrocarbons	100-1500 mg/kg
>C10 - C12 Aliphatic Hydrocarbons	100-1500 mg/kg
>C12 - C13 Aromatic Hydrocarbons	100-1500 mg/kg

Texas**UST Texas Method 1005 in Soil Set (Non-TNI/State Specific)**

This complete set includes low level and high level standards for Texas Method 1005.

Part Numbers	QC	QC-TX1005-USTS
	RR	RR-TX1005-USTS

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Air & Emissions

INORGANIC

Phenova air studies encompass both ambient and stack testing methods. The studies are offered quarterly in a variety of different formats, including impinger solutions, filters, and SUMMA canisters – for both organic and inorganic analytes. The AE studies provide ISO 17043 accredited PT standards for you to verify your laboratory's quality program or to seek STAC accreditation. The AE program allows any laboratory performing these analyses to challenge, monitor, and control their quality program.



Inorganic Standards

Impinger

Air Mercury, Impinger Solution (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with 1% (v/v) nitric acid (HNO₃) + 10 ppm hexavalent chromium contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-HGS-AIR
	QC	QC-HGS-AIR
	RR	RR-HGS-AIR

Analyte	Concentration
Mercury	0.9-200 ng/mL

Air Trace Metals, Impinger Solution (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a >20 mL concentrate in water preserved with 5% HNO₃ (v/v) contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-TMS-AIR
	QC	QC-TMS-AIR
	RR	RR-TMS-AIR

Analyte	Concentration
Aluminum	0.01-25 µg/mL
Antimony	0.01-25 µg/mL
Arsenic	0.01-25 µg/mL
Barium	0.01-25 µg/mL
Beryllium	0.01-25 µg/mL
Boron	0.01-25 µg/mL
Cadmium	0.01-25 µg/mL
Chromium	0.01-25 µg/mL
Cobalt	0.01-25 µg/mL
Copper	0.01-25 µg/mL
Iron	0.01-25 µg/mL
Lead	0.01-25 µg/mL
Manganese	0.01-25 µg/mL
Molybdenum	0.01-25 µg/mL
Nickel	0.01-25 µg/mL
Phosphorus	0.01-25 µg/mL
Selenium	0.01-25 µg/mL
Silver	0.01-25 µg/mL
Strontium	0.01-25 µg/mL
Thallium	0.01-25 µg/mL
Vanadium	0.01-25 µg/mL
Zinc	0.01-25 µg/mL

Air NO_x, Impinger Solution (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a >20 mL concentrate in water contained in a 23 mL clear glass vial.

Part Numbers	PT	PT-NOX-AIR
	QC	QC-NOX-AIR
	RR	RR-NOX-AIR

Analyte	Concentration
NO _x (as NO ₂)	100-2000 mg/dscm

Air Particulates, Impinger Solution (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a 500 mL ready to use standard in water contained in a 500 mL poly bottle.

Part Numbers	PT	PT-PTS-AIR
	QC	QC-PTS-AIR
	RR	RR-PTS-AIR

Analyte	Concentration
Particulates	140-800 mg/L

Air SO₂, Impinger Solution (Non-TNI/State Specific)

Store at 20-25 °C

Provided as a >20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-SO2-AIR
	QC	QC-SO2-AIR
	RR	RR-SO2-AIR

Analyte	Concentration
Sulfur dioxide (SO ₂)	5.0-2000 mg/dscm

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Air Fluoride, Impinger Solution (Non-TNI/State Specific)

Store at 20 -25 °C

Provided as a >20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-F-AIR
	QC	QC-F-AIR
	RR	RR-F-AIR

Analyte	Concentration
Fluoride	1.0-50 mg/dscm

Inorganic Standards

Non-Impinger

Air Metals on Filter Paper (Non-TNI/State Specific)

Store at 20 -25 °C

Provided as a pre-spiked, ready to use filter.

Part Numbers	PT	PT-MET-AIR
	QC	QC-MET-AIR
	RR	RR-MET-AIR

Analyte	Concentration
Aluminum	20-400 µg/filter
Antimony	9.0-90 µg/filter
Arsenic	9.0-90 µg/filter
Barium	10-250 µg/filter
Beryllium	5.0-50 µg/filter
Boron	80-200 µg/filter
Cadmium	10-100 µg/filter
Chromium	10-100 µg/filter
Cobalt	10-100 µg/filter
Copper	10-100 µg/filter
Iron	20-400 µg/filter
Lead	10-150 µg/filter
Manganese	20-200 µg/filter
Molybdenum	6-60 µg/filter
Nickel	20-200 µg/filter
Phosphorus	5.0-500 µg/filter
Selenium	10-100 µg/filter
Silver	10-100 µg/filter
Strontium	5.0-50 µg/filter
Thallium	8.0-80 µg/filter
Vanadium	5.0-200 µg/filter
Zinc	30-200 µg/filter

Air Mercury on Filter Paper (Non-TNI/State Specific)

Store at 20 -25 °C

Provided as a 45 mm glass fiber filter and a spiking solution contained in a 24 mL screw top vial. The concentrate is preserved with ~ 2% HNO₃ and 10 ppm hexavalent chromium in water.

Part Numbers	PT	PT-HG-AIR
	QC	QC-HG-AIR
	RR	RR-HG-AIR

Analyte	Concentration
Mercury	0.03-0.30 µg/filter

Air Hexavalent Chromium on Filter Paper (Non-TNI/State Specific)

Store at 20 -25 °C

The Hexavalent Chromium on Filter Paper standard is provided as a spiking concentrate in a 24 mL screw-top vial. The standard has been provided as a concentrate to be spiked onto the filter media your laboratory uses for normal hexavalent chromium on filter samples.

Part Numbers	PT	PT-CR6-AIR
	QC	QC-CR6-AIR
	RR	RR-CR6-AIR

Analyte	Concentration
Chromium VI	1.0-50 µg/filter

Air Lead on Filter Paper (Non-TNI/State Specific)

Store at 20 -25 °C

Provided as a 45 mm glass fiber filter and a spiking solution contained in a 24 mL screw top vial. The concentrate is preserved with ~ 2% HNO₃ in water.

Part Numbers	PT	PT-PB-AIR
	QC	QC-PB-AIR
	RR	RR-PB-AIR

Analyte	Concentration
Lead	20-350 µg/filter

Air Particulates on Filter Paper (Non-TNI/State Specific)

Store at 20 -25 °C

Provided as a pre-spiked, ready to use filter.

Part Numbers	PT	PT-PTC-AIR
	QC	QC-PTC-AIR
	RR	RR-PTC-AIR

Analyte	Concentration
Particulates	50-2500 mg/filter

Air H₂SO₄, Impinger Solution (Non-TNI/State Specific)

Store at 20 -25 °C

Provided as a >20 mL concentrate in water contained in a 24 mL clear glass vial.

Part Numbers	PT	PT-SO4-AIR
	QC	QC-SO4-AIR
	RR	RR-SO4-AIR

Analyte	Concentration
Sulfuric Acid	5.0-150 mg/dscm

Air Anions on Filter (Non-TNI/State Specific)

Store at 20 -25 °C

Provided as a pre-spiked, ready to use filter plus filter blank.

Part Numbers	PT	PT-AN-AIR
	QC	QC-AN-AIR
	RR	RR-AN-AIR

Analyte	Concentration
Chloride	200-1600 µg/HVF
Fluoride	10-80 µg/HVF
Nitrate as N	30-100 µg/HVF
Sulfate	200-2500 µg/HVF

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Air & Emissions

ORGANIC

Phenova AE Studies encompass both ambient and stack testing methods. The studies are offered quarterly in a variety of different formats – impinger solutions, filters, and SUMMA canisters – for both organic and inorganic analytes. The AE studies provide ISO 17043 accredited PT standards for you to verify your laboratory's quality program or to seek STAC accreditation. The AE program allows any laboratory performing these analyses to challenge, monitor, and control their quality program.

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Organic Standards

Semi-Volatiles

Air Formaldehyde on Sorbent Tube (Non-TNI/State Specific)

Store at 4 °C

Provided as a > 1 mL concentrate in water flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-FORM-AIR
	QC	QC-FORM-AIR
	RR	RR-FORM-AIR

Analyte	Concentration
Formaldehyde	0.50-20 µg/tube

Air PAHs, PUF Cartridge (Non-TNI/State Specific)

Store at 4 °C

Provided as a 2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

This sample is not preserved.

Part Numbers	PT	PT-PAH-AIR
	QC	QC-PAH-AIR
	RR	RR-PAH-AIR

Analyte	Concentration
Acenaphthene	10-500 µg/PUF
Acenaphthylene	10-500 µg/PUF
Anthracene	10-500 µg/PUF
Benzo(a)anthracene	10-500 µg/PUF
Benzo(b)fluoranthene	10-500 µg/PUF
Benzo(k)fluoranthene	10-500 µg/PUF
Benzo(g,h,i)perylene	10-500 µg/PUF
Benzo(a)pyrene	10-500 µg/PUF
Chrysene	10-500 µg/PUF
Dibenz(a,h)anthracene	10-500 µg/PUF
Fluoranthene	10-500 µg/PUF
Fluorene	10-500 µg/PUF
Indeno(1,2,3-cd)pyrene	10-500 µg/PUF
Naphthalene	10-500 µg/PUF
Phenanthrene	10-500 µg/PUF
Pyrene	10-500 µg/PUF

Volatiles

Air Volatiles, Charcoal Tube (Non-TNI/State Specific)

Store at 4 °C

Provided as a 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-VOAC-AIR
	QC	QC-VOAC-AIR
	RR	RR-VOAC-AIR

Analyte	Concentration
Acetone	5.0-100 µg/tube
Acetonitrile	5.0-100 µg/tube
Acrolein	5.0-100 µg/tube
Acrylonitrile	5.0-100 µg/tube
Benzene	5.0-100 µg/tube
Bromobenzene	5.0-100 µg/tube
Bromodichloromethane	5.0-100 µg/tube
Bromoform	5.0-100 µg/tube
Bromomethane	5.0-100 µg/tube
2-Butanone (MEK)	5.0-100 µg/tube
Carbon disulfide	5.0-100 µg/tube
Carbon tetrachloride	5.0-100 µg/tube
Chlorobenzene	5.0-100 µg/tube
Chloroethane	5.0-100 µg/tube
2-Chloroethylvinylether	5.0-100 µg/tube
Chloroform	5.0-100 µg/tube
Chloromethane	5.0-100 µg/tube
Dibromochloromethane	5.0-100 µg/tube
1,2-Dibromo-3-chloropropane (DBCP)	5.0-100 µg/tube
1,2-Dibromoethane (EDB)	5.0-100 µg/tube
Dibromomethane	5.0-100 µg/tube
1,2 Dichlorobenzene	5.0-100 µg/tube
1,3 Dichlorobenzene	5.0-100 µg/tube
1,4 Dichlorobenzene	5.0-100 µg/tube
Dichlorodifluoromethane	5.0-100 µg/tube
1,1-Dichloroethane	5.0-100 µg/tube
1,2 Dichloroethane	5.0-100 µg/tube
cis-1,2-Dichloroethene	5.0-100 µg/tube
1,1-Dichloroethene	5.0-100 µg/tube
trans-1,2-Dichloroethene	5.0-100 µg/tube
1,2-Dichloropropane	5.0-100 µg/tube
cis-1,3-Dichloropropylene	5.0-100 µg/tube
trans-1,3-Dichloropropene	5.0-100 µg/tube
Ethylbenzene	5.0-100 µg/tube
2-Hexanone	5.0-100 µg/tube
Isopropylbenzene	5.0-100 µg/tube
Naphthalene	5.0-100 µg/tube
Methylene Chloride	5.0-100 µg/tube
Methyl tert-butyl ether (MTBE)	5.0-100 µg/tube
4-Methyl-2-pentanone (MIBK)	5.0-100 µg/tube
Styrene	5.0-100 µg/tube
1,1,1,2-Tetrachloroethane	5.0-100 µg/tube
1,1,2,2-Tetrachloroethane	5.0-100 µg/tube
Tetrachloroethene	5.0-100 µg/tube
Toluene	5.0-100 µg/tube
1,2,3-Trichlorobenzene	5.0-100 µg/tube
1,2,4-Trichlorobenzene	5.0-100 µg/tube
1,1,1-Trichloroethane	5.0-100 µg/tube
1,1,2-Trichloroethane	5.0-100 µg/tube
Trichloroethene	5.0-100 µg/tube
1,2,3-Trichloropropane	5.0-100 µg/tube
1,2,4-Trimethylbenzene	5.0-100 µg/tube
1,3,5-Trimethylbenzene	5.0-100 µg/tube
Trichlorofluoromethane	5.0-100 µg/tube
Vinyl acetate	5.0-100 µg/tube
Vinyl chloride	5.0-100 µg/tube
m/p-Xylene	5.0-100 µg/tube
o-Xylene	5.0-100 µg/tube
Xylenes, total	5.0-200 µg/tube

Air Volatiles, Thermal Desorption Tube (Non-TNI/State Specific)

Store at 4 °C

Provided as a 1.2 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-VOATD-AIR
	QC	QC-VOATD-AIR
	RR	RR-VOATD-AIR

Analyte	Concentration
Acetonitrile	5.0-100 ng/tube
Acrolein	5.0-100 ng/tube
Acrylonitrile	5.0-100 ng/tube
Benzene	5.0-100 ng/tube
Bromobenzene	5.0-100 ng/tube
Bromodichloromethane	5.0-100 ng/tube
Bromoform	5.0-100 ng/tube
Bromomethane	5.0-100 ng/tube
2-Butanone (MEK)	5.0-100 ng/tube
Carbon disulfide	5.0-100 ng/tube
Carbon tetrachloride	5.0-100 ng/tube
Chlorobenzene	5.0-100 ng/tube
Chloroethane	5.0-100 ng/tube
2-Chloroethylvinylether	5.0-100 ng/tube
Chloroform	5.0-100 ng/tube
Chloromethane	5.0-100 ng/tube
Dibromochloromethane	5.0-100 ng/tube
1,2-Dibromo-3-chloropropane (DBCP)	5.0-100 ng/tube
1,2-Dibromoethane (EDB)	5.0-100 ng/tube
Dibromomethane	5.0-100 ng/tube
1,2 Dichlorobenzene	5.0-100 ng/tube
1,3 Dichlorobenzene	5.0-100 ng/tube
1,4 Dichlorobenzene	5.0-100 ng/tube
Dichlorodifluoromethane	5.0-100 ng/tube
1,1-Dichloroethane	5.0-100 ng/tube
1,2 Dichloroethane	5.0-100 ng/tube
1,1-Dichloroethene	5.0-100 ng/tube
cis-1,2-Dichloroethene	5.0-100 ng/tube
trans-1,2-Dichloroethene	5.0-100 ng/tube
1,2-Dichloropropane	5.0-100 ng/tube
cis-1,3-Dichloropropylene	5.0-100 ng/tube
trans-1,3-Dichloropropene	5.0-100 ng/tube
Ethylbenzene	5.0-100 ng/tube
Hexachlorobutadiene	5.0-100 ng/tube
2-Hexanone	5.0-100 ng/tube
Isopropylbenzene	5.0-100 ng/tube
Methylene Chloride	5.0-100 ng/tube
Methyl tert-butyl ether (MTBE)	5.0-100 ng/tube
4-Methyl-2-pentanone (MIBK)	5.0-100 ng/tube
Naphthalene	5.0-100 ng/tube
Styrene	5.0-100 ng/tube
1,1,1,2-Tetrachloroethane	5.0-100 ng/tube
1,1,2,2-Tetrachloroethane	5.0-100 ng/tube
Tetrachloroethene	5.0-100 ng/tube
Toluene	5.0-100 ng/tube
1,1,1-Trichloroethane	5.0-100 ng/tube
1,1,2-Trichloroethane	5.0-100 ng/tube
Trichloroethene	5.0-100 ng/tube
1,2,3-Trichlorobenzene	5.0-100 ng/tube
1,2,4-Trichlorobenzene	5.0-100 ng/tube
1,2,3-Trichloropropane	5.0-100 ng/tube
1,2,4-Trimethylbenzene	5.0-100 ng/tube
1,3,5-Trimethylbenzene	5.0-100 ng/tube
Trichlorofluoromethane	5.0-100 ng/tube
Vinyl acetate	5.0-100 ng/tube
Vinyl chloride	5.0-100 ng/tube
m/p-Xylene	5.0-100 ng/tube
o-Xylene	5.0-100 ng/tube
Xylenes, total	5.0-200 ng/tube

Air Volatiles, Summa Canister (Non-TNI/State Specific)

Store at 20 -25 °C

Provided in your pre-cleaned and evacuated Summa canister as a ready to use standard.

Part Numbers	PT	PT-VOAS-AIR
	QC	QC-VOAS-AIR
	RR	RR-VOAS-AIR

Analyte	Concentration
Acetone	5.0-65 ppbv
Acetonitrile	5.0-65 ppbv
Acetylene	5.0-65 ppbv
Acrolein (Propenal)	5.0-65 ppbv
Acrylonitrile	5.0-65 ppbv
Benzene	5.0-65 ppbv
Bromochloromethane	5.0-65 ppbv
Bromodichloromethane	5.0-65 ppbv
Bromoform	5.0-65 ppbv
Bromomethane	5.0-65 ppbv
1,3-Butadiene	5.0-65 ppbv
2-Butanone (Methyl ethyl ketone, MEK)	5.0-65 ppbv
Carbon disulfide	5.0-65 ppbv
Carbon tetrachloride	5.0-65 ppbv
Chlorobenzene	5.0-65 ppbv
Chloroethane	5.0-65 ppbv
Chloroform	5.0-65 ppbv
Chloromethane	5.0-65 ppbv
Chloromethylbenzene	5.0-65 ppbv
Chloroprene	5.0-65 ppbv
Cyclohexane	5.0-65 ppbv
1,2-Dibromoethane (EDB, Ethylene dibromide)	5.0-65 ppbv
Dibromochloromethane	5.0-65 ppbv
Dichlorodifluoromethane	5.0-65 ppbv
1,2 Dichlorobenzene	5.0-65 ppbv
1,3 Dichlorobenzene	5.0-65 ppbv
1,4 Dichlorobenzene	5.0-65 ppbv
1,1-Dichloroethane	5.0-65 ppbv
1,2 Dichloroethane	5.0-65 ppbv
1,1-Dichloroethene	5.0-65 ppbv
cis-1,2-Dichloroethene	5.0-65 ppbv
trans-1,2-Dichloroethene	5.0-65 ppbv
1,2-Dichloropropane	5.0-65 ppbv
cis-1,3-Dichloropropene	5.0-65 ppbv
trans-1,3-Dichloropropene	5.0-65 ppbv
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.0-65 ppbv
Ethyl acetate	5.0-65 ppbv
Ethyl acrylate	5.0-65 ppbv
Ethylbenzene	5.0-65 ppbv
Ethyl-t-butylether (ETBE)	5.0-65 ppbv
4-Ethyltoluene	5.0-65 ppbv
n-Heptane	5.0-65 ppbv
Hexachlorobutadiene	5.0-65 ppbv
Hexane	5.0-65 ppbv
Isopropanol	5.0-65 ppbv
Methyl tert-butyl ether (MTBE)	5.0-65 ppbv
Methylene chloride	5.0-65 ppbv
Methyl isobutyl ketone (Hexone)	5.0-65 ppbv
Methyl methacrylate	5.0-65 ppbv
n-Octane	5.0-65 ppbv
Propylene	5.0-65 ppbv
Styrene	5.0-65 ppbv
T-amylmethylether (TAME)	5.0-65 ppbv
Tetrachloroethene	5.0-65 ppbv
1,2,4-Trichlorobenzene	5.0-65 ppbv
1,1,1-Trichloroethane	5.0-65 ppbv
1,1,2-Trichloroethane	5.0-65 ppbv
1,1,2,2-Tetrachloroethane	5.0-65 ppbv
Trichloroethene	5.0-65 ppbv
Trichlorofluoromethane	5.0-65 ppbv
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0-65 ppbv
1,2,4-Trimethylbenzene	5.0-65 ppbv
1,3,5-Trimethylbenzene	5.0-65 ppbv
Toluene	5.0-65 ppbv
Vinyl bromide	5.0-65 ppbv
Vinyl chloride	5.0-65 ppbv
m+p-Xylene	5.0-65 ppbv
o-Xylene	5.0-65 ppbv
Xylenes, total	5.0-130 ppbv

WP PFAS

WP PFAS

Store at 4 °C

Provided as a 2.1 mL concentrate in methanol flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PFAS-WP
	QC	QC-PFAS-WP
	RR	RR-PFAS-WP

Analyte	Concentration
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	100-500 ng/L
9-Chloro hexadecane fluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	100-500 ng/L
11-Chloroicosasafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF30UdS)	100-500 ng/L
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	100-500 ng/L
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	100-500 ng/L
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	100-500 ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	100-500 ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	100-500 ng/L
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	100-500 ng/L
Hexafluoropropylene oxide diame acid (HFPO-DA)	100-500 ng/L
Perfluorododecanesulfonic acid (PFDoS)	100-500 ng/L
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	100-500 ng/L
N-ethylperfluorooctanesulfonamide (NEtFOSA)	100-500 ng/L
N-ethylperfluorooctanesulfonamido-ethanol (NEtFOSE)	100-500 ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	100-500 ng/L
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	100-500 ng/L
N-methylperfluorooctanesulfonamide (NMeFOSA)	100-500 ng/L
N-methylperfluorooctanesulfonamido-ethanol (NMeFOSE)	100-500 ng/L
Perfluorobutanoic acid (PFBA)	100-500 ng/L
Nonafluorobutane-1-sulfonic acid (PFBS)	100-500 ng/L
Perfluorodecanoic acid (PFDA)	100-500 ng/L
Perfluorododecanoic acid (PFDoA)	100-500 ng/L
Perfluorodecanesulfonic acid (PFDS)	100-500 ng/L
Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	100-500 ng/L
Perfluoroheptanoic acid (PFHpA)	100-500 ng/L
Perfluoroheptanesulfonic acid (PFHpS)	100-500 ng/L
Perfluorohexanoic acid (PFHxA)	100-500 ng/L
Perfluorohexanesulfonic acid (PFHxS)	100-500 ng/L
Perfluoro(3-methoxypropionic) acid (PFMPA)	100-500 ng/L
Perfluoro(4-methoxybutanoic) acid (PFMBA)	100-500 ng/L
Perfluorononanoic acid (PFNA)	100-500 ng/L
Perfluoro-1-Nonanesulfonic acid (PFNS)	100-500 ng/L
Pentadecafluorooctanoic acid (PFOA)	100-500 ng/L
Perfluorooctane sulfonic acid (PFOS)	100-500 ng/L
Perfluorooctanesulfonamide (PFOSA)	100-500 ng/L
Perfluoropentanoic acid (PFPeA)	100-500 ng/L
Perfluoropentanesulfonic acid (PFPeS)	100-500 ng/L
Perfluorotetradecanoic acid (PFTeA)	100-500 ng/L
Perfluorotridecanoic acid (PFTrDA)	100-500 ng/L
Perfluoroundecanoic acid (PFUnA)	100-500 ng/L

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WS PFAS

Store at 4 °C

Provided as a >1 mL concentrate in methanol flame sealed in a 2 mL amber ampoule

Part Numbers	PT	PT-PFAS-WS
	QC	QC-PFAS-WS
	RR	RR-PFAS-WS

Analyte	Concentration
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	10-200 ng/L
9-Chloro hexadecane fluoro-3-oxanone-1-sulfonic acid (9Cl-PF30NS)	10-200 ng/L
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	10-200 ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	10-200 ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	10-200 ng/L
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	10-200 ng/L
Hexafluoropropylene oxide diamer acid (HFPO-DA)	10-200 ng/L
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	10-200 ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	10-200 ng/L
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10-200 ng/L
Perfluorobutanoic acid (PFBA)	10-200 ng/L
Nonafluorobutane-1-sulfonic acid (PFBS)	10-200 ng/L
Perfluorodecanoic acid (PFDA)	10-200 ng/L
Perfluorododecanoic acid (PFDoA)	10-200 ng/L
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	10-200 ng/L
Perfluoroheptanoic acid (PFHpA)	10-200 ng/L
Perfluoroheptanesulfonic acid (PFHpS)	10-200 ng/L
Perfluorohexanoic acid (PFHxA)	10-200 ng/L
Perfluorohexanesulfonic acid (PFHxS)	10-200 ng/L
Perfluoro(3-methoxypropionic) acid (PFMPA)	10-200 ng/L
Perfluoro(4-methoxybutanoic) acid (PFMBA)	10-200 ng/L
Perfluorononanoic acid (PFNA)	10-200 ng/L
Pentadecafluorooctanoic acid (PFOA)	10-200 ng/L
Perfluorooctane sulfonic acid (PFOS)	10-200 ng/L
Perfluoropentanoic acid (PFPeA)	10-200 ng/L
Perfluoropentanesulfonic acid (PFPeS)	10-200 ng/L
Perfluorotetradecanoic acid (PFTeA)	10-200 ng/L
Perfluorotridecanoic acid (PFTrDA)	10-200 ng/L
Perfluoroundecanoic acid (PFUnA)	10-200 ng/L

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SOIL/HW

SOIL/HW PFAS

Store at 4 °C

Provided as a >20 g blank soil matrix in a 20 mL flame sealed ampoule, with a >1 mL spiking solution in methanol, flame sealed in a 2 mL amber ampoule.

Analyte	Concentration
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	20-100 µg/kg
9-Chloro hexadecane fluoro-3-oxanone-1-sulfonic acid (9Cl-PF30NS)	20-100 µg/kg
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	20-100 µg/kg
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	20-100 µg/kg
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	20-100 µg/kg
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	20-100 µg/kg
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	20-100 µg/kg
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	20-100 µg/kg
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	20-100 µg/kg
Hexafluoropropylene oxide diamer acid (HFPO-DA)	20-100 µg/kg
Perfluorododecanesulfonic acid (PFDoS)	20-100 µg/kg
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	20-100 µg/kg
N-ethylperfluorooctanesulfonamide (NEtFOSA)	20-100 µg/kg
N-ethylperfluorooctanesulfonamido)-ethanol (NEtFOSE)	20-100 µg/kg
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	20-100 µg/kg
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	20-100 µg/kg
N-methylperfluorooctanesulfonamide (NMeFOSA)	20-100 µg/kg
N-methylperfluorooctanesulfonamido)-ethanol (NMeFOSE)	20-100 µg/kg
Perfluorobutanoic acid (PFBA)	20-100 µg/kg
Nonafluorobutane-1-sulfonic acid (PFBS)	20-100 µg/kg
Perfluorodecanoic acid (PFDA)	20-100 µg/kg
Perfluorododecanoic acid (PFDoA)	20-100 µg/kg
Perfluorodecanesulfonic acid (PFDS)	20-100 µg/kg
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	20-100 µg/kg
Perfluoroheptanoic acid (PFHpA)	20-100 µg/kg
Perfluoroheptanesulfonic acid (PFHpS)	20-100 µg/kg
Perfluorohexanoic acid (PFHxA)	20-100 µg/kg
Perfluorohexanesulfonic acid (PFHxS)	20-100 µg/kg
Perfluoro(3-methoxypropionic) acid (PFMPA)	20-100 µg/kg
Perfluoro(4-methoxybutanoic) acid (PFMBA)	20-100 µg/kg
Perfluorononanoic acid (PFNA)	20-100 µg/kg
Perfluoro-1-Nonanesulfonic acid (PFNS)	20-100 µg/kg
Pentadecafluorooctanoic acid (PFOA)	20-100 µg/kg
Perfluorooctane sulfonic acid (PFOS)	20-100 µg/kg
Perfluorooctanesulfonamide (PFOSA)	20-100 µg/kg
Perfluoropentanoic acid (PFPeA)	20-100 µg/kg
Perfluoropentanesulfonic acid (PFPeS)	20-100 µg/kg
Perfluorotetradecanoic acid (PFTeA)	20-100 µg/kg
Perfluorotridecanoic acid (PFTrDA)	20-100 µg/kg
Perfluoroundecanoic acid (PFUnA)	20-100 µg/kg

Aflatoxins/Ochratoxin in Biomass

Store at 4 °C

Provided as a > 1 g cannabis matrix in a 12 mL vial with a > 1 mL spiking solution in Acetonitrile flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-AFLBIO-MMJ
	QC	QC-AFLBIO-MMJ
	RR	RR-AFLBIO-MMJ

Analyte	Concentration
Aflatoxin B1	10-50 ng/g
Aflatoxin B2	10-50 ng/g
Aflatoxin G1	10-50 ng/g
Aflatoxin G2	10-50 ng/g
Total Aflatoxins (B1/B2/G1/G2)	20-100 ng/g
Ochratoxin A	20-100 ng/g

Potency in Biomass

Store at 4 °C

Provided as set of 2 x1 g vials of prespiked sample in a 20 mL amber vial.

Part Numbers	PT	PT-CANNHEMP-MMJ
	QC	QC-CANNHEMP-MMJ
	RR	RR-CANNHEMP-MMJ

Analyte	Concentration
delta-9-THC	0.1-25 %
delta-9-THCA	0.1-25 %
CBD	0.1-25 %
CBDA	0.1-25 %
CBN	0.1-25 %
Cannabichromene (CBC)	1-10 %
Cannabidiol (CBDV)	1-10 %
Cannabigerol (CBG)	1-10 %
Cannabigerolic acid (CBGA)	1-10 %
Tetrahydrocannabinol (THCV)	1-10 %
delta-8-Tetrahydrocannabinol (delta-8-THC)	1-10 %

CBD in Isolate

Store at 4 °C

Provided as 500 mg vial of sample in a 4 mL amber vial.

Part Numbers	PT	PT-CBDISO-MMJ
	QC	QC-CBDISO-MMJ
	RR	RR-CBDISO-MMJ

Analyte	Concentration
CBD (Isolate)	40-100 %

Metals in Hemp Flower

Store at 4 °C

Provided as 2 g vial of prespiked sample in a 20 mL amber vial.

Part Numbers	PT	PT-MET-MMJ
	QC	QC-MET-MMJ
	RR	RR-MET-MMJ

Analyte	Concentration
Arsenic (As)	0.2-120 µg/g
Cadmium (Cd)	0.2-120 µg/g
Lead (Pb)	0.2-120 µg/g
Mercury (Hg)	0.1-120 µg/g
Chromium (Cr)	0.6-120 µg/g
Nickel (Ni)	0.5-50 µg/g

Aflatoxins/Ochratoxin in Solid/Oil

Store at 4 °C

Provided as a > 2 g cannabis oil matrix in a 12 mL vial with a > 1 mL spiking solution in Acetonitrile flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-AFLBIO-MMJ
	QC	QC-AFLBIO-MMJ
	RR	RR-AFLBIO-MMJ

Analyte	Concentration
Aflatoxin B1	10-50 ng/g
Aflatoxin B2	10-50 ng/g
Aflatoxin G1	10-50 ng/g
Aflatoxin G2	10-50 ng/g
Total Aflatoxins (B1/B2/G1/G2)	20-100 ng/g
Ochratoxin A	20-100 ng/g

Potency in Solid/Oil

Store at 4 °C

Provided as 500 mg vial of prespiked sample in a 20 mL amber vial.

Part Numbers	PT	PT-CANNOIL-MMJ
	QC	QC-CANNOIL-MMJ
	RR	RR-CANNOIL-MMJ

Analyte	Concentration
delta-9-THC	0.1-25 %
delta-9-THCA	0.1-25 %
CBD	0.1-25 %
CBDA	0.1-25 %
CBN	0.1-25 %
Cannabichromene (CBC)	1-10 %
Cannabidiol (CBDV)	1-10 %
Cannabigerol (CBG)	1-10 %
Cannabigerolic acid (CBGA)	1-10 %
Tetrahydrocannabinol (THCV)	1-10 %
delta-8-Tetrahydrocannabinol (delta-8-THC)	1-10 %

Water Activity/Percent Moisture

Store at 4 °C

Provided as 3 g vial of sample in a 20 mL amber vial.

Part Numbers	PT	PT-MST-MMJ
	QC	QC-MST-MMJ
	RR	RR-MST-MMJ

Analyte	Concentration
Water Activity	1-20 %
Percent Moisture	0.01-1 Aw

Metals in Solid/Oil

Store at 4 °C

Provided as 2 g vial of prespiked sample in a 4 mL amber vial.

Part Numbers	PT	PT-METOIL-MMJ
	QC	QC-METOIL-MMJ
	RR	RR-METOIL-MMJ

Analyte	Concentration
Arsenic (As)	0.2-120 µg/g
Cadmium (Cd)	0.2-120 µg/g
Lead (Pb)	0.2-120 µg/g
Mercury (Hg)	0.1-120 µg/g
Chromium (Cr)	0.6-120 µg/g
Nickel (Ni)	0.5-50 µg/g

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Pesticides in Biomass

Store at 4 °C

Provided as a > 1 g cannabis matrix in a 12 mL vial with a > 1 mL spiking solution in Acetonitrile flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PEST-MMJ
	QC	QC-PEST-MMJ
	RR	RR-PEST-MMJ

Analyte	Concentration
Abamectin	1.5-15 µg/g
Acephate	1.2-12 µg/g
Acequinocyl	12-120 µg/g
Acetamiprid	0.6-6 µg/g
Aldicarb	3-30 µg/g
Allethrin	0.6-6 µg/g
Atrazine	0.075-0.75 µg/g
Azoxystrobin	0.6-6 µg/g
Benzovindiflupyr	0.06-0.6 µg/g
Bifenazate	1.2-12 µg/g
Bifenthrin	9-90 µg/g
Boscalid	1.2-12 µg/g
Buprofezin	0.06-0.6 µg/g
Captan (CA)	2.1-21 µg/g
Carbaryl	1.5-15 µg/g
Carbofuran	0.6-6 µg/g
Chlorantraniliprole	30-300 µg/g
Chlordane (CA)	1.5-15 µg/g
Chlorfenapyr	3-30 µg/g
Chlorpyrifos	0.6-6 µg/g
Clofentezine	0.6-6 µg/g
Clothianidin	0.15-1.5 µg/g
Coumaphos	0.06-0.6 µg/g
Cyantraniliprole	0.06-0.6 µg/g
Cyfluthrin	6-60 µg/g
Cyhalothrin lambda	0.75-7.5 µg/g
Cypermethrin	3-30 µg/g
Cyprodinil	0.75-7.5 µg/g
Daminozide	3-30 µg/g
Deltamethrin	1.5-15 µg/g
Diazinon	0.6-6 µg/g
Dichlorovos	3-30 µg/g
Dimethoate	0.6-6 µg/g
Dimethomorph	6-60 µg/g
Dinotefuran	0.3-3 µg/g
Diuron	0.375-3.75 µg/g
Dodemorph	0.15-1.5 µg/g
Endosulfan sulfate	0.15-1.5 µg/g
Endosulfan alpha	0.6-6 µg/g
Endosulfan beta	0.15-1.5 µg/g
Ethoprophos	0.6-6 µg/g
Etofenprox	1.2-12 µg/g
Etoxazole	1.2-12 µg/g
Etridiazole	0.09-0.9 µg/g
Fenhexamid	3-30 µg/g
Fenoxycarb	0.6-6 µg/g
Fenpyroximate	1.2-12 µg/g
Fensulfothion	0.06-0.6 µg/g
Fenthion	0.06-0.6 µg/g
Fenvalerate	0.3-3 µg/g
Fipronil	1.2-12 µg/g
Fonicamid	3-30 µg/g
Fludioxonil	1.5-15 µg/g
Fluopyram	0.06-0.6 µg/g
Hexythiazox	3-30 µg/g
Imazalil	0.6-6 µg/g
Imidacloprid	15-150 µg/g
Iprodione	3-30 µg/g
Kinoprene	1.5-15 µg/g
Kresoxim-methyl	1.2-12 µg/g

Analyte	Concentration
Malathion	1.5-15 µg/g
Metaxyl	6-60 µg/g
Methiocarb	0.6-6 µg/g
Methyl parathion	0.6-6 µg/g
Methomyl	3-30 µg/g
Methoprene	0.15-1.5 µg/g
Mevinphos	0.06-0.6 µg/g
MGK-264	0.6-6 µg/g
Myclobutanil	1.2-12 µg/g
Naled	9-90 µg/g
Novaluron	0.06-0.6 µg/g
Oxamyl	9-90 µg/g
Paclobutrazol	1.2-12 µg/g
Pentachloronitrobenzene	2.4-24 µg/g
Permethrins, Total	1.5-15 µg/g
Phenothrin	0.15-1.5 µg/g
Phosmet	0.6-6 µg/g
Piperonyl Butoxide	9-90 µg/g
Pirimicarb	0.06-0.6 µg/g
Prallethrin	0.6-6 µg/g
Propiconazole	1.2-12 µg/g
Propoxur	0.6-6 µg/g
Pyraclostrobin	0.06-0.6 µg/g
Pyrethrins, Total	6-60 µg/g
Pyridaben	0.6-6 µg/g
Pyriproxyfen	0.03-0.3 µg/g
Pentachloronitrobenzene (Quintozone)	0.06-0.6 µg/g
Resmethrin	0.3-3 µg/g
Spinetoram	3-30 µg/g
Spinosad	3-30 µg/g
Spirodiclofen	0.75-7.5 µg/g
Spiromesifen	9-90 µg/g
Spirotetramat	3-30 µg/g
Spiroxamine	1.2-12 µg/g
Tebuconazole	1.2-12 µg/g
Tebufozide	0.06-0.6 µg/g
Teflubenzuron	0.15-1.5 µg/g
Tetrachlorvinphos	0.06-0.6 µg/g
Tetramethrin	0.3-3 µg/g
Thiabendazole	0.06-0.6 µg/g
Thiacloprid	0.6-6 µg/g
Thiamethoxam	15-150 µg/g
Thiophanate-methyl	0.15-1.5 µg/g
Trifloxystrobin	3-30 µg/g

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Pesticides in Solid/Oil

Store at 4 °C

Provided as a > 2 g cannabis oil matrix in a 4 mL vial with a > 1 mL spiking solution in Acetonitrile flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-PESTOIL-MMJ
	QC	QC-PESTOIL-MMJ
	RR	RR-PESTOIL-MMJ

Analyte	Concentration
Abamectin	1.5-15 µg/g
Acephate	1.2-12 µg/g
Acequinocyl	12-120 µg/g
Acetamiprid	0.6-6 µg/g
Aldicarb	3-30 µg/g
Allethrin	0.6-6 µg/g
Atrazine	0.075-0.75 µg/g
Azoxystrobin	0.6-6 µg/g
Benzovindiflupyr	0.06-0.6 µg/g
Bifenazate	1.2-12 µg/g
Bifenthrin	9-90 µg/g
Boscalid	1.2-12 µg/g
Buprofezin	0.06-0.6 µg/g
Captan (CA)	2.1-21 µg/g
Carbaryl	1.5-15 µg/g
Carbofuran	0.6-6 µg/g
Chlorantraniliprole	30-300 µg/g
Chlordane (CA)	1.5-15 µg/g
Chlorfenapyr	3-30 µg/g
Chlorpyrifos	0.6-6 µg/g
Clofentezine	0.6-6 µg/g
Clothianidin	0.15-1.5 µg/g
Coumaphos	0.06-0.6 µg/g
Cyantraniliprole	0.06-0.6 µg/g
Cyfluthrin	6-60 µg/g
Cyhalothrin lambda	0.75-7.5 µg/g
Cypermethrin	3-30 µg/g
Cyprodinil	0.75-7.5 µg/g
Daminozide	3-30 µg/g
Deltamethrin	1.5-15 µg/g
Diazinon	0.6-6 µg/g
Dichlorovos	3-30 µg/g
Dimethoate	0.6-6 µg/g
Dimethomorph	6-60 µg/g
Dinotefuran	0.3-3 µg/g
Diuron	0.375-3.75 µg/g
Dodemorph	0.15-1.5 µg/g
Endosulfan sulfate	0.15-1.5 µg/g
Endosulfan alpha	0.6-6 µg/g
Endosulfan beta	0.15-1.5 µg/g
Ethoprophos	0.6-6 µg/g
Etofenprox	1.2-12 µg/g
Etoxazole	1.2-12 µg/g
Etridiazole	0.09-0.9 µg/g
Fenhexamid	3-30 µg/g
Fenoxycarb	0.6-6 µg/g
Fenpyroximate	1.2-12 µg/g
Fensulfothion	0.06-0.6 µg/g
Fenthion	0.06-0.6 µg/g
Fenvalerate	0.3-3 µg/g
Fipronil	1.2-12 µg/g
Fonicamid	3-30 µg/g
Fludioxonil	1.5-15 µg/g
Fluopyram	0.06-0.6 µg/g
Hexythiazox	3-30 µg/g
Imazalil	0.6-6 µg/g
Imidacloprid	15-150 µg/g
Iprodione	3-30 µg/g
Kinoprene	1.5-15 µg/g
Kresoxim-methyl	1.2-12 µg/g

Analyte	Concentration
Malathion	1.5-15 µg/g
Metaxyl	6-60 µg/g
Methiocarb	0.6-6 µg/g
Methyl parathion	0.6-6 µg/g
Methomyl	3-30 µg/g
Methoprene	0.15-1.5 µg/g
Mevinphos	0.06-0.6 µg/g
MGK-264	0.6-6 µg/g
Myclobutanil	1.2-12 µg/g
Naled	9-90 µg/g
Novaluron	0.06-0.6 µg/g
Oxamyl	9-90 µg/g
Paclobutrazol	1.2-12 µg/g
Pentachloronitrobenzene	2.4-24 µg/g
Permethrins, Total	1.5-15 µg/g
Phenothrin	0.15-1.5 µg/g
Phosmet	0.6-6 µg/g
Piperonyl Butoxide	9-90 µg/g
Pirimicarb	0.06-0.6 µg/g
Prallethrin	0.6-6 µg/g
Propiconazole	1.2-12 µg/g
Propoxur	0.6-6 µg/g
Pyraclostrobin	0.06-0.6 µg/g
Pyrethrins, Total	6-60 µg/g
Pyridaben	0.6-6 µg/g
Pyriproxyfen	0.03-0.3 µg/g
Pentachloronitrobenzene (Quintozene)	0.06-0.6 µg/g
Resmethrin	0.3-3 µg/g
Spinetoram	3-30 µg/g
Spinosad	3-30 µg/g
Spirodiclofen	0.75-7.5 µg/g
Spiromesifen	9-90 µg/g
Spirotetramat	3-30 µg/g
Spiroxamine	1.2-12 µg/g
Tebuconazole	1.2-12 µg/g
Tebufenozide	0.06-0.6 µg/g
Teflubenzuron	0.15-1.5 µg/g
Tetrachlorvinphos	0.06-0.6 µg/g
Tetramethrin	0.3-3 µg/g
Thiabendazole	0.06-0.6 µg/g
Thiacloprid	0.6-6 µg/g
Thiamethoxam	15-150 µg/g
Thiophanate-methyl	0.15-1.5 µg/g
Trifloxystrobin	3-30 µg/g

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Residual Solvents in Solid/Oil

Store at 4 °C

Provided as a Set with > 2 g cannabis oil matrix in a 4 mL vial with two ampoules of > 1 mL spiking solution in flame sealed in a 2 mL amber ampoule.

Part Numbers	PT	PT-RSO-MMJ
	QC	QC-RSO-MMJ
	RR	RR-RSO-MMJ

Analyte	Concentration
1,2 Dichloroethane	1.5-7.5 µg/g
1,4-Dioxane	570-2850 µg/g
Acetone	750-3750 µg/g
Acetonitrile	615-3075 µg/g
Benzene	1.5-7.5 µg/g
n-Butane	750-3750 µg/g
Butanes, Total	750-3750 µg/g
2-Butanol	7500-37500 µg/g
Chloroform	1.5-7.5 µg/g
Cumene	105-525 µg/g
Cyclohexane	5820-29100 µg/g
Dichloromethane	1.5-7.5 µg/g
Ethanol	750-3750 µg/g
2-Ethoxyethanol	240-1200 µg/g
Ethyl acetate	1500-7500 µg/g
Ethylbenzene	7500-37500 µg/g
Ethyl Ether	3255-16275 µg/g
Ethylene Glycol	930-4650 µg/g
Ethylene Oxide	1.5-7.5 µg/g
n-Heptane	750-3750 µg/g
n-Hexane	435-2175 µg/g
Hexanes, Total	435-2175 µg/g
Isobutane	750-3750 µg/g
Isopropyl Acetate	7500-37500 µg/g
Methanol	750-3750 µg/g
n-Pentane	435-2175 µg/g
Pentanes, Total	435-2175 µg/g
Propane	750-3750 µg/g
2-Propanol	1500-7500 µg/g
Tetrahydrofuran	1080-5400 µg/g
Toluene	270-1350 µg/g
m-Xylene	150-750 µg/g
o-Xylene	300-1500 µg/g
p-Xylene	150-750 µg/g
m&p Xylene	300-1500 µg/g
Total Xylenes	645-3225 µg/g

Terpenes in Hemp Flower

Store at 4 °C

Provided as set of 2 x1 g vials of prespiked sample in a 20 mL amber vial.

Part Numbers	PT	PT-TERP-MMJ
	QC	QC-TERP-MMJ
	RR	RR-TERP-MMJ

Analyte	Concentration
alpha-Pinene	500-2500 µg/g
beta-Myrcene	500-2500 µg/g
beta-Pinene	500-2500 µg/g
alpha-Terpinene	500-2500 µg/g
D-Limonene	500-2500 µg/g
Eucalyptol	500-2500 µg/g
gamma-Terpinene	500-2500 µg/g
Terpinolene	500-2500 µg/g
Linalool	500-2500 µg/g
beta-Caryophyllene	500-2500 µg/g
alpha-Humulene	500-2500 µg/g
(-)-Caryophyllene Oxide	500-2500 µg/g
alpha-Bisabolol	500-2500 µg/g
Ocimene	500-2500 µg/g
Nerolidol	500-2500 µg/g
p-Cymene	500-2500 µg/g
(-)-Isopulegol	500-2500 µg/g
Geraniol	500-2500 µg/g

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Calibration Standards

Phenova™ Certified Reference Materials are produced under ISO/IEC 17025 and ISO 17034-accredited quality systems, ensuring traceability, accuracy, and regulatory compliance.

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Phenova CRMs ampoules come with TWO additional labels that you can place on paperwork, auto-sampler and transfer vials, or anywhere to reduce transcription.

Calibration Standards

Volatile Organic Analysis (VOA)

Part number

AL0-101200

502.2 Calibration Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,1,1,2-Tetrachloroethane	630-20-6	2000
1,1,1-Trichloroethane	71-55-6	2000
1,1,2,2-Tetrachloroethane	79-34-5	2000
1,1,2-Trichloroethane	79-00-5	2000
1,1-Dichloroethane	75-34-3	2000
1,1-Dichloroethene	75-35-4	2000
1,1-Dichloropropene	563-58-6	2000
1,2,3-Trichlorobenzene	87-61-6	2000
1,2,3-Trichloropropane	96-18-4	2000
1,2,4-Trichlorobenzene	120-82-1	2000
1,2,4-Trimethylbenzene	95-63-6	2000
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	2000
1,2-Dibromoethane (EDB)	106-93-4	2000
1,2-Dichlorobenzene	95-50-1	2000
1,2-Dichloroethane	107-06-2	2000
1,2-Dichloropropane	78-87-5	2000
1,3,5-Trimethylbenzene	108-67-8	2000
1,3-Dichlorobenzene	541-73-1	2000
1,3-Dichloropropane	142-28-9	2000
1,4-Dichlorobenzene	106-46-7	2000
2,2-Dichloropropane	594-20-7	2000
2-Chlorotoluene	95-49-8	2000
4-Chlorotoluene	106-43-4	2000
4-Isopropyltoluene	99-87-6	2000
Benzene	71-43-2	2000
Bromobenzene	108-86-1	2000
Bromochloromethane	74-97-5	2000
Bromodichloromethane	75-27-4	2000
Bromoform	75-25-2	2000
Carbon tetrachloride	56-23-5	2000
Chlorobenzene	108-90-7	2000
Chloroform	67-66-3	2000
cis-1,2-Dichloroethene	156-59-2	2000
cis-1,3-Dichloropropene	10061-01-5	2000
Dibromochloromethane	124-48-1	2000
Dibromomethane	74-95-3	2000
Ethylbenzene	100-41-4	2000
Hexachlorobutadiene	87-68-3	2000
Isopropylbenzene	98-82-8	2000
Methylene chloride (dichloromethane)	75-09-2	2000
m-Xylene	108-38-3	2000
Naphthalene	91-20-3	2000
n-Butylbenzene	104-51-8	2000
n-Propylbenzene	103-65-1	2000
o-Xylene	95-47-6	2000
p-Xylene	106-42-3	2000
sec-Butylbenzene	135-98-8	2000
Styrene	100-42-5	2000
tert-Butylbenzene	98-06-6	2000
Tetrachloroethene	127-18-4	2000
Toluene	108-88-3	2000
trans-1,2-Dichloroethene	156-60-5	2000
trans-1,3-Dichloropropene	10061-02-6	2000
Trichloroethene	79-01-6	2000

Part number

AL0-101201

502.2 Calibration Standard

200 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,1,1,2-Tetrachloroethane	630-20-6	200
1,1,1-Trichloroethane	71-55-6	200
1,1,2,2-Tetrachloroethane	79-34-5	200
1,1,2-Trichloroethane	79-00-5	200
1,1-Dichloroethane	75-34-3	200
1,1-Dichloroethene	75-35-4	200
1,1-Dichloropropene	563-58-6	200
1,2,3-Trichlorobenzene	87-61-6	200
1,2,3-Trichloropropane	96-18-4	200
1,2,4-Trichlorobenzene	120-82-1	200
1,2,4-Trimethylbenzene	95-63-6	200
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	200
1,2-Dibromoethane (EDB)	106-93-4	200
1,2-Dichlorobenzene	95-50-1	200
1,2-Dichloroethane	107-06-2	200
1,2-Dichloropropane	78-87-5	200
1,3,5-Trimethylbenzene	108-67-8	200
1,3-Dichlorobenzene	541-73-1	200
1,3-Dichloropropane	142-28-9	200
1,4-Dichlorobenzene	106-46-7	200
2,2-Dichloropropane	594-20-7	200
2-Chlorotoluene	95-49-8	200
4-Chlorotoluene	106-43-4	200
4-Isopropyltoluene	99-87-6	200
Benzene	71-43-2	200
Bromobenzene	108-86-1	200
Bromochloromethane	74-97-5	200
Bromodichloromethane	75-27-4	200
Bromoform	75-25-2	200
Carbon tetrachloride	56-23-5	200
Chlorobenzene	108-90-7	200
Chloroform	67-66-3	200
cis-1,2-Dichloroethene	156-59-2	200
cis-1,3-Dichloropropene	10061-01-5	200
Dibromochloromethane	124-48-1	200
Dibromomethane	74-95-3	200
Ethylbenzene	100-41-4	200
Hexachlorobutadiene	87-68-3	200
Isopropylbenzene	98-82-8	200
Methylene chloride (dichloromethane)	75-09-2	200
m-Xylene	108-38-3	200
Naphthalene	91-20-3	200
n-Butylbenzene	104-51-8	200
n-Propylbenzene	103-65-1	200
o-Xylene	95-47-6	200
p-Xylene	106-42-3	200
sec-Butylbenzene	135-98-8	200
Styrene	100-42-5	200
tert-Butylbenzene	98-06-6	200
Tetrachloroethene	127-18-4	200
Toluene	108-88-3	200
trans-1,2-Dichloroethene	156-60-5	200
trans-1,3-Dichloropropene	10061-02-6	200
Trichloroethene	79-01-6	200

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Part number

AL0-101202

8260 Appendix IX Additions Mix

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,4-Dioxane	123-91-1	2000
2-Chloroethanol	107-07-3	2000
2-Nitropropane	79-46-9	2000
Acetonitrile	75-05-8	2000
Allyl chloride	107-05-1	2000
Carbon disulfide	75-15-0	2000
cis-1,4-Dichloro-2-butene	1476-11-5	2000
Diethyl ether	60-29-7	2000
Ethyl methacrylate	97-63-2	2000
Hexachloroethane	67-72-1	2000
Iodomethane	74-88-4	2000
Isobutanol	78-83-1	2000
Methacrylonitrile	126-98-7	2000
Methyl methacrylate	80-62-6	2000
Nitrobenzene	98-95-3	2000
Propionitrile	107-12-0	2000
tert-Butyl alcohol	75-65-0	2000
Tetrahydrofuran	109-99-9	2000
trans-1,4-Dichloro-2-butene	110-57-6	2000

Part number

AL0-101206

VOA Gases Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Bromomethane	74-83-9	2000
Chloroethane	75-00-3	2000
Chloromethane	74-87-3	2000
Dichlorodifluoromethane	75-71-8	2000
Trichlorofluoromethane	75-69-4	2000
Vinyl chloride	75-01-4	2000

Part number

AL0-101207

VOA Gases Standard

200 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Bromomethane	74-83-9	200
Chloroethane	75-00-3	200
Chloromethane	74-87-3	200
Dichlorodifluoromethane	75-71-8	200
Trichlorofluoromethane	75-69-4	200
Vinyl chloride	75-01-4	200

Part number

AL0-101209

501 Trihalomethane Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Bromodichloromethane	75-27-4	2000
Bromoform	75-25-2	2000
Chloroform	67-66-3	2000
Dibromochloromethane	124-48-1	2000

Part number

AL0-101203

BTEX Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzene	71-43-2	2000
Ethylbenzene	100-41-4	2000
m-Xylene	108-38-3	2000
o-Xylene	95-47-6	2000
p-Xylene	106-42-3	2000
Toluene	108-88-3	2000

Part number

AL0-101204

BTEX plus MTBE Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzene	71-43-2	2000
Ethylbenzene	100-41-4	2000
Methyl-tert butyl ether (MTBE)	1634-04-4	2000
m-Xylene	108-38-3	2000
o-Xylene	95-47-6	2000
p-Xylene	106-42-3	2000
Toluene	108-88-3	2000

Part number

AL0-101205

BTEX plus MTBE Standard

200 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzene	71-43-2	200
Ethylbenzene	100-41-4	200
Methyl-tert butyl ether (MTBE)	1634-04-4	200
m-Xylene	108-38-3	200
o-Xylene	95-47-6	200
p-Xylene	106-42-3	200
Toluene	108-88-3	200

Part number

AL0-101208

California Oxygenates Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Diisopropyl ether (DIPE)	108-20-3	2000
Ethyl-tert-butyl ether (ETBE)	637-92-3	2000
Methyl-tert butyl ether (MTBE)	1634-04-4	2000
tert-Amyl methyl ether (TAME)	994-05-8	2000
tert-Butyl alcohol	75-65-0	10000

Part number

AL0-101211

Ketones Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Butanone (MEK)	78-93-3	2000
2-Hexanone	591-78-6	2000
4-Methyl-2-pentanone (MIBK)	108-10-1	2000
Acetone	67-64-1	2000

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Part number

AL0-101210

501 Trihalomethane Standard

200 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Bromodichloromethane	75-27-4	200
Bromoform	75-25-2	200
Chloroform	67-66-3	200
Dibromochloromethane	124-48-1	200

Part number

AL0-101213

8260 Internal Standard Mix 1

2500 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,4-Dichlorobenzene-d4	3855-82-1	2500
1,4-Difluorobenzene	540-36-3	2500
Chlorobenzene-d5	3114-55-4	2500
Pentafluorobenzene	363-72-4	2500

Part number

AL0-101215

8260 Internal Standard Mix 2

2500 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,4-Dichlorobenzene-d4	3855-82-1	2500
Chlorobenzene-d5	3114-55-4	2500
Fluorobenzene	462-06-6	2500

Part number

AL0-101217

524 Internal Standard Mix1

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,4-Dichlorobenzene-d4	3855-82-1	2000
1,4-Difluorobenzene	540-36-3	2000
Chlorobenzene-d5	3114-55-4	2000

Part number

AL0-101219

504.1 Calibration Standard

200 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2,3-Trichloropropane	96-18-4	200
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	200
1,2-Dibromoethane (EDB)	106-93-4	200

Part number

AL0-101222

Acrolein/Acrylonitrile

1000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acrolein	107-02-8	1000
Acrylonitrile	107-13-1	1000

Part number

AL0-101212

Ketones Standard

5000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Butanone (MEK)	78-93-3	5000
2-Hexanone	591-78-6	5000
4-Methyl-2-pentanone (MIBK)	108-10-1	5000
Acetone	67-64-1	5000

Part number

AL0-101214

8260 Surrogate Standard 1

2500 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2-Dichloroethane-d4	17060-07-0	2500
4-Bromofluorobenzene	460-00-4	2500
Dibromofluoromethane	1868-53-7	2500
Toluene-d8	2037-26-5	2500

Part number

AL0-101216

8260 Surrogate Standard Mix 2

2500 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4-Bromofluorobenzene	460-00-4	2500
Dibromofluoromethane	1868-53-7	2500
Toluene-d8	2037-26-5	2500

Part number

AL0-101218

524 Surrogate Standard Mix 2

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2-Dichlorobenzene-d4	2199-69-1	2000
4-Bromofluorobenzene	460-00-4	2000
Methyl-tert butyl ether-d3 (MTBE-d3)	29366-08-3	2000

Part number

AL0-101220

524 Surrogate Standard Mix 1

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2-Dichlorobenzene-d4	2199-69-1	2000
4-Bromofluorobenzene	460-00-4	2000

Part number

AL0-101221

502.2 Internal Standard Mix

1000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Bromo-1-chloropropane	3017-95-6	1000
Fluorobenzene	462-06-6	1000

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Part number

AL0-101453

8260 Surrogate Standard 1

2500 µg/mL in P&T Methanol, 10 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2-Dichloroethane-d4	17060-07-0	2500
4-Bromofluorobenzene	460-00-4	2500
Dibromofluoromethane	1868-53-7	2500
Toluene-d8	2037-26-5	2500

Part number

AL0-101465

504.1 Calibraion Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2,3-Trichloropropane	96-18-4	2000
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	2000
1,2-Dibromoethane (EDB)	106-93-4	2000

Part number

AL0-101478

8010A Calibration Mix #1

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,1-Dichloroethene	75-35-4	2000
1,2,3-Trichloropropane	96-18-4	2000
1,2-Dichlorobenzene	95-50-1	2000
1,3-Dichlorobenzene	541-73-1	2000
Benzyl Chloride	100-44-7	2000
Bromodichloromethane	75-27-4	2000
Bromoform	75-25-2	2000
Carbon tetrachloride	56-23-5	2000
Chlorobenzene	108-90-7	2000
cis-1,3-Dichloropropene	10061-01-5	2000
Methylene chloride (dichloromethane)	75-09-2	2000
Tetrachloroethene	127-18-4	2000
trans-1,2-Dichloroethene	156-60-5	2000
trans-1,3-Dichloropropene	10061-02-6	2000
Trichloroethene	79-01-6	2000

Part number

AL0-101479

8010A Calibration Mix #2

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,1,1,2-Tetrachloroethane	630-20-6	2000
1,1,1-Trichloroethane	71-55-6	2000
1,1,2,2-Tetrachloroethane	79-34-5	2000
1,1,2-Trichloroethane	79-00-5	2000
1,1-Dichloroethane	75-34-3	2000
1,2-Dichloroethane	107-06-2	2000
1,2-Dichloropropane	78-87-5	2000
1,4-Dichlorobenzene	106-46-7	2000
Bromobenzene	108-86-1	2000
Chloroform	67-66-3	2000
Dibromochloromethane	124-48-1	2000
Dibromomethane	74-95-3	2000

Part number

AL0-101445

8260 Internal Standard Mix 1

2500 µg/mL in P&T Methanol, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
1,4-Dichlorobenzene-d4	3855-82-1	2500
1,4-Difluorobenzene	540-36-3	2500
Chlorobenzene-d5	3114-55-4	2500
Pentafluorobenzene	363-72-4	2500

Part number

AL0-101446

8260 Surrogate Standard 1

2500 µg/mL in P&T Methanol, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2-Dichloroethane-d4	17060-07-0	2500
4-Bromofluorobenzene	460-00-4	2500
Dibromofluoromethane	1868-53-7	2500
Toluene-d8	2037-26-5	2500

Part number

AL0-101481

8021 Surrogate Standard

1500 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,4-Dichlorobutane	11-56-5	1500
2-Bromochlorobenzene	694-80-4	1500

Part number

AL0-101482

8021/502.2 Surrogate Mix #1

2000 µg/mL in P&T Methanol

Analyte	CAS Number	µg/mL
1-Bromo-2-chloroethane	107-04-0	2000
1-chloro-3-fluorobenzene	625-98-9	2000
Fluorobenzene	462-06-6	2000

Part number

AL0-101486

8240/8260 System Performance Check Mix

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,1,2,2-Tetrachloroethane	79-34-5	2000
1,1-Dichloroethane	75-34-3	2000
Bromoform	75-25-2	2000
Chlorobenzene	108-90-7	2000
Chloromethane	74-87-3	2000

Part number

AL0-101480

8020A Calibration Mix

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2-Dichlorobenzene	95-50-1	2000
1,3-Dichlorobenzene	541-73-1	2000
1,4-Dichlorobenzene	106-46-7	2000
Benzene	71-43-2	2000
Chlorobenzene	108-90-7	2000
Ethylbenzene	100-41-4	2000
m-Xylene	108-38-3	2000
o-Xylene	95-47-6	2000
p-Xylene	106-42-3	2000
Toluene	108-88-3	2000

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Part number

AL0-101487

8260B Calibration Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,1,1,2-Tetrachloroethane	630-20-6	2000
1,1,1-Trichloroethane	71-55-6	2000
1,1,2,2-Tetrachloroethane	79-34-5	2000
1,1,2-Trichloroethane	79-00-5	2000
1,1,2-Trichlorotrifluoroethane	76-13-1	2000
1,1-Dichloroethane	75-34-3	2000
1,1-Dichloroethene	75-35-4	2000
1,1-Dichloropropene	563-58-6	2000
1,2,3-Trichlorobenzene	87-61-6	2000
1,2,3-Trichloropropane	96-18-4	2000
1,2,4-Trichlorobenzene	120-82-1	2000
1,2,4-Trimethylbenzene	95-63-6	2000
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	2000
1,2-Dibromoethane (EDB)	106-93-4	2000
1,2-Dichlorobenzene	95-50-1	2000
1,2-Dichloroethane	107-06-2	2000
1,2-Dichloropropane	78-87-5	2000
1,3,5-Trimethylbenzene	108-67-8	2000
1,3-Dichlorobenzene	541-73-1	2000
1,3-Dichloropropane	142-28-9	2000
1,4-Dichlorobenzene	106-46-7	2000
1,4-Dioxane	123-91-1	2000
2,2-Dichloropropane	594-20-7	2000
2-Chloroethanol	107-07-3	2000
2-Chlorotoluene	95-49-8	2000
2-Nitropropane	79-46-9	2000
4-Chlorotoluene	106-43-4	2000
4-Isopropyltoluene	99-87-6	2000
Acetonitrile	75-05-8	2000
Acrylonitrile	107-13-1	2000
Allyl chloride	107-05-1	2000
Benzene	71-43-2	2000
Bromobenzene	108-86-1	2000
Bromochloromethane	74-97-5	2000
Bromodichloromethane	75-27-4	2000
Bromoform	75-25-2	2000
Carbon disulfide	75-15-0	2000
Carbon tetrachloride	56-23-5	2000
Chlorobenzene	108-90-7	2000
Chloroform	67-66-3	2000
cis-1,2-Dichloroethene	156-59-2	2000
cis-1,3-Dichloropropene	10061-01-5	2000
cis-1,4-Dichloro-2-butene	1476-11-5	2000
Dibromochloromethane	124-48-1	2000
Dibromomethane	74-95-3	2000
Diethyl ether	60-29-7	2000
Ethyl methacrylate	97-63-2	2000
Ethylbenzene	100-41-4	2000
Hexachlorobutadiene	87-68-3	2000
Iodomethane	74-88-4	2000
Isobutanol	78-83-1	2000
Isopropylbenzene	98-82-8	2000
Methacrylonitrile	126-98-7	2000
Methyl acrylate	96-33-3	2000
Methyl methacrylate	80-62-6	2000
Methylene chloride (dichloromethane)	75-09-2	2000
m-Xylene	108-38-3	2000
Naphthalene	91-20-3	2000
n-Butylbenzene	104-51-8	2000
Nitrobenzene	98-95-3	2000
n-Propylbenzene	103-65-1	2000
o-Xylene	95-47-6	2000
Propionitrile	107-12-0	2000
p-Xylene	106-42-3	2000
sec-Butylbenzene	135-98-8	2000

*Cont'd***Part number**

AL0-101487

8260B Calibration Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Styrene	100-42-5	2000
tert-Butylbenzene	98-06-6	2000
Tetrachloroethene	127-18-4	2000
Tetrahydrofuran	109-99-9	2000
Toluene	108-88-3	2000
trans-1,2-Dichloroethene	156-60-5	2000
trans-1,3-Dichloropropene	10061-02-6	2000
Trichloroethene	79-01-6	2000

Part number

AL0-101488

8260 Matrix Spike Mix

2500 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,1-Dichloroethane	75-34-3	2500
Benzene	71-43-2	2500
Chlorobenzene	108-90-7	2500
Toluene	108-88-3	2500
Trichloroethene	79-01-6	2500

Part number

AL0-101499

602 Purgable Aromatics

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzene	71-43-2	2000
Chlorobenzene	108-90-7	2000
1,2-Dichlorobenzene	95-50-1	2000
1,3-Dichlorobenzene	541-73-1	2000
1,4-Dichlorobenzene	106-46-7	2000
Ethylbenzene	100-41-4	2000
Toluene	108-88-3	2000

Part number

AL0-101506

624 Internal Standard

1500 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Bromochloromethane	74-97-5	1500
2-Bromo-1-chloropropane	3017-95-6	1500
1,4-Dichlorobutane	110-56-5	1500

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Part number

AL0-101507

624 Calibration Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzene	71-43-2	2000
Bromodichloromethane	75-27-4	2000
Bromoform	75-25-2	2000
Carbon tetrachloride	56-23-5	2000
Chlorobenzene	108-90-7	2000
Chloroform	67-66-3	2000
Dibromochloromethane	124-48-1	2000
1,2-Dichlorobenzene	95-50-1	2000
1,3-Dichlorobenzene	541-73-1	2000
1,4-Dichlorobenzene	106-46-7	2000
1,1-Dichloroethane	75-34-3	2000
1,2-Dichloroethane	107-06-2	2000
1,1-Dichloroethene	75-35-4	2000
trans-1,2-Dichloroethene	156-60-5	2000
1,2-Dichloropropane	78-87-5	2000
cis-1,3-Dichloropropene	10061-01-5	2000
trans-1,3-Dichloropropene	10061-02-6	2000
Ethylbenzene	100-41-4	2000
Methylene chloride (dichloromethane)	75-09-2	2000
1,1,2,2-Tetrachloroethane	79-34-5	2000
Tetrachloroethene	127-18-4	2000
Toluene	108-88-3	2000
1,1,1-Trichloroethane	71-55-6	2000
1,1,2-Trichloroethane	79-00-5	2000
Trichloroethene	79-01-6	2000

Part number

AL0-101508

624 Surrogate Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4-Bromofluorobenzene	460-00-4	2000
Fluorobenzene	462-06-6	2000
Pentafluorobenzene	363-72-4	2000

Part number

AL0-101519

524 Internal Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4-Bromofluorobenzene	460-00-4	2000
1,2-Dichlorobenzene-d4	2199-69-1	2000
Fluorobenzene	462-06-6	2000

Part number

AL0-101549

HAP Standard

10000 µg/mL in Water, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acetaldehyde	75-07-0	10000
2-Butanone (MEK)	78-93-3	10000
Methanol	67-56-1	10000
Propionaldehyde	123-38-6	10000

Part number

AL0-101542

8260 IS/Surrogate Mix

5000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4-Bromofluorobenzene	460-00-4	5000
Chlorobenzene-d5	3114-55-4	5000
Dibromofluoromethane	1868-53-7	5000
1,4-Dichlorobenzene-d4	3855-82-1	5000
1,2-Dichloroethane-d4	17060-07-0	5000
1,4-Difluorobenzene	540-36-3	5000
Pentafluorobenzene	363-72-4	5000
Toluene-d8	2037-26-5	5000

Part number

AL0-101629

541 Calibration Standard

1000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Allyl alcohol	107-18-6	1000
1-Butanol	71-36-3	1000
2-Methoxyethanol	109-86-4	1000

Part number

AL0-101629

541 Calibration Standard

1000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Allyl alcohol	107-18-6	1000
1-Butanol	71-36-3	1000
2-Methoxyethanol	109-86-4	1000

Part number

AL0-101631

541 Calibration Standard

500 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Allyl alcohol	107-18-6	500
1-Butanol	71-36-3	500
1,4-Dioxane	123-91-1	500
2-Methoxyethanol	109-86-4	500

Part number

AL0-101660

524.2 Rev 4 Ketones Mix

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acetone	67-64-1	2000
2-Butanone (MEK)	78-93-3	2000
1,1-Dichloro-2-Propane	513-88-2	2000
2-Hexanone	591-78-6	2000
4-Methyl-2-pentanone (MIBK)	108-10-1	2000

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Part number

AL0-101571

Glycols Standard

50000 µg/mL in Water, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Ethylene glycol	107-21-1	50000
Propylene glycol	57-55-6	50000

Part number

AL0-101630

541 Internal Standard

1000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Chlorobenzene-d5	3114-55-4	1000
1,4-Dioxane-d8	17647-74-4	1000

Part number

AL0-101651

TCLP Volatiles Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzene	71-43-2	2000
2-Butanone (MEK)	78-93-3	2000
Carbon tetrachloride	56-23-5	2000
Chlorobenzene	108-90-7	2000
Chloroform	67-66-3	2000
1,4-Dichlorobenzene	106-46-7	2000
1,2-Dichloroethane	107-06-2	2000
1,1-Dichloroethene	75-35-4	2000
Tetrachloroethene	127-18-4	2000
Trichloroethene	79-01-6	2000
Vinyl chloride	75-01-4	2000

Part number

AL0-101663

SOM01.1 Non-Ketone Deuterated Monitoring Compounds

500 µg/mL in Methanol-OD, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzene-d6	1076-43-3	500
Chloroethane-d5	19199-91-8	500
Chloroform-d	865-49-6	500
1,2-Dichlorobenzene-d4	2199-69-1	500
1,2-Dichloroethane-d4	17060-07-0	500
1,1-Dichloroethene-d2	22280-73-5	500
1,2-Dichloropropane-d6	93952-08-0	500
1,3-Dichloropropane-d2	202656-23-3	500
1,1,2,2-Tetrachloroethane-d2	33685-54-0	500
Toluene-d8	2037-26-5	500
Vinyl Chloride-d3	6745-35-3	500

Part number

AL0-101661

524.2 Rev 4 Additions Mix

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acrylonitrile	107-13-1	2000
Allyl chloride	107-05-1	2000
Carbon disulfide	75-15-0	2000
Chloroacetonitrile	107-14-2	2000
1-Chlorobutane	109-69-3	2000
trans-1,4-Dichloro-2-butene	110-57-6	2000
Diethyl ether	60-29-7	2000
Ethyl methacrylate	97-63-2	2000
Hexachloroethane	67-72-1	2000
Methacrylonitrile	126-98-7	2000
Methyl acrylate	96-33-3	2000
Methyl-tert butyl ether (MTBE)	1634-04-4	2000
Methyl methacrylate	80-62-6	2000
Nitrobenzene	98-95-3	2000
2-Nitropropane	79-46-9	2000
Pentachloroethane	76-01-7	2000
Propionitrile	107-12-0	2000
Tetrahydrofuran	109-99-9	2000

Part number

AL0-101713

601 Purgable Halocarbons Mix

2000 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Bromodichloromethane	75-27-4	2000
Bromoform	75-25-2	2000
Chloroform	46-23-5	2000
Dibromochloroethane	109-90-7	2000
Carbon Tetrachloride	67-66-3	2000
Chlorobenzene	124-48-1	2000
1,2-Dichlorobenzene	95-50-1	2000
1,3-Dichlorobenzene	541-73-1	2000
1,4-Dichlorobenzene	106-46-7	2000
1,1-Dichloroethane	75-34-3	2000
1,2-Dichloroethane	107-06-2	2000
1,1-Dichloroethene	75-35-4	2000
trans-1,2-Dichloroethene	156-60-5	2000
1,2-Dichloropropane	78-87-5	2000
cis-1,3-Dichloropropene	10061-01-5	2000
trans-1,3-Dichloropropene	10061-02-6	2000
Methylene Chloride	75-09-2	2000
1,1,2,2-Tetrachloroethane	79-34-5	2000
Tetrachloroethene	127-18-4	2000
1,1,2-Trichloroethane	71-55-6	2000
Trichloroethene	79-00-5	2000
1,1,1-Trichloroethane	79-01-6	2000

Part number

AL0-101664

SOM01.1 Ketone Deuterated Monitoring Compounds

500 µg/mL in Methanol-OD/Deuterium Oxide (90:10), 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Butanone-d5	24313-50-6	500
2-Hexanone-d5	48-82-8	500

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Part number

AL0-101714

PVOC/GRO Mix

2000 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Benzene	71-43-2	2000
Ethylbenzene	100-41-4	2000
Methyl-tert butyl ether	1634-04-4	2000
Naphthalene	91-20-3	2000
Toluene	108-88-3	2000
1,2,4-Trimethylbenzene	95-63-6	2000
m-Xylene	108-63-6	2000
o-Xylene	95-47-6	2000
p-Xylene	106-42-3	2000

Part number

AL0-101716

VOA Surrogate Mix

1000 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
4-Bromofluorobenzene	460-00-4	2000
1,2-Dichloroethane-d4	17060-07-0	2000
Toluene-d8	2037-26-5	2000

Part number

AL0-101758

8260 Acetates Standard

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Butyl Acetate	123-86-4	2000
Ethyl Acetate	141-78-6	2000
Isopropyl Acetate	108-21-4	2000
Methyl Acetate	79-20-9	2000
Propyl Acetate	109-60-4	2000

Semivolatiles**Part number**

AL0-101233

PAH Plus Methylanththalenes

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1-Methylnaphthalene	90-12-0	2000
2-Methylnaphthalene	91-57-6	2000
Acenaphthene	83-32-9	2000
Acenaphthylene	208-96-8	2000
Anthracene	120-12-7	2000
Benzo(a)anthracene	56-55-3	2000
Benzo(a)pyrene	50-32-8	2000
Benzo(b)fluoranthene	205-99-2	2000
Benzo(g,h,i)perylene	191-24-2	2000
Benzo(k)fluoranthene	207-08-9	2000
Chrysene	218-01-9	2000
Dibenz(a,h)anthracene	53-70-3	2000
Fluoranthene	206-44-0	2000
Fluorene	86-73-7	2000
Indeno(1,2,3-cd)pyrene	193-39-5	2000
Naphthalene	91-20-3	2000
Phenanthrene	85-01-8	2000
Pyrene	129-00-0	2000

Part number

AL0-101234

8270 Phenols Standard

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2,3,4,6-Tetrachlorophenol	58-90-2	2000
2,3,5,6-Tetrachlorophenol	935-95-5	2000
2,4,5-Trichlorophenol	95-95-4	2000
2,4,6-Trichlorophenol	88-06-2	2000
2,4-Dichlorophenol	120-83-2	2000
2,4-Dimethylphenol	105-67-9	2000
2,4-Dinitrophenol	51-28-5	2000
2,6-Dichlorophenol	87-65-0	2000
2-Chlorophenol	95-57-8	2000
2-Methyl-4,6-Dinitrophenol	534-52-1	2000
2-Methylphenol	95-48-7	2000
2-Nitrophenol	88-75-5	2000
3-Methylphenol	108-39-4	2000
4-Chloro-3-methylphenol	59-50-7	2000
4-Methylphenol	106-44-5	2000
4-Nitrophenol	100-02-7	2000
Dinoseb	88-85-7	2000
Pentachlorophenol	87-86-5	2000
Phenol	108-95-2	2000

Part number

AL0-101236

PAH Standard

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	2000
Acenaphthylene	208-96-8	2000
Anthracene	120-12-7	2000
Benzo(a)anthracene	56-55-3	2000
Benzo(a)pyrene	50-32-8	2000
Benzo(b)fluoranthene	205-99-2	2000
Benzo(g,h,i)perylene	191-24-2	2000
Benzo(k)fluoranthene	207-08-9	2000
Chrysene	218-01-9	2000
Dibenz(a,h)anthracene	53-70-3	2000
Fluoranthene	206-44-0	2000
Fluorene	86-73-7	2000
Indeno(1,2,3-cd)pyrene	193-39-5	2000
Naphthalene	91-20-3	2000
Phenanthrene	85-01-8	2000
Pyrene	129-00-0	2000

Part number

AL0-101239

SV B/N Surrogate Mix

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Fluorobiphenyl	321-60-8	2000
Nitrobenzene-d5	4165-60-0	2000
p-Terphenyl-d14	1718-51-0	2000

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Part number

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Appendix IX Mix 1

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,4-Phenylenediamine	106-50-3	2000
1-Naphthylamine	134-32-7	2000
2-Acetylaminofluorene	53-96-3	2000
2-Naphthylamine	91-59-8	2000
2-Picoline	109-06-8	2000
3,3'-Dimethylbenzidine	119-93-7	2000
4-Aminobiphenyl	92-67-1	2000
5-Nitro-o-toluidine	99-55-8	2000
n-Nitrosodiethylamine	55-18-5	2000
N-Nitrosodi-n-butylamine	924-16-3	2000
n-Nitrosomethylethylamine	10595-95-6	2000
n-Nitrosomorpholine	59-89-2	2000
n-Nitrosopiperidine	100-75-4	2000
n-Nitrosopyrrolidine	930-55-2	2000
o-Toluidine	95-53-4	2000
p-Dimethylaminoazobenzene	60-11-7	2000

Part number

AL0-101238

SV Internal Standard Mix

4000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,4-Dichlorobenzene-d4	3855-82-1	4000
Acenaphthene-d10	15067-26-2	4000
Chrysene-d12	1719-03-5	4000
Naphthalene-d8	1146-65-2	4000
Perylene-d12	1520-96-3	4000
Phenanthrene-d10	1517-22-2	4000

Part number

AL0-101618

SV Internal Standard Mix

4000 µg/mL in Methylene chloride, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
1,4-Dichlorobenzene-d4	3855-82-1	4000
Acenaphthene-d10	15067-26-2	4000
Chrysene-d12	1719-03-5	4000
Naphthalene-d8	1146-65-2	4000
Perylene-d12	1520-96-3	4000
Phenanthrene-d10	1517-22-2	4000

Part number

AL0-101241

SV Acids Surrogate Mix

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2,4,6-Tribromophenol	118-79-6	2000
2-Fluorophenol	367-12-4	2000
Phenol-d6	13127-88-3	2000

Part number

AL0-101242

SV Acids Surrogate Mix

5000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2,4,6-Tribromophenol	118-79-6	5000
2-Fluorophenol	367-12-4	5000
Phenol-d6	13127-88-3	5000

Part number

AL0-101240

SV B/N Surrogate Mix

5000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Fluorobiphenyl	321-60-8	5000
Nitrobenzene-d5	4165-60-0	5000
p-Terphenyl-d14	1718-51-0	5000

Part number

AL0-101244

Benzidines Standard

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
3,3'-Dichlorobenzidine	91-94-1	2000
Benzidine	92-87-5	2000

Part number

AL0-101252

SV BNA Surrogate Mix

4000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2,4,6-Tribromophenol	118-79-6	4000
2-Fluorobiphenyl	321-60-8	4000
2-Fluorophenol	367-12-4	4000
Nitrobenzene-d5	4165-60-0	4000
Phenol-d6	13127-88-3	4000
p-Terphenyl-d14	1718-51-0	4000

Part number

AL0-101447

SV Acids Surrogate Mix

10000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Chlorophenol	95-57-8	10000
4-Chloro-3-methylphenol	59-50-7	10000
4-Nitrophenol	100-02-7	10000
Pentachlorophenol	87-86-5	10000
Phenol	108-95-2	10000

Part number

AL0-101448

SV Acids Surrogate Mix

10000 µg/mL in Methanol, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Chlorophenol	95-57-8	10000
4-Chloro-3-methylphenol	59-50-7	10000
4-Nitrophenol	100-02-7	10000
Pentachlorophenol	87-86-5	10000
Phenol	108-95-2	10000

Part number

AL0-101449

SV Acids Surrogate Mix, 10 mL

10000 µg/mL in Methanol, 10 mL Ampoule

Analyte	CAS Number	µg/mL
2-Chlorophenol	95-57-8	10000
4-Chloro-3-methylphenol	59-50-7	10000
4-Nitrophenol	100-02-7	10000
Pentachlorophenol	87-86-5	10000
Phenol	108-95-2	10000

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Part number

AL0-101243

8270 Benzidines Standard

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
3,3'-Dichlorobenzidine	91-94-1	2000
3,3'-Dimethylbenzidine	119-93-7	2000
Benzidine	92-87-5	2000

Part number

AL0-101444

8270 Calibration Standard A

1000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2,4-Trichlorobenzene	120-82-1	1000
1,2-Dichlorobenzene	95-50-1	1000
1,2-Dinitrobenzene	528-29-0	1000
1,3-Dichlorobenzene	541-73-1	1000
1,3-Dinitrobenzene	99-65-0	1000
1,4-Dichlorobenzene	106-46-7	1000
1,4-Dinitrobenzene	100-25-4	1000
1-Methylnaphthalene	90-12-0	1000
2,3,4,6-Tetrachlorophenol	58-90-2	1000
2,3,5,6-Tetrachlorophenol	935-95-5	1000
2,4,5-Trichlorophenol	95-95-4	1000
2,4,6-Trichlorophenol	88-06-2	1000
2,4-Dichlorophenol	120-83-2	1000
2,4-Dimethylphenol	105-67-9	1000
2,4-Dinitrophenol	51-28-5	1000
2,4-Dinitrotoluene	121-14-2	1000
2,6-Dinitrotoluene	606-20-2	1000
2-Chloronaphthalene	91-58-7	1000
2-Chlorophenol	95-57-8	1000
2-Methyl-4,6-Dinitrophenol	534-52-1	1000
2-Methylnaphthalene	91-57-6	1000
2-Methylphenol	95-48-7	1000
2-Nitroaniline	88-74-4	1000
2-Nitrophenol	88-75-5	1000
3-Methylphenol	108-39-4	500
3-Nitroaniline	99-09-2	1000
4-Bromophenyl phenyl ether	101-55-3	1000
4-Chloro-3-methylphenol	59-50-7	1000
4-Chloroaniline	106-47-8	1000
4-Chlorophenyl phenyl ether	7005-72-3	1000
4-Methylphenol	106-44-5	500
4-Nitroaniline	100-01-6	1000
4-Nitrophenol	100-02-7	1000
Acenaphthene	83-32-9	1000
Acenaphthylene	208-96-8	1000
Anthracene	120-12-7	1000
Azobenzene	103-33-3	1000
Benzo(a)anthracene	56-55-3	1000
Benzo(a)pyrene	50-32-8	1000
Benzo(b)fluoranthene	205-99-2	1000
Benzo(g,h,i)perylene	191-24-2	1000
Benzo(k)fluoranthene	207-08-9	1000
Benzyl alcohol	100-51-6	1000
Benzyl butyl phthalate	85-68-7	1000
bis(2-Chloroethoxy)methane	111-91-1	1000
bis(2-Chloroethyl) ether	111-44-4	1000
bis(2-Chloroisopropyl) ether	108-60-1	1000
bis(2-Ethylhexyl) adipate	103-23-1	1000
bis(2-Ethylhexyl) phthalate	117-81-7	1000
Carbazole	86-74-8	1000
Chrysene	218-01-9	1000
Dibenz(a,h)anthracene	53-70-3	1000
Dibenzofuran	132-64-9	1000
Diethyl phthalate	84-66-2	1000
Dimethyl phthalate	131-11-3	1000

AL0-101444

8270 Calibration Standard A

1000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Di-n-butyl phthalate	84-74-2	1000
Di-n-octyl phthalate	117-84-0	1000
Fluoranthene	206-44-0	1000
Fluorene	86-73-7	1000
Hexachlorobenzene	118-74-1	1000
Hexachlorobutadiene	87-68-3	1000
Hexachlorocyclopentadiene	77-47-4	1000
Hexachloroethane	67-72-1	1000
Indeno(1,2,3-cd)pyrene	193-39-5	1000
Isophorone	78-59-1	1000
Naphthalene	91-20-3	1000
Nitrobenzene	98-95-3	1000
N-Nitrosodimethylamine	62-75-9	1000
N-Nitrosodi-n-propylamine	621-64-7	1000
N-Nitrosodiphenylamine	86-30-6	1000
Pentachlorophenol	87-86-5	1000
Phenanthrene	85-01-8	1000
Phenol	108-95-2	1000
Pyrene	129-00-0	1000
Pyridine	110-86-1	1000

Part number

AL0-101450

SV B/N Surrogate Mix

5000 µg/mL in Methylene chloride, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Fluorophenol	367-12-4	5000
Nitrobenzene-d5	4165-60-0	5000
p-Terphenyl-d14	1718-51-0	5000

Part number

AL0-101251

SV BNA Surrogate Mix

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2,4,6-Tribromophenol	118-79-6	2000
2-Fluorobiphenyl	321-60-8	2000
2-Fluorophenol	367-12-4	2000
Nitrobenzene-d5	4165-60-0	2000
Phenol-d6	13127-88-3	2000
p-Terphenyl-d14	1718-51-0	2000

Part number

AL0-101291

SV GC/MS Tuning Mix

1000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4,4'-DDT	50-29-3	1000
Benzidine	92-87-5	1000
Decafluorotriphenylphosphine (DFTPP)	5074-71-5	1000
Pentachlorophenol	87-86-5	1000

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Part number

AL0-101451

SV B/N Surrogate Mix

5000 µg/mL in Methylene chloride, 10 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Fluorophenol	367-12-4	5000
Nitrobenzene-d5	4165-60-0	5000
p-Terphenyl-d14	1718-51-0	5000

Part number

AL0-101454

SV Tuning Compound DFTPP

2500 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Decafluorotriphenylphosphine (DFTPP)	5074-71-5	2500

Part number

AL0-101491

Appendix IX Mix 3

1000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acetophenone	98-86-2	1000
Aramite	140-57-8	1000
Atrazine	1912-24-9	1000
Benzaldehyde	100-52-7	1000
Biphenyl	92-52-4	1000
Epsilon-Caprolactam	105-60-2	1000
Chlorobenzilate	510-15-6	1000
1-Chloronaphthalene	90-13-1	1000
Di-Allate	2303-16-4	1000
Dibenz(a,j)acridine	224-42-0	1000
2,6-Dichlorophenol	87-65-0	1000
7,12-Dimethylbenz(a)anthracene	57-97-6	1000
1,4-Dioxane	123-91-1	1000
Diphenyl ether	101-84-8	1000
Ethyl methacrylate	97-63-2	1000
Ethyl methanesulfonate	62-50-0	1000
Hexachloropropene	1888-71-7	1000
Isodrin	465-73-6	1000
Isosafrole (cis & trans)	120-58-1	1000
Kepone	143-50-0	1000
3-Methylcholanthrene	56-49-5	1000
Methyl methanesulfonate	66-27-3	1000
1,4-Naphthoquinone	130-15-4	1000
4-Nitroquinoline 1-oxide	56-57-5	1000
Pentachlorobenzene	608-93-5	1000
Pentachloroethane	76-01-7	1000
Pentachloronitrobenzene	82-68-8	1000
Phenacetin	62-44-2	1000
Pronamide (Propylamide)	23950-58-5	1000
Safrole	94-59-7	1000
1,2,4,5-Tetrachlorobenzene	95-94-3	1000
1,3,5-Trinitrobenzene	99-35-4	1000

Part number

AL0-101492

8270 Matrix Spike Mix

200 µg/mL in Methanol/ Methylene chloride (80:20),

5 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	200
Acenaphthylene	208-96-8	200
Anthracene	120-12-7	200
Azobenzene	103-33-3	200
Benzo(a)anthracene	56-55-3	200
Benzo(a)pyrene	50-32-8	200
Benzo(b)fluoranthene	205-99-2	200
Benzo(g,h,i)perylene	191-24-2	200
Benzo(k)fluoranthene	207-08-9	200
Benzyl alcohol	100-51-6	200
Benzyl butyl phthalate	85-68-7	200
4-Bromophenyl phenyl ether	101-55-3	200
Carbazole	86-74-8	200
4-Chloroaniline	106-47-8	200
bis(2-Chloroethyl) ether	111-44-4	200
bis(2-Chloroethoxy)methane	111-91-1	200
bis(2-Chloroisopropyl) ether	108-60-1	200
4-Chloro-3-methylphenol	59-50-7	200
2-Chloronaphthalene	91-58-7	200
2-Chlorophenol	95-57-8	200
4-Chlorophenyl phenyl ether	7005-72-3	200
Chrysene	218-01-9	200
Dibenz(a,h)anthracene	53-70-3	200
Dibenzofuran	132-64-9	200
Di-n-butyl phthalate	84-74-2	200
1,2-Dichlorobenzene	95-50-1	200
1,3-Dichlorobenzene	541-73-1	200
1,4-Dichlorobenzene	106-46-7	200
2,4-Dichlorophenol	120-83-2	200
Diethyl phthalate	84-66-2	200
2,4-Dimethylphenol	105-67-9	200
Dimethyl phthalate	131-11-3	200
1,2-Dinitrobenzene	528-29-0	200
1,3-Dinitrobenzene	99-65-0	200
1,4-Dinitrobenzene	100-25-4	200
2,4-Dinitrophenol	51-28-5	200
2,4-Dinitrotoluene	121-14-2	200
2,6-Dinitrotoluene	606-20-2	200
Di-n-octyl phthalate	117-84-0	200
bis(2-Ethylhexyl) adipate	103-23-1	200
bis(2-Ethylhexyl) phthalate	117-81-7	200
Fluoranthene	206-44-0	200
Fluorene	86-73-7	200
Hexachlorobenzene	118-74-1	200
Hexachlorobutadiene	87-68-3	200
Hexachlorocyclopentadiene	77-47-4	200
Hexachloroethane	67-72-1	200
Indeno(1,2,3-cd)pyrene	193-39-5	200
Isophorone	78-59-1	200
2-Methyl-4,6-Dinitrophenol	534-52-1	200
1-Methylnaphthalene	90-12-0	200
2-Methylnaphthalene	91-57-6	200
2-Methylphenol	95-48-7	200
3-Methylphenol	108-39-4	100
4-Methylphenol	106-44-5	100
Naphthalene	91-20-3	200
2-Nitroaniline	88-74-4	200
3-Nitroaniline	99-09-2	200
4-Nitroaniline	100-01-6	200
Nitrobenzene	98-95-3	200
2-Nitrophenol	88-75-5	200
4-Nitrophenol	100-02-7	200
N-Nitrosodimethylamine	62-75-9	200
N-Nitrosodiphenylamine	86-30-6	200

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Part number

AL0-101492

8270 Matrix Spike Mix200 µg/mL in Methanol/ Methylene chloride (80:20),
5 mL/Ampoule

Analyte	CAS Number	µg/mL
N-Nitrosodi-n-propylamine	621-64-7	200
Pentachlorophenol	87-86-5	200
Phenanthrene	85-01-8	200
Phenol	108-95-2	200
Pyrene	129-00-0	200
Pyridine	110-86-1	200
2,3,4,6-Tetrachlorophenol	58-90-2	200
2,3,5,6-Tetrachlorophenol	935-95-5	200
1,2,4-Trichlorobenzene	120-82-1	200
2,4,5-Trichlorophenol	95-95-4	200
2,4,6-Trichlorophenol	88-06-2	200

Part number

AL0-101493

Acid Matrix Spike Mix

2000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4-Chloro-3-methylphenol	59-50-7	2000
2-Chlorophenol	95-57-8	2000
4-Nitrophenol	100-02-7	2000
Pentachlorophenol	87-86-5	2000
Phenol	108-95-2	2000

Part number

AL0-101494

Acid Matrix Spike Mix

10000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4-Chloro-3-methylphenol	59-50-7	10000
2-Chlorophenol	95-57-8	10000
4-Nitrophenol	100-02-7	10000
Pentachlorophenol	87-86-5	10000
Phenol	108-95-2	10000

Part number

AL0-101495

Acid Matrix Spike Mix

10000 µg/mL in Methanol, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
4-Chloro-3-methylphenol	59-50-7	10000
2-Chlorophenol	95-57-8	10000
4-Nitrophenol	100-02-7	10000
Pentachlorophenol	87-86-5	10000
Phenol	108-95-2	10000

Part number

AL0-101496

8310 PAH Mixure

500 µg/mL in Acn/Tol (92:8), 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	500
Acenaphthylene	208-96-8	500
Anthracene	120-12-7	500
Benzo(a)anthracene	56-55-3	500
Benzo(a)pyrene	50-32-8	500
Benzo(b)fluoranthene	205-99-2	500
Benzo(g,h,i)perylene	191-24-2	500
Benzo(k)fluoranthene	207-08-9	500
Chrysene	218-01-9	500
Dibenzo(a,h)anthracene	53-70-3	500
Fluoranthene	206-44-0	500
Fluorene	86-73-7	500
Indeno(1,2,3-cd)pyrene	193-39-5	500
1-Methylnaphthalene	90-12-0	500
2-Methylnaphthalene	91-57-6	500
Naphthalene	91-20-3	500
Phenanthrene	85-01-8	500
Pyrene	129-00-0	500

Part number

AL0-101497

8310 QC Check Mix

5-100 µg/mL in Acetonitrile, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	100
Acenaphthylene	208-96-8	100
Anthracene	120-12-7	100
Benzo(a)anthracene	56-55-3	10
Benzo(a)pyrene	50-32-8	10
Benzo(b)fluoranthene	205-99-2	10
Benzo(g,h,i)perylene	191-24-2	10
Benzo(k)fluoranthene	207-08-9	5
Chrysene	218-01-9	10
Dibenzo(a,h)anthracene	53-70-3	10
Fluoranthene	206-44-0	10
Fluorene	86-73-7	100
Indeno(1,2,3-cd)pyrene	193-39-5	10
1-Methylnaphthalene	90-12-0	100
2-Methylnaphthalene	91-57-6	100
Naphthalene	91-20-3	100
Phenanthrene	85-01-8	100
Pyrene	129-00-0	10

Part number

AL0-101498

8310 Surrogate Standard

1000 µg/mL in Acetonitrile, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Decafluorobiphenyl (434-90-2)	434-90-2	1000

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Part number

AL0-101500

604 Phenols

2000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4-Chloro-3-methylphenol	59-50-7	2000
2-Chlorophenol	95-57-8	2000
2,4-Dichlorophenol	120-83-2	2000
2,4-Dimethylphenol	105-67-9	2000
2,4-Dinitrophenol	51-28-5	2000
2-Methyl-4,6-Dinitrophenol	534-52-1	2000
2-Nitrophenol	88-75-5	2000
4-Nitrophenol	100-02-7	2000
Pentachlorophenol	87-86-5	2000
Phenol	108-95-2	2000
2,4,6-Trichlorophenol	88-06-2	2000

Part number

AL0-101501

605 Benzidines

2000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzidine	92-87-5	2000
3,3'-Dichlorobenzidine	91-94-1	2000

Part number

AL0-101502

606 Phthalates

2000 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Bis(2-ethylhexyl)phthalate	117-81-7	2000
Benzyl butyl phthalate	85-68-7	2000
Di-n-butyl phthalate	84-74-2	2000
Diethylphthalate	84-66-2	2000
Dimethylphthalate	131-11-3	2000
Di-n-octyl phthalate	117-84-0	2000

Part number

AL0-101504

610 PAH Mix A

500-1000 µg/mL in Methylene chloride, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	1000
Acenaphthylene	208-96-8	1000
Anthracene	120-12-7	1000
Benzo(a)anthracene	56-55-3	500
Benzo(a)pyrene	50-32-8	500
Benzo(b)fluoranthene	205-99-2	500
Benzo(k)fluoranthene	207-08-9	500
Benzo(g,h,i)perylene	131-24-2	500
Chrysene	218-01-9	500
Dibenzo(a,h)anthracene	53-70-3	500
Fluoranthene	206-44-0	500
Fluorene	86-73-7	500
Indeno(1,2,3-cd)pyrene	193-39-5	500
Naphthalene	91-20-3	1000
Phenanthrene	85-01-8	500
Pyrene	129-00-0	500

Part number

AL0-101509

625 Calibration Standard

1000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	1000
Acenaphthylene	208-96-8	1000
Anthracene	120-12-7	1000
Benzo(a)anthracene	56-55-3	1000
Benzo(a)pyrene	50-32-8	1000
Benzo(b)fluoranthene	205-99-2	1000
Benzo(g,h,i)perylene	191-24-2	1000
Benzo(k)fluoranthene	207-08-9	1000
Benzyl butyl phthalate	85-68-7	1000
bis(2-Chloroethoxy)methane	111-91-1	1000
bis(2-Chloroethyl) ether	111-44-4	1000
bis(2-Chloroisopropyl) ether	108-60-1	1000
bis(2-Ethylhexyl) phthalate	117-81-7	1000
4-Bromophenyl phenyl ether	101-55-3	1000
4-Chloro-3-methylphenol	59-50-7	1000
2-Chloronaphthalene	91-58-7	1000
2-Chlorophenol	95-57-8	1000
4-Chlorophenyl phenyl ether	7005-72-3	1000
Chrysene	218-01-9	1000
Dibenzo(a,h)anthracene	53-70-3	1000
1,2-Dichlorobenzene	95-50-1	1000
1,3-Dichlorobenzene	541-73-1	1000
1,4-Dichlorobenzene	106-46-7	1000
2,4-Dichlorophenol	120-83-2	1000
Diethyl phthalate	84-66-2	1000
2,4-Dimethylphenol	105-67-9	1000
Dimethyl phthalate	131-11-3	1000
Di-n-butyl phthalate	84-74-2	1000
2,4-Dinitrophenol	51-28-5	1000
2,4-Dinitrotoluene	121-14-2	1000
2,6-Dinitrotoluene	606-20-2	1000
Di-n-octyl phthalate	117-84-0	1000
Fluoranthene	206-44-0	1000
Fluorene	86-73-7	1000
Hexachlorobenzene	118-74-1	1000
Hexachlorobutadiene	87-68-3	1000
Hexachlorocyclopentadiene	77-47-4	1000
Hexachloroethane	67-72-1	1000
Indeno(1,2,3-cd)pyrene	193-39-5	1000
Isophorone	78-59-1	1000
2-Methyl-4,6-Dinitrophenol	534-52-1	1000
Naphthalene	91-20-3	1000
Nitrobenzene	98-95-3	1000
2-Nitrophenol	88-75-5	1000
4-Nitrophenol	100-02-7	1000
N-Nitrosodi-n-propylamine	621-64-7	1000
N-Nitrosodiphenylamine	86-30-6	1000
Pentachlorophenol	87-86-5	1000
Phenanthrene	85-01-8	1000
Phenol	108-95-2	1000
Pyrene	129-00-0	1000
1,2,4-Trichlorobenzene	120-82-1	1000
2,4,6-Trichlorophenol	88-06-2	1000

Part number

AL0-101526

525.2 Internal Standard

1000 µg/mL in Acetone, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene-d10	15067-26-2	1000
Chrysene-d12	1719-03-5	1000
Phenanthrene-d10	1517-22-2	1000

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Part number

AL0-101505

610 PAH Mix B

100-2000 µg/mL in Methylene chloride/Methanol (1:1)

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	1000
Acenaphthylene	208-96-8	2000
Anthracene	120-12-7	100
Benzo(a)anthracene	56-55-3	100
Benzo(a)pyrene	50-32-8	100
Benzo(b)fluoranthene	205-99-2	200
Benzo(g,h,i)perylene	191-24-2	200
Benzo(k)fluoranthene	207-08-9	100
Chrysene	218-01-9	100
Dibenz(a,h)anthracene	53-70-3	200
Fluoranthene	206-44-0	200
Fluorene	86-73-7	200
Indeno(1,2,3-cd)pyrene	193-39-5	100
Naphthalene	91-20-3	1000
Phenanthrene	85-01-8	100
Pyrene	129-00-0	100

Part number

AL0-101524

525.2 GC-MS Performance Check Mix

1000 µg/ml in Acetone, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4,4'-DDT	50-29-3	1000
DFTPP (decafluorotriphenylphosphine)	5074-71-5	1000
Endrin	72-20-8	1000

Part number

AL0-101525

525.2 Semivolatiles Mix

1000-4000 µg/mL in Acetone, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthylene	208-96-8	1000
Anthracene	120-12-7	1000
Benzo(a)anthracene	56-55-3	1000
Benzo(a)pyrene	50-32-8	1000
Benzo(b)fluoranthene	205-99-2	1000
Benzo(g,h,i)perylene	191-24-2	1000
Benzo(k)fluoranthene	207-08-9	1000
Benzyl butyl phthalate	85-68-7	1000
bis(2-Ethylhexyl) adipate	103-23-1	1000
bis(2-Ethylhexyl) phthalate	117-81-7	1000
Chrysene	218-01-9	1000
Dibenz(a,h)anthracene	53-70-3	1000
Di-n-butyl phthalate	84-74-2	1000
Diethyl phthalate	84-66-2	1000
Dimethyl phthalate	131-11-3	1000
2,4-Dinitrotoluene	121-14-2	1000
2,6-Dinitrotoluene	606-20-2	1000
Di-n-octyl phthalate	117-84-0	1000
Fluoranthene	206-44-0	1000
Fluorene	86-73-7	1000
Hexachlorobenzene	118-74-1	1000
Hexachlorocyclopentadiene	77-47-4	1000
Indeno(1,2,3-cd)pyrene	193-39-5	1000
Isophorone	78-59-1	1000
Naphthalene	91-20-3	1000
Pentachlorophenol	87-86-5	1000
Phenanthrene	85-01-8	1000
Pyrene	129-00-0	1000

Part number

AL0-101527

525.2 Surrogate Standard

1000 µg/mL in Acetone, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,3-Dimethyl-2-nitrobenzene	81-20-9	1000
Perylene-d12	1520-96-3	1000
Pyrene-d10	1718-52-1	1000
Triphenylphosphate	115-86-6	1000

Part number

AL0-101532

552 Internal Standard

1000 µg/mL in MTBE, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2,3-Trichloropropane	96-18-4	1000

Part number

AL0-101533

552.2 Surrogate Standard

1000 µg/mL in MTBE, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2,3-Dibromopropionic acid	600-05-5	1000

Part number

AL0-101538

B/N Matrix Spike Mix

1000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	1000
1,4-Dichlorobenzene	106-46-7	1000
2,4-Dinitrotoluene	121-14-2	1000
N-Nitrosodi-n-propylamine	621-64-7	1000
Pyrene	129-00-0	1000
1,2,4-Trichlorobenzene	120-82-1	1000

Part number

AL0-101539

B/N Matrix Spike Mix

5000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	5000
1,4-Dichlorobenzene	106-46-7	5000
2,4-Dinitrotoluene	121-14-2	5000
N-Nitrosodi-n-propylamine	621-64-7	5000
Pyrene	129-00-0	5000
1,2,4-Trichlorobenzene	120-82-1	5000

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Part number

AL0-101534

Haloacetic Acid Standard

1000 µg/mL in MTBE, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Bromoacetic Acid	79-08-3	1000
Bromochloroacetic Acid	5589-96-8	1000
Bromodichloroacetic acid	71133-14-7	1000
Chloroacetic Acid	79-11-8	1000
Chlorodibromoacetic acid	5278-95-5	1000
Dibromoacetic Acid	631-64-1	1000
Dichloroacetic Acid	79-43-6	1000
Tribromoacetic acid	75-96-7	1000
Trichloroacetic Acid	76-03-9	1000

Part number

AL0-101535

552 Haloacetic Acid Standard

1000 µg/mL in MTBE, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Bromoacetic Acid	79-08-3	1000
Bromochloroacetic Acid	5589-96-8	1000
Chloroacetic Acid	79-11-8	1000
Dibromoacetic Acid	631-64-1	1000
Dichloroacetic Acid	79-43-6	1000
Trichloroacetic Acid	76-03-9	1000

Part number

AL0-101540

B/N Matrix Spike Mix

5000 µg/mL in Methanol, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	5000
1,4-Dichlorobenzene	106-46-7	5000
2,4-Dinitrotoluene	121-14-2	5000
N-Nitrosodi-n-propylamine	621-64-7	5000
Pyrene	129-00-0	5000
1,2,4-Trichlorobenzene	120-82-1	5000

Part number

AL0-101548

BN Extractables Standard

500 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthylene	208-96-8	500
Anthracene	120-12-7	500
Benzo(a)anthracene	56-55-3	500
bis(2-Chloroethoxy)methane	111-91-1	500
Chrysene	218-01-9	500
Dibenz(a,h)anthracene	53-70-3	500
1,2-Dichlorobenzene	95-50-1	500
1,3-Dichlorobenzene	541-73-1	500
Diethyl phthalate	84-66-2	500
2,4-Dinitrotoluene	121-14-2	500
Fluorene	86-73-7	500
Hexachlorobenzene	118-74-1	500
Hexachlorobutadiene	87-68-3	500
Naphthalene	91-20-3	500
Pyrene	129-00-0	500

Part number

AL0-101569

B/N Surrogate Mix 2

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2-Dichlorobenzene-d4	2199-69-1	5000
2-Fluorobiphenyl	321-60-8	5000
Nitrobenzene-d5	4165-60-0	5000
p-Terphenyl-d14	1718-51-0	5000

Part number

AL0-101570

Acids Surrogate Mix 2

5000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Chlorophenol-d4	93951-73-6	5000
2-Fluorophenol	367-12-4	5000
Phenol-d6	13127-88-3	5000
2,4,6-Tribromophenol	118-79-6	5000

Part number

AL0-101619

605 Benzidines

2000 µg/mL in Methanol, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzidine	92-87-5	2000
3,3'-Dichlorobenzidine	91-94-1	2000

Part number

AL0-101620

SV B/N Surrogate Mix

2000 µg/mL in Methylene chloride, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Fluorobiphenyl	321-60-8	2000
Nitrobenzene-d5	4165-60-0	2000
p-Terphenyl-d14	1718-51-0	2000

Part number

AL0-101626

530 Calibration Standard

1000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Butylated Hydroxyanisole (BHA)	25013-16-5	1000
o-Toluidine	95-53-4	1000
Quinoline	91-22-5	1000

Part number

AL0-101627

530 Surrogate Standard

500 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Quinoline-d7	34071-94-8	1000
o-Toluidine-d9	194423-47-7	1000

Part number

AL0-101628

530 Internal Standard

500 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene-d10	15067-26-2	1000
Phenanthrene-d10	1517-22-2	1000

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Part number

ALO-101534

Haloacetic acid Standard

1000 µg/mL in MTBE, 1 mL/Ampoule

Part number

ALO-101567

B/N Surrogate Mix 2

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,2-Dichlorobenzene-d4	2199-69-1	2000
2-Fluorobiphenyl	321-60-8	2000
Nitrobenzene-d5	4165-60-0	2000
p-Terphenyl-d14	1718-51-0	2000

Part number

ALO-101568

Acids Surrogate Mix 2

2000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Chlorophenol-d4	93951-73-6	2000
2-Fluorophenol	367-12-4	2000
Phenol-d6	13127-88-3	2000
2,4,6-Tribromophenol	118-79-6	2000

Part number

ALO-101621

SV Acids Surrogate Mix

2000 µg/mL in Methylene chloride, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
2,4,6-Tribromophenol	118-79-6	2000
2-Fluorophenol	367-12-4	2000
Phenol-d6	13127-88-3	2000

Part number

ALO-101622

SV Acids Surrogate Mix

2000 µg/mL in Methylene chloride, 10 mL/Ampoule

Analyte	CAS Number	µg/mL
2,4,6-Tribromophenol	118-79-6	2000
2-Fluorophenol	367-12-4	2000
Phenol-d6	13127-88-3	2000

Part number

ALO-101639

SIM PAH Surrogate Mix

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Fluoranthene-d10	93951-69-0	2000
2-Methylnaphthalene-d10	7297-45-2	2000

Part number

ALO-101652

TCLP BNA Mix

2000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Methylphenol	95-48-7	2000
3-Methylphenol	108-39-4	2000
4-Methylphenol	106-44-5	2000
1,4-Dichlorobenzene	106-46-7	2000
2,4-Dinitrotoluene	121-14-2	2000
Hexachlorobenzene	118-74-1	2000
Hexachlorobutadiene	87-68-3	2000
Hexachloroethane	67-72-1	2000
Nitrobenzene	98-95-3	2000
Pentachlorophenol	87-86-5	2000
Pyridine	110-86-1	2000
2,4,5-Trichlorophenol	95-95-4	2000
2,4,6-Trichlorophenol	88-06-2	2000

Part number

ALO-101674

Acids Surrogate Mix 2

7500 µg/mL in Methanol, 5 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Chlorophenol-d4	93951-73-6	7500
2-Fluorophenol	367-12-4	7500
Phenol-d6	13127-88-3	7500
2,4,6-Tribromophenol	118-79-6	7500

Part number

ALO-101676

PAH Supplement Mix

1000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzo[j]fluoranthene	205-82-3	1000
Dibenz[a,h]acridine	226-36-8	1000
Dibenz[a,j]acridine	224-42-0	1000
7H-Dibenzo[c,g]carbazole	194-59-2	1000
Dibenzo[a,e]pyrene	192-65-4	1000
Dibenzo[a,h]pyrene	189-64-0	1000
Dibenzo[a,i]pyrene	189-55-9	1000
3-Methylcholanthrene	56-49-5	1000

Part number

ALO-101677

8270 Matrix Spike Mix

200 µg/mL in Methanol/ Methylene chloride (80:20), 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	200
Acenaphthylene	208-96-8	200
Aniline	62-53-3	200
Anthracene	120-12-7	200
Azobenzene	103-33-3	200
Benz[a]anthracene	56-55-3	200
Benzo[a]pyrene	50-32-8	200
Benzo[b]fluoranthene	205-99-2	200
Benzo[g,h,i]perylene	191-24-2	200
Benzo[k]fluoranthene	207-08-9	200
Benzyl alcohol	100-51-6	200
Benzyl butyl phthalate	85-68-7	200
Bis(2-ethylhexyl)adipate	103-23-1	200
Bis(2-chloroethoxy)methane	111-91-1	200
Bis(2-chloroethyl)ether	111-44-4	200
Bis(2-ethylhexyl)phthalate	117-81-7	200
4-Bromophenyl phenyl ether	101-55-3	200
Carbazole	86-74-8	200
4-Chloroaniline	106-47-8	200
4-Chloro-3-methylphenol	59-50-7	200
2-Chloronaphthalene	91-58-7	200
2-Chlorophenol	95-57-8	200
4-Chlorophenyl phenyl ether	7005-72-3	200
Chrysene	218-01-9	200
Dibenz[a,h]anthracene	53-70-3	200
Dibenzofuran	132-64-9	200

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Part number

AL0-101677

8270 Matrix Spike Mix

200 µg/mL in Methanol/ Methylene chloride (80:20), 1 mL Ampoule

Analyte	CAS Number	µg/mL
1,2-Dichlorobenzene	95-50-1	200
1,3-Dichlorobenzene	541-73-1	200
1,4-Dichlorobenzene	106-46-7	200
2,4-Dichlorophenol	120-83-2	200
Diethylphthalate	84-66-2	200
Dimethylphthalate	131-11-3	200
2,4-Dimethylphenol	105-67-9	200
1,2-Dinitrobenzene	528-29-0	200
1,3-Dinitrobenzene	99-65-0	200
1,4-Dinitrobenzene	100-25-4	200
4,6-Dinitro-2-methylphenol	534-52-1	200
2,4-Dinitrophenol	51-28-5	200
2,4-Dinitrotoluene	121-14-2	200
2,6-Dinitrotoluene	606-20-2	200
Di-n-butyl phthalate	84-74-2	200
Di-n-octyl phthalate	117-84-0	200
Diphenylamine	122-39-4	200
Fluorene	86-73-7	200
Fluoranthene	206-44-0	200
Hexachlorobenzene	118-74-1	200
Hexachlorobutadiene	87-68-3	200
Hexachlorocyclopentadiene	77-47-4	200
Hexachloroethane	67-72-1	200
Indeno[1,2,3-cd]pyrene	193-39-5	200
Isophorone	78-59-1	200
1-Methylnaphthalene	90-12-0	200
2-Methylnaphthalene	91-57-6	200
2-Methylphenol	95-48-7	200
3-Methylphenol	108-39-4	200
4-Methylphenol	106-44-5	200
Naphthalene	91-20-3	200
2-Nitroaniline	88-74-4	200
3-Nitroaniline	99-09-2	200
4-Nitroaniline	100-01-6	200
Nitrobenzene	98-95-3	200
2-Nitrophenol	88-75-5	200
4-Nitrophenol	100-02-7	200
N-Nitrosodimethylamine	62-75-9	200
N-Nitroso-di-n-propylamine	621-64-7	200
2,2'-Oxybis(1-chloropropane)	108-60-1	200
Pentachlorophenol	87-86-5	200
Phenanthrene	85-01-8	200
Phenol	108-95-2	200
Pyrene	129-00-0	200
Pyridine	110-86-1	200
2,3,4,6-Tetrachlorophenol	58-90-2	200
2,3,5,6-Tetrachlorophenol	935-95-5	200
1,2,4-Trichlorobenzene	120-82-1	200
2,4,5-Trichlorophenol	95-95-4	200
2,4,6-Trichlorophenol	88-06-2	200

Part number

AL0-101787

521 Surrogate Standard

1000 µg/mL in Methylene chloride, 1 mL Ampoule

Analyte	CAS Number	µg/mL
N-Nitrosodimethylamine-d6	17829-05-9	1000

Part number

AL0-101788

521 Internal Standard

1000 µg/mL in Methylene chloride, 1 mL Ampoule

Analyte	CAS Number	µg/mL
N-Nitrosodi-n-propylamine-d14	93951-96-3	1000

Part number

AL0-101789

521 Nitrosamines Mix

1000 µg/mL in Methylene chloride, 1 mL Ampoule

Analyte	CAS Number	µg/mL
N-Nitrosodiethylamine	55-18-5	1000
N-Nitrosodimethylamine	62-75-9	1000
N-Nitrosodi-n-butylamine	924-16-3	1000
N-Nitroso-di-n-propylamine	621-64-7	1000
N-Nitrosomethylethylamine	10595-95-6	1000
N-Nitrosopiperidine	100-75-4	1000
N-Nitrosopyrrolidine	930-55-2	1000

Part number

AL0-101791

MA EPH Aromatics Mix

2000 µg/mL in Methylene chloride, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	2000
Acenaphthylene	208-96-8	2000
Anthracene	120-12-7	2000
Benzo(a)anthracene	56-55-3	2000
Benzo(a)pyrene	50-32-8	2000
Benzo(b)fluoranthene	205-99-2	2000
Benzo(g,h,i)perylene	191-24-2	2000
Benzo(k)fluoranthene	207-08-9	2000
Chrysene	218-01-9	2000
Dibenzo(a,h)anthracene	53-70-3	2000
Fluoranthene	206-44-0	2000
Fluorene	86-73-7	2000
Indeno(1,2,3-cd)pyrene	193-39-5	2000
2-Methylnaphthalene	91-57-6	2000
Naphthalene	91-20-3	2000
Phenanthrene	85-01-8	2000
Pyrene	129-00-0	2000

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Part number

ALO-101803

8270 Calibration Mix 1

2000 µg/mL in Methylene chloride, 1 mL in Ampoule

Analyte	CAS Number	µg/mL
Benzoic acid	65-85-0	2000
4-Chloro-3-methylphenol	59-50-7	2000
2-Chlorophenol	95-57-8	2000
2,4-Dichlorophenol	120-83-2	2000
2,6-Dichlorophenol	87-65-0	2000
2,4-Dimethylphenol	105-67-9	2000
4,6-Dinitro-2-methylphenol	534-52-1	2000
2,4-Dinitrophenol	51-28-5	2000
Dinoseb	88-85-7	2000
2-Methylphenol	95-48-7	2000
3-Methylphenol	108-39-4	2000
4-Methylphenol	106-44-5	2000
2-Nitrophenol	88-75-5	2000
4-Nitrophenol	100-02-7	2000
Pentachlorophenol	87-86-5	2000
Phenol	108-95-2	2000
2,3,4,6-Tetrachlorophenol	58-90-2	2000
2,4,5-trichlorophenol	95-95-4	2000
2,4,6-Trichlorophenol	88-06-2	2000

Part number

ALO-101804

8270 Calibration Mix 2

2000 µg/mL in Methylene chloride, 1 mL in Ampoule

Analyte	CAS Number	µg/mL
Aniline	62-53-3	2000
Benzidine	92-87-5	2000
4-Chloroaniline	106-47-8	2000
3,3'-Dichlorobenzidine	91-94-1	2000
N-Nitrosodiphenylamine	86-30-6	2000
2-Nitroaniline	88-74-4	2000
3-Nitroaniline	99-09-2	2000
4-Nitroaniline	100-01-6	2000
N-Nitrosodimethylamine	62-75-9	2000
N-Nitrosodi-n-propylamine	621-64-7	2000
Pyridine	110-86-1	2000

Part number

ALO-101805

8270 Calibration Mix 3

2000 µg/mL in Methylene chloride, 1 mL in Ampoule

Analyte	CAS Number	µg/mL
Aramite	140-57-8	2000
Bis(2-Chloroethyl) ether	111-44-4	2000
Bis(2-Chloroethoxy)methane	111-91-1	2000
4-Bromophenyl phenyl ether	7005-72-3	2000
1,2-Dichlorobenzene	95-50-1	2000
1,3-Dichlorobenzene	541-73-1	2000
1,4-Dichlorobenzene	106-46-7	2000
1,3-Dinitrobenzene	99-65-0	2000
Hexachlorobenzene	118-74-1	2000
Hexachlorobutadiene	87-68-3	2000
Hexachlorocyclopentadiene	77-47-4	2000
Hexachloroethane	67-72-1	2000
Hexachloropropene	1888-71-7	2000
Isodrin	465-73-6	2000
Kepone	143-50-0	2000
Bis(2-Chloroisopropyl) ether	108-60-1	2000
Pentachlorobenzene	608-93-5	2000
Pentachloronitrobenzene	82-68-8	2000
1,2,4,5-Tetrachlorobenzene	95-94-3	2000
1,2,4-Trichlorobenzene	120-82-1	2000

Part number

ALO-101806

8270 Calibration Mix 4

2000 µg/mL in Methylene chloride/Methanol (85:15), 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acetophenone	98-86-2	2000
Azobenzene	103-33-3	2000
Benzyl Alcohol	100-51-6	2000
Bis(2-ethylhexyl)phthalate	117-81-7	2000
Benzyl butyl phthalate	85-68-7	2000
Dibenzofuran	132-64-9	2000
Diethylphthalate	84-66-2	2000
Dimethylphthalate	131-11-3	2000
Di-n-butyl phthalate	84-74-2	2000
Di-n-octyl phthalate	117-84-0	2000
2,4-Dinitrotoluene	121-14-2	2000
2,6-Dinitrotoluene	606-20-2	2000
Ethyl methanesulfonate	62-50-0	2000
Isophrone	78-59-1	2000
Isosafrole	120-58-1	2000
Methyl methanesulfonate	66-27-3	2000
1,4-Naphthoquinoline-N-oxide	56-57-5	2000
Phenacetin	62-44-2	2000
Safrole	94-59-7	2000
1,3,5-Trinitrobenzene	99-35-4	2000

Part number

ALO-101807

8270 Calibration Mix 5

2000 µg/mL in Methylene chloride, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Dimethoate	60-51-5	2000
Disulfoton	298-04-4	2000
Famphur	52-85-7	2000
Methyl Parathion	298-00-0	2000
Parathion	56-38-2	2000
Phorate	298-02-2	2000
Propyzamide (Pronamide)	23950-58-5	2000
Sulfotep	3689-24-5	2000
o,o,o-Triethylphosphorothioate	126-68-1	2000
Zinophos	297-97-2	2000

Part number

ALO-101819

UCMR 5 558 Mix

1000 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
N-Methyl-2-Pyrrolidone	872-50-4	1000
Urethane	51-79-6	1000

Part number

ALO-101820

UCMR 5 559 Phenols Mix

1000 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Nonylphenol	84852-15-3	1000
4-tert-Octylphenol	140-66-9	1000

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Part number

AL0-101828

UCMR 5 558 Second Source

1000 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
N-Methyl-2-Pyrrolidone	872-50-4	1000
Urethane	51-79-6	1000

Part number

AL0-101829

UCMR 5 559 Phenols Second Source

1000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Nonylphenol	84852-15-3	1000
4-tert-Octylphenol	140-66-9	1000

Part number

AL0-101836

559 Surrogate Mix

100 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
4-tert-Octylphenol-13C6	1173020-24-0	100

Part number

AL0-101855

EFSA PAH Standard

100 µg/mL in Toluene, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzo(a)anthracene	56-55-3	100
Benzo(a)pyrene	50-32-8	100
Benzo(b)fluoranthene	205-99-2	100
Benzo(c)fluorene	205-12-9	100
Benzo(g,h,i)perylene	191-24-2	100
Benzo(j)fluoranthene	205-82-3	100
Benzo(k)fluoranthene	207-08-9	100
Chrysene	218-01-9	100
Cyclopenta(c,d)pyrene	27208-37-3	100
Dibenzo(a,e)pyrene	192-65-4	100
Dibenzo(a,h)anthracene	53-70-3	100
Dibenzo(a,h)pyrene	189-64-0	100
Dibenzo(a,i)pyrene	189-55-9	100
Dibenzo(a,l)pyrene	191-30-0	100
Indeno(1,2,3-cd)pyrene	193-39-5	100
5-Methylchrysene	3697-24-3	100

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AL0-101254

Chlorinated Pesticides Standard

2000 µg/mL in Hexane/Toluene (1:1), 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4,4'-DDD	72-54-8	2000
4,4'-DDE	72-55-9	2000
4,4'-DDT	50-29-3	2000
Aldrin	309-00-2	2000
alpha-BHC	319-84-6	2000
beta-BHC	319-85-7	2000
cis-Chlordane	5103-71-9	2000
delta-BHC	319-86-8	2000
Dieldrin	60-57-1	2000
Endosulfan I	959-98-8	2000
Endosulfan II	33213-65-9	2000
Endosulfan sulfate	1031-07-8	2000
Endrin	72-20-8	2000
Endrin aldehyde	7421-93-4	2000
Endrin ketone	53494-70-5	2000
gamma-BHC (Lindane)	58-89-9	2000
Heptachlor	76-44-8	2000
Heptachlor epoxide	1024-57-3	2000
Methoxychlor	72-43-5	2000
trans-Chlordane	5103-74-2	2000

Part number

AL0-101256

8270 OP Pesticides Mix

2000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Dimethoate	60-51-5	2000
Disulfoton	298-04-4	2000
Famphur	52-85-7	2000
Methyl Parathion	298-00-0	2000
o,o,o-Triethyl phosphorothioate	126-68-1	2000
Parathion	56-38-2	2000
Phorate	298-02-2	2000
Sulfotep	3689-24-5	2000
Thionazin (Zinophos)	297-97-2	2000

Part number

AL0-101257

Pesticide Surrogate Mix

200 µg/mL in Acetone, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2,4,5,6-Tetrachloro-m-xylene	877-09-8	200
Decachlorobiphenyl	2051-24-3	200

Part number

AL0-101253

8081 Chlorinated Pesticides

1000 µg/mL in Hexane/Toluene (1:1), 1 mL/Ampoule

Analyte	CAS Number	µg/mL
4,4'-DDD	72-54-8	1000
4,4'-DDE	72-55-9	1000
4,4'-DDT	50-29-3	1000
Aldrin	309-00-2	1000
alpha-BHC	319-84-6	1000
beta-BHC	319-85-7	1000
cis-Chlordane	5103-71-9	1000
delta-BHC	319-86-8	1000
Dieldrin	60-57-1	1000
Endosulfan I	959-98-8	1000
Endosulfan II	33213-65-9	1000
Endosulfan sulfate	1031-07-8	1000
Endrin	72-20-8	1000
Endrin aldehyde	7421-93-4	1000
Endrin ketone	53494-70-5	1000
gamma-BHC (Lindane)	58-89-9	1000
Heptachlor	76-44-8	1000
Heptachlor epoxide	1024-57-3	1000
Methoxychlor	72-43-5	1000
trans-Chlordane	5103-74-2	1000

Part number

AL0-101255

8141 OP Pesticides

200 µg/mL in Hexane/Acetone (80:20), 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Azinphos-methyl	86-50-0	200
Bolstar (Sulprofos)	35400-43-2	200
Chlorpyrifos	2921-88-2	200
Coumaphos	56-72-4	200
Demeton O & S	8065-48-3	200
Diazinon	333-41-5	200
Dichlorvos (DDVP)	62-73-7	200
Disulfoton	298-04-4	200
Ethoprop	13194-48-4	200
Fensulfthion	115-90-2	200
Fenthion	55-38-9	200
Merphos	150-50-5	200
Methyl Parathion	298-00-0	200
Mevinphos	7786-34-7	200
Naled	300-76-5	200
Phorate	298-02-2	200
Ronnel (Fenchlorphos)	299-84-3	200
Stirophos (Tetrachlorvinphos)	22248-79-9	200
Tokuthion (Prothiofos)	34643-46-4	200
Trichloronate	327-98-0	200

Part number

AL0-101266

Triazine Herbicides Mix

200 µg/mL in Acetone, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Atrazine	1912-24-9	200
Simazine	122-34-9	200

Part number

AL0-101288

Chlorinated Herbicides

100 µg/mL in Acetonitrile, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2,4,5-T	93-76-5	100
2,4,5-TP (Silvex)	93-72-1	100
2,4-D	94-75-7	100
2,4-DB	94-82-6	100
2,4-DP (Dichlorprop)	120-36-5	100
3,5-Dichlorobenzoic acid	51-36-5	100
4-Nitrophenol	100-02-7	100
Acifluorfen	50594-66-6	100
Bentazon	25057-89-0	100
Chloramben	133-90-4	100
Dalapon	75-99-0	100
DCPA diacid	2136-79-0	100
Dicamba	1918-00-9	100
Dinoseb	88-85-7	100

Part number

AL0-101289

MCP & MCPA

20000 µg/mL in Acetonitrile, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
MCPA	94-74-6	20000
MCP	93-65-2	20000

Part number

AL0-101511

508.1 Calibration Mix 1

500 µg/mL in Ethyl Acetate, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aldrin	309-00-2	500
alpha-BHC	319-84-6	500
beta-BHC	319-85-7	500
gamma-BHC (Lindane)	58-89-9	500
delta-BHC	319-86-8	500
4,4'-DDD	72-54-8	500
4,4'-DDE	72-55-9	500
4,4'-DDT	50-29-3	500
Dieldrin	60-57-1	500
Endosulfan I	959-98-8	500
Endosulfan II	33213-65-9	500
Endosulfan sulfate	1031-07-8	500
Endrin	72-20-8	500
Endrin aldehyde	7421-93-4	500
Heptachlor	76-44-8	500
Heptachlor epoxide (isomer B)	1024-57-3	500
Methoxychlor	72-43-5	500

Part number

AL0-101514

508.1 GC Degradation Check Mix

100 µg/mL in Ethyl Acetate, 1 mL Ampoule

Analyte	CAS Number	µg/mL
4,4'-DDT	50-29-3	100
Endrin	72-20-8	100

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Part number

AL0-101452

Pesticide Surrogate Mix, 5 mL

200 µg/mL in Acetone, 5mL Ampoule

Analyte	CAS Number	µg/mL
2,4,5,6-Tetrachloro-m-xylene	877-09-8	200
Decachlorobiphenyl	2051-24-3	200

Part number

AL0-101503

608 Calibration Mix

200 µg/mL in Hexane/Toluene (1:1), 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aldrin	309-00-2	200
alpha-BHC	319-84-6	200
beta-BHC	319-85-7	200
gamma-BHC	58-89-9	200
delta-BHC	319-86-8	200
4,4'-DDD	72-54-8	200
4,4'-DDE	72-55-9	200
4,4'-DDT	50-29-3	200
Dieldrin	60-57-1	200
Endosulfan I	959-98-8	200
Endosulfan II	33213-65-9	200
Endosulfan sulfate	1031-07-8	200
Endrin	72-20-8	200
Endrin aldehyde	7421-93-4	200
Heptachlor	76-44-8	200
Heptachlor epoxide (isomer B)	1024-57-3	200

Part number

AL0-101512

508.1 Calibration Mix 2

500 µg/mL in Ethyl Acetate, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Chlorobenzilate	510-15-6	500
cis-Chlordane	5103-71-9	500
trans-Chlordane	5103-74-2	500
Chloroneb	2675-77-6	500
DCPA methyl ester	1861-32-1	500
Etridiazole	2593-15-9	500
Hexachlorobenzene	118-74-1	500
cis-Permethrin	52645-53-1	500
trans-Permethrin	52645-53-1	500
Propachlor	1918-16-7	500
Trifluralin	1582-09-8	500

Part number

AL0-101513

508.1 Calibration Mix 3

500 µg/mL in Ethyl Acetate, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Alachlor	15972-60-8	500
Atrazine	1912-24-9	500
Chlorothalonil	1897-45-6	500
Cyanazine (Bladex)	21725-46-2	500
Hexachlorocyclopentadiene	77-47-4	500
Metolachlor	51218-45-2	500
Metribuzin	21087-64-9	500
Simazine	122-34-9	500

Part number

AL0-101515

508.1 Performance Check Mix

0.02-0.5 µg/mL in Ethyl Acetate, 1 mL Ampoule

Analyte	CAS Number	µg/mL
gamma-BHC	319-86-8	0.4
Chlorothalonil	1897-45-6	0.5
Chlorpyrifos	2921-88-2	0.02
DCPA methyl ester	1861-32-1	0.5

Part number

AL0-101516

515.4 Calibration Mix

25-100 µg/mL in Acetone, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acifluorfen	50594-66-6	50
Bentazon	25057-89-0	100
Chloramben	133-90-4	50
2,4-D	94-75-7	100
Dalapon	75-99-0	100
2,4-DB	94-82-6	100
DCPA diacid	2136-79-0	50
Dicamba	1918-00-9	50
3,5-Dichlorobenzoic acid	51-36-5	50
Dichlorprop	120-36-5	100
Dinoseb	88-85-7	100
Pentachlorophenol	87-86-5	10
Picloram	1918-02-1	50
Quinclorac	84087-01-4	50
2,4,5-T	93-76-5	25
2,4,5-TP (Silvex)	93-72-1	25

Part number

AL0-101518

Herbicide Lab Performance Check Mix

4-1600 µg/mL in MTBE, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Dinoseb methyl ether	6099-79-2	4
2,4-DCAA methyl ester	55954-23-9	500
4,4'-Dibromooctafluorobiphenyl	10386-84-2	250
3,5-Dichlorobenzoic acid methyl ester	2905-67-1	600
4-Nitroanisole	100-17-4	1600

Part number

AL0-101517

515.4 Methylated Chlorinated Acids Mix

10-100 µg/mL in MTBE, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acifluorfen methyl ester	50594-67-7	50
Bentazon methyl ester	61592-45-8	100
Chloramben methyl ester	7286-84-2	50
Dalapon methyl ester	17340-02-7	100
2,4-D methyl ester	1928-38-7	100
2,4-DB methyl ester	18625-12-2	100
DCPA methyl ester	1861-32-1	100
Dicamba methyl ester	6597-78-0	50
3,5-Dichlorobenzoic acid methyl ester	2905-67-1	50
Dichlorprop methyl ester	57153-17-0	100
Dinoseb methyl ether	6099-79-2	100
Pentachloroanisole	1825-21-4	10
Picloram methyl ester	14143-55-6	50
Quinclorac methyl ester	84087-33-2	50
2,4,5-T methyl ester	1928-37-6	25
2,4,5-TP (Silvex) methyl ester	4841-20-7	25

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Part number

AL0-101530

531.1 Carbamates Mix

100 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aldicarb	116-06-3	100
Aldicarb sulfone	1646-88-4	100
Aldicarb sulfoxide	1646-87-3	100
Carbaryl	63-25-2	100
Carbofuran	1563-66-2	100
3-Hydroxycarbofuran	16655-82-6	100
Methiocarb	2032-65-7	100
Methomyl	16752-77-5	100
Oxamyl	23135-22-0	100
Propoxur	114-26-1	100

Part number

AL0-101531

531.2 Carbamates Mix

100 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aldicarb	116-06-3	100
Aldicarb sulfone	1646-88-4	100
Aldicarb sulfoxide	1646-87-3	100
Carbaryl	63-25-2	100
Carbofuran	1563-66-2	100
3-Hydroxycarbofuran	16655-82-6	100
Methiocarb	2032-65-7	100
Methomyl	16752-77-5	100
1-Naphthol	90-15-3	100
Oxamyl	23135-22-0	100
Propoxur	114-26-1	100

Part number

AL0-101541

8141 OP Pesticides Mix 2

200 µg/mL in Hexane/Acetone (80:20), 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Dimethoate	60-51-5	200
EPN	2104-64-5	200
Malathion	121-75-5	200
Monocrotophos	6923-22-4	200
Parathion	56-38-2	200
Sulfotep	3689-24-5	200
TEPP	107-49-3	200

Part number

AL0-101625

525.3 Pesticides Standard

1000 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
alpha-BHC	319-84-6	1000
Chlorpyrifos	2921-88-2	1000
Dimethipin	55290-64-7	1000
Oxyfluorfen	42874-03-3	1000
Permethrin	52645-53-1	1000
Profenofos	41198-08-7	1000
Tebuconazole	107534-96-3	1000
Tribufos (DEF)	78-48-8	1000

Part number

AL0-101634

UCMR4 EPA 525.3 Standard

100-700 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
alpha-BHC	319-84-6	100
Chlorpyrifos	2921-88-2	300
Dimethipin	55290-64-7	2000
Ethoprop	13194-48-4	300
Oxyfluorfen	42874-03-3	500
Permethrin	52645-53-1	2000
Profenofos	41198-08-7	3000
Tebuconazole	107534-96-3	400
Tribufos (DEF)	78-48-8	700

Part number

AL0-101644

Glyphosate

1000 µg/mL in Water, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Glyphosate	1071-83-6	1000

Part number

AL0-101645

Diquat/Paraquat Mix

1000 µg/mL in Water, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Diquat	6385-62-2	1000
Paraquat	1910-42-5	1000

Part number

AL0-101646

Endothall

1000 µg/mL in Acetone, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Endothall	145-73-3	1000

Part number

AL0-101647

4,4'-DDT/Endrin Mix

200 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
4,4'-DDT	50-29-3	200
Endrin	72-20-8	200

Part number

AL0-101653

TCLP Pesticides Standard

2000 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
gamma-BHC (Lindane)	58-89-9	2000
Endrin	72-20-8	2000
Heptachlor	76-44-8	2000
Heptachlor epoxide (Isomer B)	1024-57-3	2000
Methoxychlor	72-43-5	2000

Part number

AL0-101654

TCLP Herbicides Standard

2000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2,4-D	94-75-7	2000
2,4,5-TP	93-72-1	2000

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Part number

AL0-101657

505 Organohalid Pesticide Mix

200 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Alachlor	15972-60-8	200
Aldrin	309-00-2	200
Atrazine	1912-24-9	200
gamma-BHC (Lindane)	58-89-9	200
cis-Chlordane	5103-71-9	200
trans-Chlordane	5103-74-2	200
Dieldrin	60-57-1	200
Endrin	72-20-8	200
Heptachlor	76-44-8	200
Heptachlor epoxide	1024-57-3	200
Hexachlorobenzene	118-74-1	200
Hexachlorocyclopentadiene	77-47-4	200
Methoxychlor	72-43-5	200
cis-Nonachlor	5103-73-1	200
trans-Nonachlor	39765-80-5	200
Simazine	122-34-9	200

Part number

AL0-101658

525.2 Organonitrogen Pest. Mix #1

500 µg/mL in Acetone, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Alachlor	15972-60-8	500
Ametryn	834-12-8	500
Atraton	1610-17-9	500
Atrazine	1912-34-9	500
Bromacil	314-40-9	500
Butachlor	23184-66-9	500
Butylate	2008-41-5	500
Chlorpropham	101-21-3	500
Cyanazine	21725-46-2	500
Cyclolate	1134-23-2	500
Diphenamid	957-51-7	500
EPTC	759-94-4	500
Etridiazole	2593-15-9	500
Fenarimol	60168-88-9	500
Fluridone	59756-60-4	500
Hexazinone	51235-04-2	500
Metolachlor	51218-45-2	500
Metribuzin	21087-64-9	500
MGK-264	113-48-4	500
Molinate	2212-67-1	500
Napropamide	15299-99-7	500
Norflurazon	27314-13-2	500
Pebulate	1114-71-2	500
Prometon	1610-18-0	500
Prometryn	7287-19-6	500
Propachlor	1918-16-7	500
Propazine	139-40-2	500
Propyzamide	23950-58-5	500
Simazine	122-34-9	500
Simetryn	1014-70-6	500
Tebuthiuron	34014-18-1	500
Terbacil	5902-51-2	500
Terbutryn	886-50-0	500
Triadimefon	43121-43-3	500
Tricyclazole	41814-78-2	500
Trifluralin	1582-09-8	500
Vernolate	1929-77-7	500

Part number

AL0-101669

Methyl Ester Herbicide Mix # 1

200 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
2,4-D Methyl Ester	1928-38-7	200
2,4-DB Methyl Ester	18625-12-2	200
Dicamba Methyl Ester	6597-78-0	200
Dichlorprop Methyl Ester	57153-17-0	200
Dinoseb Methyl Ester	6099-79-2	200
2,4,5-T Methyl Ester	1928-37-6	200
2,4,5-TP Methyl Ester	4841-20-7	200

Part number

AL0-101670

Methyl Ester Herbicide Mix # 2

200 µg/mL in Hexane/MTBE (90:10), 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acifluorfen methyl ester	50594-67-7	200
Bentazon methyl ester	61592-45-8	200
Chloramben methyl ester	7286-84-2	200
DCPA methyl ester	1861-32-1	200
3,5-Dichlorobenzoic acid ME	2905-67-1	200
p-Nitroanisole	100-17-4	200
Pentachloroanisole	1825-21-4	200
Picloram methyl ester	14143-55-6	200

Part number

AL0-101675

MCPA/MCPP Methyl Ester Mix

20000 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
MCPA methyl ester	2436-73-9	20000
MCPP methyl ester	23844-56-6	20000

Part number

AL0-101682

Pesticides Matrix Spike Mix

50-100 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aldrin	309-00-2	50
gamma-BHC	58-89-9	50
4,4'-DDT	50-29-3	100
Dieldrin	60-57-1	100
Endrin	72-20-8	100
Heptachlor	76-44-8	50

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Part number

ALO-101775

632 Carbamates/Urea Mix

1000 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aminocarb	2032-59-9	1000
Barban	101-27-9	1000
Carbofuran	1563-66-2	1000
Diuron	330-54-1	1000
Fenuron	101-21-3	1000
Fenuron-TCA	4482-55-7	1000
Fluometuron	2164-17-2	1000
Linuron	330-55-2	1000
Methiocarb	2032-65-7	1000
Methyomyl	16752-77-5	1000
Mexacarbate	315-18-4	1000
Monuron	150-68-5	1000
Monuron-TCA	140-41-0	1000
Neburon	555-37-3	1000
Oxamyl	23135-22-0	1000
Propham	122-42-9	1000
Propoxur	114-26-1	1000
Siduron	1982-49-6	1000
SWEP	1918-18-9	1000

Part number

ALO-101784

Triphenylphosphate Solution

5000 µg/mL in MTBE, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Triphenylphosphate	115-86-6	5000

Part number

ALO-101812

UCMR 5 525.3 Pesticides Mix

1000 µg/mL in Methylene chloride, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Chlorothalonil	1897-45-6	1000
Hexazinone (Valpar)	51235-04-2	1000
Metribuzin	21087-64-9	1000
Napropamide	15299-99-7	1000
Norflurazon	27314-13-2	1000
Phorate	298-02-2	1000
Prometryne	7287-19-6	1000
Trifluralin	1582-09-8	1000

Part number

ALO-101815

UCMR 5 538 Pesticide Mix

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acephate	30560-19-1	2000
Dicrotophos	141-66-2	2000

Part number

ALO-101822

UCMR 5 527 Pesticides Second Source

1000 µg/mL in Methanol/Water, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Bifenthrin	82657-04-3	1000
Esfenvalerate	66230-04-4	1000
Malathion	121-75-5	1000

Part number

ALO-101669

Methyl Ester Herbicide Mix # 1

200 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acifluorfen methyl ester	50594-67-7	200
Bentazon methyl ester	61592-45-8	200
Chloramben methyl ester	7286-84-2	200
DCPA methyl ester	1861-32-1	200
3,5-Dichlorobenzoic acid ME	2905-67-1	200
p-Nitroanisole	100-17-4	200
Pentachloroanisole	1825-21-4	200
Picloram methyl ester	14143-55-6	200

Part number

ALO-101670

Methyl Ester Herbicide Mix # 2

200 µg/mL in Hexane/MTBE (90:10), 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acifluorfen methyl ester	50594-67-7	200
Bentazon methyl ester	61592-45-8	200
Chloramben methyl ester	7286-84-2	200
DCPA methyl ester	1861-32-1	200
3,5-Dichlorobenzoic acid ME	2905-67-1	200
p-Nitroanisole	100-17-4	200
Pentachloroanisole	1825-21-4	200
Picloram methyl ester	14143-55-6	200

Part number

ALO-101675

MCPA/MCPP Methyl Ester Mix

20000 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
MCPA methyl ester	2436-73-9	20000
MCPP methyl ester	23844-56-6	20000

Part number

ALO-101682

Pesticides Matrix Spike Mix

50-100 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aldrin	309-00-2	50
gamma-BHC	58-89-9	50
4,4'-DDT	50-29-3	100
Dieldrin	60-57-1	100
Endrin	72-20-8	100
Heptachlor	76-44-8	50

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Part number

AL0-101823

UCMR 5 531.2 Herbs Second Source

1000 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Carbaryl	63-25-2	1000
Methomyl	16752-77-5	1000

Part number

AL0-101830

525/527 Surrogate Mix

1000 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Benzo(a)pyrene-d12	63466-71-7	1000
1,3-Dimethyl-2-nitrobenzene	81-20-9	1000
Perylene-d12	1520-96-3	1000
Triphenylphosphate	115-86-6	1000

Part number

AL0-101824

UCMR 5 538 Pesticide Second Source

1000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acephate	30560-19-1	1000
Dicrotophos	141-66-2	1000

Part number

AL0-101831

538 Internal Standard

1000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Acephate-d6	2109699-73-0	1000
Methamidophos-d6	1219799-41-3	1000
Oxydemeton-methyl-d6	301-12-2	1000
Quinoline-d7	34071-94-8	1000

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Part number

AL0-101776

8151 Herbicides Mix

100-10000 µg/mL in Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acifluorfen	50594-66-6	100
Bentazon	25057-89-0	100
Chloramben	133-90-4	100
2,4-D	94-75-7	100
Dalapon	75-99-0	100
2,4-DB	94-82-6	100
DCPA Diacid	2136-79-0	100
Dicamba	1918-00-9	100
3,5-Dichlorobenzoic acid	51-36-5	100
Dichlorprop	120-36-5	100
Dinoseb	88-85-7	100
MCPA	94-74-6	10000
MCPP	7085-19-0	10000
4-Nitrophenol	100-02-7	100
Pentachlorophenol	87-86-5	100
Picloram	1918-02-1	100
2,4,5-TP	93-72-1	100
2,4,5-T	93-76-5	100

Part number

AL0-101785

o,p Chlorinated Pesticides

250 µg/mL in Isooctane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
2,4'-DDD	53-19-0	250
2,4'-DDE	3424-82-6	250
2,4'-DDT	789-02-6	250

Part number

AL0-101813

UCMR 5 527 Pesticides Mix

2000 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Bifenthrin	82657-04-3	1000
Esfenvalerate	66230-04-4	1000
Malathion	121-75-5	1000

Part number

AL0-101814

UCMR 5 531.2 Herbs Mix

2000 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Carbaryl	63-25-2	1000
Methomyl	16752-77-5	1000

Part number

AL0-101821

UCMR 5 525.3 Pesticides Second Source

1000 µg/mL in Methanol/Acetone, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Chlorothalonil	1897-45-6	1000
Hexazinone (Valpar)	51235-04-2	1000
Metribuzin	21087-64-9	1000
Napropamide	15299-99-7	1000
Norflurazon	27314-13-2	1000
Phorate	298-02-2	1000
Prometryne	7287-19-6	1000
Trifluralin	1582-09-8	1000

PCB Aroclors

Part Number	Analyte	CAS Number	
AL0-101274	Decachlorobiphenyl	2051-24-3	200 µg/ml in Acetone, 1 mL/Ampoule
AL0-101275	Aroclor 1016	12674-11-2	100 µg/ml in Hexane, 1 mL/Ampoule
AL0-101276	Aroclor 1221	11104-28-2	100 µg/ml in Hexane, 1 mL/Ampoule
AL0-101277	Aroclor 1232	11141-16-5	100 µg/ml in Hexane, 1 mL/Ampoule
AL0-101278	Aroclor 1242	53469-21-9	100 µg/ml in Hexane, 1 mL/Ampoule
AL0-101279	Aroclor 1248	12672-29-6	100 µg/ml in Hexane, 1 mL/Ampoule
AL0-101280	Aroclor 1254	11097-69-1	100 µg/ml in Hexane, 1 mL/Ampoule
AL0-101281	Aroclor 1260	11096-82-5	100 µg/ml in Hexane, 1 mL/Ampoule
AL0-101282	Aroclor 1262	37324-23-5	100 µg/ml in Hexane, 1 mL/Ampoule
AL0-101283	Aroclor 1268	11100-14-4	100 µg/ml in Hexane, 1 mL/Ampoule
AL0-101456	Aroclor 1016	12674-11-2	1000 µg/ml in Hexane, 1 mL/Ampoule
AL0-101457	Aroclor 1221	11104-28-2	1000 µg/ml in Hexane, 1 mL/Ampoule
AL0-101458	Aroclor 1232	11141-16-5	1000 µg/ml in Hexane, 1 mL/Ampoule
AL0-101459	Aroclor 1242	53469-21-9	1000 µg/ml in Hexane, 1 mL/Ampoule
AL0-101460	Aroclor 1248	12672-29-6	1000 µg/ml in Hexane, 1 mL/Ampoule
AL0-101461	Aroclor 1254	11097-69-1	1000 µg/ml in Hexane, 1 mL/Ampoule
AL0-101462	Aroclor 1260	11096-82-5	1000 µg/ml in Hexane, 1 mL/Ampoule
AL0-101463	Aroclor 1262	37324-23-5	1000 µg/ml in Hexane, 1 mL/Ampoule
AL0-101464	Aroclor 1268	11100-14-4	1000 µg/ml in Hexane, 1 mL/Ampoule
AL0-101467	Aroclor 1016	12674-11-2	1000 µg/ml in Isooctane, 1 mL/Ampoule
AL0-101468	Aroclor 1221	11104-28-2	1000 µg/ml in Isooctane, 1 mL/Ampoule
AL0-101469	Aroclor 1232	11141-16-5	1000 µg/ml in Isooctane, 1 mL/Ampoule
AL0-101470	Aroclor 1242	53469-21-9	1000 µg/ml in Isooctane, 1 mL/Ampoule
AL0-101471	Aroclor 1248	12672-29-6	1000 µg/ml in Isooctane, 1 mL/Ampoule
AL0-101472	Aroclor 1254	11097-69-1	1000 µg/ml in Isooctane, 1 mL/Ampoule
AL0-101473	Aroclor 1260	11096-82-5	1000 µg/ml in Isooctane, 1 mL/Ampoule
AL0-101474	Aroclor 1262	37324-23-5	1000 µg/ml in Isooctane, 1 mL/Ampoule
AL0-101475	Aroclor 1268	11100-14-4	1000 µg/ml in Isooctane, 1 mL/Ampoule
AL0-101574	Aroclor 1016	12674-11-2	1000 µg/ml in Methanol, 1 mL/Ampoule
AL0-101575	Aroclor 1221	11104-28-2	1000 µg/ml in Methanol, 1 mL/Ampoule
AL0-101576	Aroclor 1232	11141-16-5	1000 µg/ml in Methanol, 1 mL/Ampoule
AL0-101577	Aroclor 1242	53469-21-9	1000 µg/ml in Methanol, 1 mL/Ampoule
AL0-101578	Aroclor 1248	12672-29-6	1000 µg/ml in Methanol, 1 mL/Ampoule
AL0-101579	Aroclor 1254	11097-69-1	1000 µg/ml in Methanol, 1 mL/Ampoule
AL0-101580	Aroclor 1260	11096-82-5	1000 µg/ml in Methanol, 1 mL/Ampoule
AL0-101581	Aroclor 1262	37324-23-5	1000 µg/ml in Methanol, 1 mL/Ampoule
AL0-101582	Aroclor 1268	11100-14-4	1000 µg/ml in Methanol, 1 mL/Ampoule
AL0-101583	Aroclor 1016	12674-11-2	100 µg/ml in Methanol, 1 mL/Ampoule
AL0-101584	Aroclor 1221	11104-28-2	100 µg/ml in Methanol, 1 mL/Ampoule
AL0-101585	Aroclor 1232	11141-16-5	100 µg/ml in Methanol, 1 mL/Ampoule
AL0-101586	Aroclor 1242	53469-21-9	100 µg/ml in Methanol, 1 mL/Ampoule
AL0-101587	Aroclor 1248	12672-29-6	100 µg/ml in Methanol, 1 mL/Ampoule
AL0-101588	Aroclor 1254	11097-69-1	100 µg/ml in Methanol, 1 mL/Ampoule
AL0-101589	Aroclor 1260	11096-82-5	100 µg/ml in Methanol, 1 mL/Ampoule
AL0-101590	Aroclor 1262	37324-23-5	100 µg/ml in Methanol, 1 mL/Ampoule
AL0-101591	Aroclor 1268	11100-14-4	100 µg/ml in Methanol, 1 mL/Ampoule
AL0-101594	Aroclor 1016	12674-11-2	500 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101595	Aroclor 1221	11104-28-2	500 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101596	Aroclor 1232	11141-16-5	500 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101597	Aroclor 1242	53469-21-9	500 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101598	Aroclor 1248	12672-29-6	500 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101599	Aroclor 1254	11097-69-1	500 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101600	Aroclor 1260	11096-82-5	500 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101601	Aroclor 1262	37324-23-5	500 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101602	Aroclor 1268	11100-14-4	500 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101603	Aroclor 1016	12674-11-2	50 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101604	Aroclor 1221	11104-28-2	50 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101605	Aroclor 1232	11141-16-5	50 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101606	Aroclor 1242	53469-21-9	50 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101607	Aroclor 1248	12672-29-6	50 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101608	Aroclor 1254	11097-69-1	50 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101609	Aroclor 1260	11096-82-5	50 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101610	Aroclor 1262	37324-23-5	50 mg/Kg in Transformer oil, 5 mL/Ampoule
AL0-101611	Aroclor 1268	11100-14-4	50 mg/Kg in Transformer oil, 5 mL/Ampoule

Part number

AL0-101273

Aroclors 1016/1260

100 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aroclor 1016	12674-11-2	100
Aroclor 1260	11096-82-5	100

Part number

AL0-101455

Aroclors 1016/1260

1000 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aroclor 1016	12674-11-2	1000
Aroclor 1260	11096-82-5	1000

Part number

AL0-101466

Aroclors 1016/1260

1000 µg/mL in Isooctane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aroclor 1016	12674-11-2	1000
Aroclor 1260	11096-82-5	1000

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Fuels/UST**Part number**

AL0-101615

VPH Matrix Spike Mix with Surrogates

500-1500 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzene	71-43-2	500
n-Butylcyclohexane	1678-93-9	1000
n-Decane	124-18-5	1000
2,5-Dibromotoluene	615-59-8	1000
Ethylbenzene	100-41-4	500
Isooctane	540-84-1	1500
Methyl-tert butyl ether (MTBE)	1634-04-4	1500
2-Methylpentane	107-83-5	1500
Naphthalene	91-20-3	1000
n-Nonane	111-84-2	1000
n-Pentane	109-66-0	1000
Toluene	108-88-3	1500
1,2,4-Trimethylbenzene	95-63-6	1000
o-Xylene	95-47-6	1000
m-Xylene	108-38-3	1000
p-Xylene	106-42-3	1000

Part number

AL0-101616

VPH Calibration Mix with Surrogates

2000 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Benzene	71-43-2	2000
n-Butylcyclohexane	1678-93-9	2000
n-Decane	124-18-5	2000
2,5-Dibromotoluene	615-59-8	2000
Ethylbenzene	100-41-4	2000
Isooctane	540-84-1	2000
Methyl-tert butyl ether (MTBE)	1634-04-4	2000
2-Methylpentane	107-83-5	2000
Naphthalene	91-20-3	2000
n-Nonane	111-84-2	2000
n-Pentane	109-66-0	2000
Toluene	108-88-3	2000
1,2,4-Trimethylbenzene	95-63-6	2000
o-Xylene	95-47-6	2000
m-Xylene	108-38-3	2000
p-Xylene	106-42-3	2000

Part number

AL0-101790

MA EPH Aliphatics Mix

2000 µg/mL in Hexane, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
n-Nonane	111-84-2	2000
n-Decane	124-18-5	2000
n-Dodecane	112-40-3	2000
n-Tetradecane	629-59-4	2000
n-Hexadecane	544-76-3	2000
n-Octadecane	593-45-3	2000
n-Nonadecane	629-29-5	2000
n-Eicosane	112-95-8	2000
n-Docosane	629-97-0	2000
n-Tetracosane	646-31-1	2000
n-Hexacosane	630-01-3	2000
n-Octacosane	630-02-4	2000
n-Triacontane	638-68-6	2000
n-Hexatriacontane	630-06-8	2000

Part number

AL0-101623

Florida TRPH Standard

2000 µg/mL in Carbon Disulfide, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
n-Octane	111-65-9	2000
n-Decane	124-18-5	2000
n-Dodecane	112-40-3	2000
n-Tetradecane	629-59-4	2000
n-Hexadecane	544-76-3	2000
n-Octadecane	593-45-3	2000
n-Eicosane	112-95-8	2000
n-Docosane	629-97-0	2000
n-Tetracosane	646-31-1	2000
n-Hexacosane	630-01-3	2000
n-Octacosane	630-02-4	2000
n-Triacontane	638-68-6	2000
n-Dotriacontane	544-85-4	2000
n-Tetratriacontane	14167-59-0	2000
n-Hexatriacontane	630-06-8	2000
n-Octatriacontane	7194-85-6	2000
n-Tetracontane	4181-95-7	2000

Part number

AL0-101624

Florida TRPH Surrogate

3000 µg/mL in Carbon Disulfide, 10 mL/Ampoule

Analyte	CAS Number	µg/mL
n-Nonatriacontane	7194-86-7	3000

Part number

AL0-101635

n-Triacontane-d62

2000 µg/mL in Methylene chloride, 10 mL/Ampoule

Analyte	CAS Number	µg/mL
n-Triacontane-d62	93952-07-9	2000

Part number

AL0-101640

TX TPH Calibration Mix

10000 µg/mL in Pentane, 10 mL/Ampoule

Analyte	CAS Number	µg/mL
Diesel Fuel # 2 Composite	68334-30-5	10000
Unleaded Gasoline Composite	8006-61-9	10000

Part number

AL0-101641

TX TPH Matrix Spike Mix

10000 µg/mL in P&T Methanol, 10 mL/Ampoule

Analyte	CAS Number	µg/mL
Diesel Fuel # 2 Composite	68334-30-5	10000
Unleaded Gasoline Composite	8006-61-9	10000

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Part number

AL0-101659

612 Chlorinated Hydrocarbons

2000 µg/mL in Isooctane, 10 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Chloronaphthalene	91-58-7	2000
1,2-Dichlorobenzene	95-50-1	2000
1,3-Dichlorobenzene	541-73-1	2000
1,4-Dichlorobenzene	106-46-7	2000
Hexachlorobenzene	118-74-1	2000
Hexachlorobutadiene	87-68-3	2000
Hexachlorocyclopentadiene	77-47-4	2000
Hexachloroethane	67-72-1	2000
1,2,4-Trichlorobenzene	120-82-1	2000

Part number

AL0-101667

UST RCS Standard

50000 µg/mL in Methylene chloride, 1 mL Ampoule

Analyte	CAS Number	µg/mL
SAE30 motor oil:SAE40 motor oil (1:1)	64742-65-0	50000

Part number

AL0-101717

LC Florida TRPH Standard

500 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
n-Octane	111-65-9	500
n-Decane	124-18-5	500
n-Dodecane	112-40-3	500
n-Tetradecane	629-59-4	500
n-Hexadecane	544-76-3	500
n-Octadecane	593-45-3	500
n-Eicosane	112-95-8	500
n-Docosane	629-97-0	500
n-Tetracosane	646-31-1	500
n-Hexacosane	630-01-3	500
n-Octacosane	630-02-4	500
n-Triacontane	638-68-6	500
n-Dotriacontane	544-85-4	500
n-Tetratriacontane	14167-59-0	500
n-Hexatriacontane	630-06-8	500
n-Octatriacontane	7194-85-6	500
n-Tetracontane	4181-95-7	500

Part number

AL0-101718

WA EPH Aliphatic Hydrocarbons

1000 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
n-Octane	111-65-9	1000
n-Decane	124-18-5	1000
n-Dodecane	112-40-3	1000
n-Hexadecane	544-76-3	1000
n-Heneicosane	629-94-7	1000
n-Tetratriacontane	14167-59-0	1000

Part number

AL0-101719

WA EPH Aromatic Hydrocarbons

1000 µg/mL in Methylene chloride, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	1000
Benzo(g,h,i)perylene	191-24-2	1000
Naphthalene	91-20-3	1000
Pyrene	129-00-0	1000
Toluene	108-88-3	1000
1,2,3-Trimethylbenzene	526-73-8	1000

Part number

AL0-101753

WI PVOC/GRO Mix

2000 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Benzene	71-43-2	2000
Ethylbenzene	100-41-4	2000
Methyl-tert butyl ether (MTBE)	1634-04-4	2000
Naphthalene	91-20-3	2000
Toluene	108-88-3	2000
1,2,4-Trimethylbenzene	95-63-6	2000
1,3,5-Trimethylbenzene	108-67-8	2000
m-Xylene	108-38-3	2000
o-Xylene	95-47-6	2000
p-Xylene	106-42-3	2000

Part number

AL0-101856

NJ EPH Aliphatic Hydrocarbons

1000 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
n-Nonane	111-84-2	1000
n-Decane	124-18-5	1000
n-Dodecane	112-40-3	1000
n-Tetradecane	629-59-4	1000
n-Hexadecane	544-76-3	1000
n-Octadecane	593-45-3	1000
n-Eicosane	112-95-8	1000
n-Heneicosane	629-94-7	1000
n-Docosane	629-97-0	1000
n-Tetracosane	646-31-1	1000
n-Hexacosane	630-01-3	1000
n-Octacosane	630-02-4	1000
n-Triacontane	638-68-6	1000
n-Dotriacontane	544-85-4	1000
n-Tetratriacontane	14167-59-0	1000
n-Hexatriacontane	630-06-8	1000
n-Octatriacontane	7194-85-6	1000
n-Tetracontane	4181-95-7	1000

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Part number

AL0-101837

Diesel Range Organics (DRO) Mix

2000 µg/mL in Methylene chloride, 1 mL Ampoule

Analyte	CAS Number	µg/mL
n-Decane	124-18-5	2000
n-Dodecane	112-40-3	2000
n-Tetradecane	629-59-4	2000
n-Hexadecane	629-73-2	2000
n-Octadecane	593-45-3	2000
n-Eicosane	112-95-8	2000
n-Docosane	629-97-0	2000
n-Tetracosane	646-31-1	2000
n-Hexacosane	630-01-3	2000
n-Octacosane	630-02-4	2000
n-Triacontane	638-68-6	2000
n-Dotriacontane	544-85-4	2000

Part number

AL0-101856

NJ EPH Aliphatic Hydrocarbons

1000 µg/mL in Hexane, 1 mL Ampoule

Analyte	CAS Number	µg/mL
n-Nonane	111-84-2	1000
n-Decane	124-18-5	1000
n-Dodecane	112-40-3	1000
n-Tetradecane	629-59-4	1000
n-Hexadecane	544-76-3	1000
n-Octadecane	593-45-3	1000
n-Eicosane	112-95-8	1000
n-Heneicosane	629-94-7	1000
n-Docosane	629-97-0	1000
n-Tetracosane	646-31-1	1000
n-Hexacosane	630-01-3	1000
n-Octacosane	630-02-4	1000
n-Triacontane	638-68-6	1000
n-Dotriacontane	544-85-4	1000
n-Tetatriacontane	14167-59-0	1000
n-Hexatriacontane	630-06-8	1000
n-Octatriacontane	7194-85-6	1000
n-Tetracontane	4181-95-7	1000

Part number

AL0-101857

NJ EPH Aromatic Hydrocarbons

2000 µg/mL in Methylene chloride, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acenaphthene	83-32-9	2000
Acenaphthylene	208-96-8	2000
Anthracene	120-12-7	2000
Benzo(a)anthracene	56-55-3	2000
Benzo(a)pyrene	50-32-8	2000
Benzo(b)fluoranthene	205-99-2	2000
Benzo(k)fluoranthene	207-08-9	2000
Benzo(g,h,i)perylene	191-24-2	2000
Chrysene	218-01-9	2000
Dibenzo(a,h)anthracene	53-70-3	2000
Fluoranthene	206-44-0	2000
Fluorene	86-73-7	2000
Indeno(1,2,3-cd)pyrene	193-39-5	2000
2-Methylnaphthalene	91-57-6	2000
Naphthalene	91-20-3	2000
Phenanthrene	85-01-8	2000
Pyrene	129-00-0	2000
1,2,3-Trimethylbenzene	526-73-8	2000

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Fuel Singles

Part Number	Analyte	CAS Number	µg/mL
AL0-101284	Unleaded Gasoline (50% Weathered)	8006-61-9	5000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101285	Unleaded Gasoline (50% Weathered)	8006-61-9	50000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101286	Diesel Fuel # 2 Composite	68334-30-5	5000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101287	Diesel Fuel # 2 Composite	68334-30-5	50000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101543	Unleaded Gasoline Composite	8006-61-9	50000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101544	Hydrogen Sulfide	7783-06-4	2000 µg/mL in Toluene, 1 mL/Ampoule
AL0-101545	Methyl Sulfide	75-18-3	2000 µg/mL in Toluene, 1 mL/Ampoule
AL0-101546	Methyl Mercaptan	74-93-1	2000 µg/mL in Toluene, 1 mL/Ampoule
AL0-101547	Methyl Disulfide	624-92-0	2000 µg/mL in Toluene, 1 mL/Ampoule
AL0-101558	Unleaded Gasoline Composite	8006-61-9	50000 µg/mL in P&T Methanol, 5 mL/Ampoule
AL0-101559	Motor Oil Composite	64742-47-8	50000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101560	Diesel Fuel # 2 Composite	68334-30-5	50000 µg/mL in Methylene chloride, 5 mL/Ampoule
AL0-101565	Nonatriacontane Standard	7194-86-7	3000 µg/mL in Carbon disulfide, 1 mL/Ampoule
AL0-101636	1-Chloro-octadecane	3386-33-2	1000 µg/mL in Methylene chloride, 5 mL/Ampoule
AL0-101700	Unleaded Gasoline Composite	8006-61-9	5000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101715	Motor Oil Composite	64742-47-8	50000 µg/mL in Methylene chloride, 5 mL/Ampoule
AL0-101783	Pentacosane Solution	629-99-2	10000 µg/mL in Methylene chloride, 1 mL/Ampoule

PFAS**Part number**

ALO-101838

EPA 533 PFAS Calibration Standard

2 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
9-Chloro hexadecane fluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	73606-19-6	2
11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	83329-89-9	2
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	919005-14-4	2
Hexafluoropropylene oxide diamer acid (HFPO-DA)	13252-13-6	2
Nonafluorobutane-1-sulfonic acid (PFBS)	375-73-5	2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	2
Pentadecafluorooctanoic acid (PFOA)	335-67-1	2
Perfluorobutanoic acid (PFBA)	375-22-4	2
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	39108-34-4	2
Perfluorodecanoic acid (PFDA)	335-76-2	2
Perfluorododecanoic acid (PFDoA)	307-55-1	2
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	113507-82-7	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	2
Perfluoroheptanesulfonate (PFHpS)	375-92-8	2
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	757124-72-4	2
Perfluorohexanesulfonic acid potassium salt (PFHxS)	3871-99-6	2
Perfluorohexanoic acid (PFHxA)	307-24-4	2
Perfluoro(3-methoxypropionic) acid (PFMPA)	377-73-1	2
Perfluoro(4-methoxybutanoic) acid (PFMBA)	863090-89-5	2
Perfluorononanoic acid (PFNA)	375-95-1	2
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	27619-97-2	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	2
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	2

Part number

ALO-101839

EPA 537.1 PFAS Calibration Standard

2 µg/mL in P&T Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
9-Chloro hexadecane fluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	73606-19-6	2
11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	83329-89-9	2
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	919005-14-4	2
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	2
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	2
Nonafluorobutane-1-sulfonic acid (PFBS)	375-73-5	2
Perfluorodecanoic acid (PFDA)	335-76-2	2
Perfluorododecanoic acid (PFDoA)	307-55-1	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	2
Perfluorohexanesulfonic acid potassium salt (PFHxS)	3871-99-6	2
Perfluorohexanoic acid (PFHxA)	307-24-4	2
Perfluorononanoic acid (PFNA)	375-95-1	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	2
Pentadecafluorooctanoic acid (PFOA)	335-67-1	2
Perfluorotetradecanoic acid (PFTA)	376-06-7	2
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	2
Hexafluoropropylene oxide diamer acid (HFPO-DA)	13252-13-6	2

Part number

ALO-101852

EPA 1633 PFAS Calibration Standard

2 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	919005-14-4	2
9-Chloro hexadecane fluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	2
11-Chloroicosafuoro-3-oxaundecane-1-Sulfonic acid (11Cl-PF3OUdS)	763051-92-9	2
3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5	2
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	914637-49-3	2
3-Perfluoroheptyl propanoic acid (7:3 FTCA)	812-70-4	2
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	757124-72-4	2
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	27619-97-2	2
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	39108-34-4	2
Hexafluoropropylene oxide diamer acid (HFPO-DA)	13252-13-6	2
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	2
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	2
N-ethylperfluoro-1-octanesulfonamide (NEtFOSA)	4151-50-2	2
N-ethylperfluoro-1-octanesulfonamidoethanol (NEtFOSE)	1691-99-2	2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	2
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	2
N-Methylperfluorooctanesulfonamide (NMeFOSA)	31506-32-8	2
N-methylperfluoro-1-octanesulfonamidoethanol (NMeFOSE)	24448-09-7	2
Perfluorobutanoic acid (PFBA)	375-22-4	2
Perfluorobutanesulfonic acid (PFBS)	375-73-5	2
Perfluorodecanoic acid (PFDA)	335-76-2	2
Perfluorododecanoic acid (PFDoA)	307-55-1	2
Perfluorodecanesulfonic acid (PFDS)	335-77-3	2
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	113507-82-7	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	2
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	2
Perfluorohexanoic acid (PFHxA)	307-24-4	2
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	2
Perfluoro(3-methoxypropionic) acid (PFMPA)	377-73-1	2
Perfluoro(4-methoxybutanoic) acid (PFMBA)	863090-89-5	2
Perfluorononanoic acid (PFNA)	375-95-1	2
Perfluorononanesulfonic acid (PFNS)	68259-12-1	2
Pentafluorooctanoic acid (PFOA)	335-67-1	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	2
Perfluorooctanesulfonamide (PFOSA)	754-91-6	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	2
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	2
Perfluorotetradecanoic acid (PFTA)	376-06-7	2
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	2

Part number

ALO-101853

EU PFAS Food Standard

10 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	10
Perfluorononanoic acid (PFNA)	375-95-1	10
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	10
Pentadecafluorooctanoic acid (PFOA)	335-67-1	10

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Part number

AL0-101840

EPA 533/537.1 PFAS Calibration Standard

2 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
9-Chloro hexadecane fluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	73606-19-6	2
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	83329-89-9	2
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	919005-14-4	2
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	2
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	2
Nonafluorobutane-1-sulfonic acid (PFBS)	375-73-5	2
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	151772-58-6	2
Pentadecafluorooctanoic acid (PFOA)	335-67-1	2
Perfluorobutanoic acid (PFBA)	375-22-4	2
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	39108-34-4	2
Perfluorodecanoic acid (PFDA)	335-76-2	2
Perfluorododecanoic acid (PFDoA)	307-55-1	2
Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	113507-82-7	2
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	2
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	757124-72-4	2
Perfluorohexanesulfonic acid potassium salt (PFHxS)	3871-99-6	2
Perfluorohexanoic acid (PFHxA)	307-24-4	2
Perfluoro(3-methoxypropionic) acid (PFMPA)	377-73-1	2
Perfluoro(4-methoxybutanoic) acid (PFMBA)	863090-89-5	2
Perfluorononanoic acid (PFNA)	375-95-1	2
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	27619-97-2	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	2
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	2
Perfluorotetradecanoic acid (PFTA)	376-06-7	2
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	2

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Part number

AL0-101854

EU PFAS Drinking Water Standard

2 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Nonafluorobutane-1-sulfonic acid (PFBS)	375-73-5	2
Pentadecafluorooctanoic acid (PFOA)	335-67-1	2
Perfluorobutanoic acid (PFBA)	375-22-4	2
Perfluorodecanoic acid (PFDA)	335-76-2	2
Perfluorodecanesulfonic acid (PFDS)	335-77-3	2
Perfluorododecanoic acid (PFDoA)	307-55-1	2
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	2
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	2
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	2
Perfluorohexanoic acid (PFHxA)	307-24-4	2
Perfluorononanoic acid (PFNA)	375-95-1	2
Perfluorononanesulfonic acid (PFNS)	68259-12-1	2
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	2
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	2
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	2
Perfluorotridecanesulfonic acid (PFTrDS)	791563-89-8	2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	2
Perfluoroundecanesulfonic acid (PFUdS)	749786-16-1	2

Part number

AL0-101927

EPA 534 PFAS Calibration Standard

2 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	2
Perfluorobutanesulfonic acid (PFBS)	375-73-5	2
Perfluorodecanoic acid (PFDA)	335-76-2	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	2
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	2
Perfluorohexanoic acid (PFHxA)	307-24-4	2
Perfluorononanoic acid (PFNA)	375-95-1	2
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	2
Perfluorooctanoic acid (PFOA)	335-67-1	2

Part number

AL0-101928

EPA 563 PFAS Calibration Standard

2-100 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Trifluoroacetic acid (TFA)	76-05-1	100
Perfluoropropanoic acid (PFPrA)	422-64-0	10
Trifluoromethanesulfonic acid (TFMS)	1493-13-6	10
Perfluoroethanesulfonic acid (PFEtS)	354-88-1	2
Perfluoropropanesulfonic acid (PFPrS)	423-41-6	2
Bistriflimide (TFSI)	98837-98-0	2

Part number

AL0-1012169

Ultra Short Chain PFAS Calibration

50 µg/mL in P&T Methanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Trifluoroacetic acid (TFA)	76-05-1	50
Trifluoromethanesulfonic acid (TFMS)	1493-13-6	50
Pentafluoropropionic acid (PFPrA)	422-64-0	50
Perfluoroethanesulfonic acid (PFEtS)	354-88-1	50
Perfluoropropanesulfonic acid (PFPrS)	423-41-6	50
Perfluorobutanoic acid (PFBA)	375-22-4	50
Perfluorobutanesulfonic acid (PFBS)	375-73-5	50

Explosives Calibration Standards**Part number**

ALO-101724

529 Surrogate Fortification Mix

100 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
1,3,5-Trimethyl-2-nitrobenzene	603-71-4	100
1,2,4-Trimethyl-5-nitrobenzene	610-91-3	100
Nitrobenzene-d5	4165-60-0	100

Part number

ALO-101725

8330B Nitroaromatic/Nitramine Mix

1000 µg/mL in Acetonitrile, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Amino-4,6-dinitrotoluene	35572-78-2	1000
4-Amino-2,6-dinitrotoluene	19406-51-0	1000
3,5-Dinitroaniline	618-87-1	1000
1,3-Dinitrobenzene	99-65-0	1000
2,4-Dinitrotoluene	121-14-2	1000
2,6-Dinitrotoluene	606-20-2	1000
HMX	2691-41-0	1000
Nitrobenzene	98-95-3	1000
Nitroglycerin	55-63-0	1000
2-Nitrotoluene	88-72-2	1000
3-Nitrotoluene	99-08-1	1000
4-Nitrotoluene	99-99-0	1000
PETN	78-11-5	1000
RDX	121-82-4	1000
Tetryl	479-45-8	1000

Part number

ALO-101726

8330 IS Mix

1000 µg/mL in Acetonitrile, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
3,4-Dinitrotoluene	610-39-9	1000

Part number

ALO-101761

8330B Nitroaromatic & Nitramine Mix

1000 µg/mL in Acetonitrile, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
2-Amino-4,6-dinitrotoluene	35572-78-2	1000
4-Amino-2,6-dinitrotoluene	19406-51-0	1000
3,5-Dinitroaniline	618-87-1	1000
1,3-Dinitrobenzene	99-65-0	1000
2,4-Dinitrotoluene	121-14-2	1000
2,6-Dinitrotoluene	606-20-2	1000
HMX	2691-41-0	1000
Nitrobenzene	98-95-3	1000
Nitroglycerin	55-63-0	1000
2-Nitrotoluene	88-72-2	1000
3-Nitrotoluene	99-08-1	1000
4-Nitrotoluene	99-99-0	1000
PETN	78-11-5	1000
RDX	121-82-4	1000
Tetryl	479-45-8	1000
1,3,5-Trinitrobenzene	99-35-4	1000
2,4,6-Trinitrotoluene	118-96-7	1000

Pharmaceuticals Calibration Standards**Part number**

ALO-101816

UCMR 5 542 Pharmaceuticals Mix

1000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Erythromycin	114-07-8	1000
Carbamazepine	298-46-4	1000
Diclofenac	15307-79-6	1000
Enalapril	76095-16-4	1000
Fluoxetine HCl	56296-78-7	1000
Gemfibrozil	25812-30-0	1000
Naproxen	22204-53-1	1000
Phenytoin	57-41-0	1000
Sulfamthoxazole	723-46-6	1000
Triclosan	3380-34-5	1000
Trimethoprim	738-70-5	1000

Part number

ALO-101825

UCMR 5 542 Pharmaceuticals SS

1000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Erythromycin	114-07-8	1000
Carbamazepine	298-46-4	1000
Diclofenac	15307-79-6	1000
Enalapril	76095-16-4	1000
Fluoxetine HCl	56296-78-7	1000
Gemfibrozil	25812-30-0	1000
Naproxen	22204-53-1	1000
Phenytoin	57-41-0	1000
Sulfamthoxazole	723-46-6	1000
Triclosan	3380-34-5	1000
Trimethoprim	738-70-5	1000

Part number

ALO-101832

542 Internal Standard

1000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Cabamazepine-d10	132183-78-9	1000
Triclosan-d3	1020719-98-5	1000

Part number

ALO-101833

542 Surrogate Mix

1000 µg/mL in Methanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Diclofenac-d4	153466-65-0	1000

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Cannabis**Part number**

ALO-101858

Cannabis Terpenes Mix 1

2500 µg/mL in Isopropano, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
(-)-alpha-Bisabolol	23089-26-1	2500
Camphene	79-92-5	2500
delta-3-Carene	13466-78-9	2500
beta-Caryophyllene	87-44-5	2500
(-)-Caryophyllene Oxide	1139-30-6	2500
p-Isopropyltoluene	99-87-6	2500
Eucalyptol	470-82-6	2500
Fenchol	1632-73-1	2500
Geraniol	106-24-1	2500
(-)-Guaiol	489-86-1	2500
alpha-Humulene	6753-98-6	2500
(-)-Isopulegol	89-79-2	2500
(R)-(+)-Limonene	5989-27-5	2500
Linalool	78-70-6	2500
beta-Myrcene	123-35-3	2500
Nerolidol	7212-44-4	2500
Ocimene	13877-91-3	2500
(-)-alpha-Phellandrene	4221-98-1	2500
alpha-Pinene	80-56-8	2500
(-)-beta-Pinene	18172-67-3	2500
alpha-Terpinene	99-86-5	2500
gamma-Terpinene	99-85-4	2500
alpha-Terpineol	98-55-5	2500
Terpinolene	586-62-9	2500

Part number

ALO-101859

Cannabis Terpenes Mix 2

2500 µg/mL in Isopropanol, 1 mL/Ampoule

Analyte	CAS Number	µg/mL
Camphor	76-22-2	2500
(S)-(+)-Carvone	2244-16-8	2500
Citral	5392-40-5	2500
(1R)-(-)-Fenchone	7787-20-4	2500
Menthol	89-78-1	2500
Menthone	10458-14-7	2500
Nerol	106-25-2	2500
(+)-Nootkatone	4674-50-4	2500
Piperitone	89-81-6	2500
R)-(+)-Pulegone	89-82-7	2500
Safranal	116-26-7	2500
Squalene	111-02-4	2500
(-)-α-Thujone	546-80-5	2500
Valencene	4630-07-3	2500
d-Valerolactam	675-20-7	2500
(-)-Verbenone	1196-01-6	2500

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Part number

ALO-101880

NY Residual Pesticide Mix 1

1-2 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acetamiprid	135410-20-7	1
Aldicarb	116-06-3	1
Azoxystrobin	131860-33-8	1
Boscalid	188425-85-6	1
Carbaryl	63-25-2	1
Carbofuran	1563-66-2	1
Chlorantraniliprole	500008-45-7	1
Dimethomorph	110488-70-5	1
Etofenprox	80844-07-1	1
Etoxazole	153233-91-1	1
Flonicamid	158062-67-0	1
Hexythiazox	78587-05-0	1
Imazalil	35554-44-0	1
Imidacloprid	138261-41-3	1
Malathion	121-75-5	1
Mevinphos	7786-34-7	1
Methiocarb	2032-65-7	1
Myclobutanil	88671-89-0	1
Phosmet	732-11-6	1
Piperonyl Butoxide	51-03-6	2
Spinetoram	935545-74-7	1
Spinosad	168316-95-8	1
Spiroxamine	118134-30-8	1
Tebuconazole	107534-96-3	1
Thiacloprid	111988-49-9	1
Thiamethoxam	153719-23-4	1
Trifloxystrobin	141517-21-7	1

Part number

ALO-101881

NY Residual Pesticide Mix 2

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Abamectin	71751-41-2	1
Acephate	30560-19-1	1
Bifenthrin	82657-04-3	1
Chlorpyrifos	2921-88-2	1
Clofentezine	74115-24-5	1
Coumaphos	56-72-4	1
Cypermethrin	52315-07-8	1
Diazinon	333-41-5	1
Dichlorvos	62-73-7	1
Dimethoate	60-51-5	1
Fipronil	120068-37-3	1
Kresoxim-methyl	143390-89-0	1
Metalaxyl	57837-19-1	1
Methomyl	16752-77-5	1
Paclobutrazol	76738-62-0	1
Prallethrin	23031-36-9	1
Prophos (Ethoprop)	13194-48-4	1
Propiconazole	60207-90-1	1
Propoxur (Baygon)	114-26-1	1
Pyridaben	96489-71-3	1
Spirotetramat	203313-25-1	1

Part number

AL0-101860

Cannabis Terpenes Mix 3

2500 µg/mL in Isopropanol, 1 mL Ampoule

Analyte	CAS Number	µg/mL
(+)-Borneol	464-43-7	2500
L(-)-Borneol	464-45-9	2500
Carvacrol	499-75-2	2500
(-)-α-Cedrene	469-61-4	2500
Cedrol	77-53-2	2500
Citronellol	106-22-9	2500
trans-β-Farnesene	18794-84-8	2500
Farnesol	4602-84-0	2500
(1R)-endo-(+)-Fenchyl alcohol	2217-02-9	2500
Geranyl acetate	105-87-3	2500
Isoborneol	124-76-5	2500
Isobornyl acetate	125-12-2	2500
m-Isopropyltoluene	535-77-3	2500
o-Isopropyltoluene	527-84-4	2500
Octyl acetate	112-14-1	2500
Phytane (2,6,10,14-Tetramethylhexadecane)	638-36-8	2500
Sabinene	3387-41-5	2500
Sabinene Hydrate	546-79-2	2500
Terpinen-4-ol	562-74-3	2500
Thymol	89-83-8	2500

Part number

AL0-101861

Colorado/Canada Pesticide Mix 1

9.986-1017 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Ace+B80:D115tamiprid	135410-20-7	101.5
Aldicarb	116-06-3	1001
Azoxystrobin	131860-33-8	19.8
Boscalid	188425-85-6	20
Buprofezin	69327-76-0	19.98
Carbaryl	63-25-2	49
Carbofuran	1563-66-2	20.07
Chlorantraniliprole	500008-45-7	20.04
Cyprodinil	121552-61-2	251.9
Dimethomorph	110488-70-5	49.33
Dinotefuran	165252-70-0	101.5
Etofenprox	80844-07-1	49.93
Etozazole	153233-91-1	20.06
Flonicamid	158062-67-0	49.94
Hexythiazox	78587-05-0	9.986
Imazalil	35554-44-0	50.55
Imidacloprid	138261-41-3	19.94
Iprodione	36734-19-7	1017
Malathion	121-75-5	20.15
Mevinphos	7786-34-7	49.53
Methiocarb	2032-65-7	19.96
Myclobutanil	88671-89-0	19.78
Novaluron	116714-46-6	49.52
Pirimicarb	23103-98-2	20.12
Phosmet	732-11-6	19.76
Piperonyl Butoxide	51-03-6	203.6
Spinetoram	935545-74-7	19.9
Spinosad	168316-95-8	100.2
Spirodiclofen	148477-71-8	254.4
Spiroxamine	118134-30-8	100.9
Stirophos (Tetrachlorvinphos)	22248-79-9	19.8
Tebuconazole	107534-96-3	50.55
Tebufozide	112410-23-8	20.13
Thiacloprid	111988-49-9	20.1
Thiamethoxam	153719-23-4	20.14
Trifloxystrobin	141517-21-7	19.9

Part number

AL0-101882

NY Residual Pesticide Mix 3

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Azadirachtin	11141-17-6	1
Chlordane	57-74-9	1
Chlorfenapyr	122453-73-0	1
Daminozide	1596-84-5	1
Fenhexamid	126833-17-8	1
Fludioxonil	131341-86-1	1
Indole-3-butyric	133-32-4	1
Methyl Parathion	298-00-0	1
MKG-264	113-48-4	1
Naled	300-76-5	1
Pyrethrum	8003-34-7	1

Part number

AL0-101883

NY Residual Pesticide Mix 4

1-2 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acequinocyl	57960-19-7	2
Bifenazate	149877-41-8	1
Captan	133-06-2	1
Chlormequat	7003-89-6	1
Cyfluthrin	68359-37-5	1
Fenoxycarb	72490-01-8	1
Fenpyroximate	111812-58-9	1
Pentachloronitrobenzene	82-68-8	1
cis-Permethrin	54774-45-7	1
trans-Permethrin	51877-74-8	1
Oxamyl	23135-22-0	1
Spiromesifen	283594-90-1	1

Part number

AL0-101844

CO Residual Solvents

2-1000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Acetone	67-64-1	1000
Benzene	71-43-2	2
Ethanol	64-17-5	1000
Ethylbenzene	100-41-4	1000
n-Heptane	142-82-5	1000
n-Hexane	110-54-3	60
Methanol	67-56-1	1000
n-Pentane	109-66-0	600
2-Propanol (Isopropyl alcohol)	67-63-0	1000
Toluene	108-88-3	180
o-Xylene (1,2-Dimethylbenzene)	95-47-6	430
m-Xylene (1,3-Dimethylbenzene)	108-38-3	430
p-Xylene (1,4-Dimethylbenzene)	106-42-3	430

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Part number

AL0-101862

Colorado/Canada Pesticide Mix 2

19.72-992.2 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Abamectin	71751-41-2	100.1
Acephate	30560-19-1	19.7
Allethrin	584-79-2	198.7
Bifenthrin	82657-04-3	992.2
Chlorpyrifos	2921-88-2	39.86
Clofentezine	74115-24-5	19.85
Coumaphos	56-72-4	19.9
Cypermethrin	52315-07-8	296.1
Diazinon	333-41-5	20.21
Dichlorvos	62-73-7	102
Dimethoate	60-51-5	19.82
Fensulfothion	115-90-2	19.75
Fenthion	55-38-9	19.84
Fipronil	120068-37-3	59.71
Kresoxim-methyl	143390-89-0	19.81
Metalaxyl	57837-19-1	19.75
Methomyl	16752-77-5	50.22
Paclobutrazol	76738-62-0	19.72
Phenothrin	26002-80-2	49.84
Prallethrin	23031-36-9	50.08
Prophos (Ethoprop)	13194-48-4	19.79
Propiconazole	60207-90-1	98.43
Propoxur (Baygon)	114-26-1	19.93
Pyraclostrobin	175013-18-0	19.85
Pyridaben	96489-71-3	49.87
Resmethrin	10453-86-8	99.25
Spirotetramat	203313-25-1	19.76
Teflubenzuron	83121-18-0	49.69
Tetramethrin	7696-12-0	99.74

Part number

AL0-101863

Colorado/Canada Pesticide Mix 3

19.9-999.1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Azadirachtin	11141-17-6	999.1
Chlorfenapyr	122453-73-0	49.61
Clothianidin	210880-92-5	50
Cyantraniliprole	736994-63-1	20
Daminozide	1596-84-5	100.7
Dodemorph	1593-77-7	50.29
Etridiazole	2593-15-9	30.34
Fludioxonil	131341-86-1	19.96
Fluopyram	658066-35-4	19.9
Methyl Parathion	298-00-0	50.28
MGK-264	113-48-4	49.43
Naled	300-76-5	99.91
Pyrethrum	8003-34-7	50.2

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Part number

AL0-101843

CO Residual Gases

1000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Butane	106-97-8	1000
2-Methylpropane (Isobutane)	75-28-5	1000
n-Propane	74-98-6	1000

Part number

AL0-101847

OR Residual Solvents

2-5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Acetone	67-64-1	5000
Acetonitrile	75-05-8	410
Benzene	71-43-2	2
1-Butanol	71-36-3	5000
2-Butanol	78-92-2	5000
2-Butone (MEK)	78-93-3	5000
Cumene (Isopropylbenzene)	98-82-8	70
Cyclohexane	110-82-7	3880
Dichloromethane (Methylene Chloride)	75-09-2	600
2,2-Dimethylbutane	75-83-2	290
2,3-Dimethylbutane	79-29-8	290
1,2-Dimethoxyethane	110-71-4	100
N,N-Dimethylacetamide	127-19-5	1090
N,N-Dimethylformamide	68-12-2	880
Dimethyl sulfoxide (DMSO)	67-68-5	5000
1,4-Dioxane	123-91-1	380
Ethanol	64-17-5	5000
2-Ethoxyethanol	110-80-5	5000
Ethyl acetate	141-78-6	5000
Ethylbenzene	100-41-4	2170
Ethylene glycol	107-21-1	620
Ethyl ether	60-29-7	5000
n-Heptane	142-82-5	290
n-Hexane	110-54-3	5000
Isopropyl acetate	108-21-4	5000
Methanol	67-56-1	3000
2-Methylbutane (Isopentane)	78-78-4	5000
Methylpropane	75-28-5	5000
2-Methylpentane	107-83-5	290
3-Methylpentane	96-14-0	290
n-Pentane	109-66-0	5000
1-Pentanol	71-41-0	5000
1-Propanol	71-23-8	5000
2-Propanol (Isopropyl alcohol)	67-63-0	500
Pyridine	110-86-1	200
Sulfolane	126-33-0	160
Tetrahydrofuran	109-99-9	720
Toluene	108-88-3	890
o-Xylene (1,2-Dimethylbenzene)	95-47-6	2170
m-Xylene (1,3-Dimethylbenzene)	108-38-3	2170
p-Xylene (1,4-Dimethylbenzene)	106-42-3	2170

Part number

AL0-101884

Multi-State Residual Gases 1

5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
n-Butane	106-97-8	5000
n-Propane	74-98-6	5000

Part number

AL0-101885

Multi-State Residual Gases 2

5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
n-Butane	106-97-8	5000
2-Methylpropane (Isobutane)	75-28-5	5000
n-Propane	74-98-6	5000

Part number

AL0-101864

Colorado/Canada Pesticide Mix 4

19.89-503.6 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acequinocyl	57960-19-7	30.05
Benzovindiflupyr	1072957-71-1	20.1
Bifenazate	149877-41-8	19.89
Cyfluthrin	68359-37-5	202
Deltamethrin	52918-63-5	503.6
Endosulfan I	959-98-8	202
Endosulfan II	33213-65-9	50.64
Endosulfan Sulfate	1031-07-8	50.49
Fenoxycarb	72490-01-8	20.04
Fenpyroximate	111812-58-9	19.97
Fenvalerate	51630-58-1	100.3
Pentachloronitrobenzene	82-68-8	20.11
Permethrin	52645-53-1	503.6
Thiophanate-methyl	23564-05-8	49.97

Part number

AL0-101865

Colorado/Canada Pesticide Mix 5

3008-3030 µg/mL in Ethyl Acetate, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Oxamyl	23135-22-0	3030
Spiromesifen	283594-90-1	3008

Part number

AL0-101866

Colorado/Canada Pesticide Mix 6

503.4-2006 µg/mL in Toluene/Isocetane (1:1), 1 mL Ampoule

Analyte	CAS Number	µg/mL
Kinoprene	42588-37-4	503.4
Methoprene	40596-69-8	2006

Part number

AL0-101867

Multi-State Residual Pesticide Mix 1

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Bifenazate	149877-41-8	1
Cyfluthrin	68359-37-5	1
Fenpyroximate	134098-61-6	1
Fenoxycarb	72490-01-8	1
Fludioxonil	131341-86-1	1
Naled	300-76-5	1
Oxamyl	23135-22-0	1
cis-Permethrin	54774-45-7	1
trans-Permethrin	51877-74-8	1
Pyrethrins	8003-34-7	1
Pyridaben	96489-71-3	1
Spiromesifen	283594-90-1	1

Part number

AL0-101886

Ethylene Oxide Calibration

5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Ethylene oxide	75-21-8	50

Part number

AL0-101887

2,2-Dimethylpropane Calibration

5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
2,2-dimethylpropane (Neopentane)	463-82-1	5000

Part number

AL0-101888

WA Residual Solvents

2-5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Acetone	67-64-1	5000
Benzene	71-43-2	2
Chloroform	67-66-3	2
Cyclohexane	110-82-7	3880
Dichloromethane	75-09-2	600
2,2-Dimethylbutane	75-83-2	290
2,3-Dimethylbutane	79-29-8	290
Ethanol	64-17-5	5000
Ethyl acetate	141-78-6	5000
n-Heptane	142-82-5	5000
n-Hexane	110-54-3	290
Methanol	67-56-1	3000
Methylbutane	78-78-4	5000
2-Methylpentane	107-83-5	290
3-Methylpentane	96-14-0	290
n-Pentane	109-66-0	5000
2-Propanol	67-63-0	5000
Toluene	108-88-3	890
m-Xylene	95-7-6	2170
p-Xylene	108-38-3	2170
o-Xylene	106-42-3	2170

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Part number

ALO-101868

Multi-State Residual Pesticide Mix 2

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Abamectin	71751-41-2	1
Acephate	30560-19-1	1
Bifenthrin	82657-04-3	1
Clofentezine	74115-24-5	1
Chlorpyrifos	2921-88-2	1
Cypermethrin	52315-07-8	1
Diazinon	333-41-5	1
Dichlorvos	62-73-7	1
Fipronil	120068-37-3	1
Kresoxim-methyl	143390-89-0	1
Metalaxyl	57837-19-1	1
Methomyl	16752-77-5	1
Paclobutrazol	76738-62-0	1
Prallethrin	23031-36-9	1
Propiconazole	60207-90-1	1
Spirotetramat	203313-25-1	1

Part number

ALO-101869

Multi-State Residual Pesticide Mix 3

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acetamiprid	135410-20-7	1
Aldicarb	116-06-3	1
Azoxystrobin	131860-33-8	1
Boscalid	188425-85-6	1
Carbaryl	63-25-2	1
Carbofuran	1563-66-2	1
Chlorantraniliprole	500008-45-7	1
Etofenprox	80844-07-1	1
Etoxazole	153233-91-1	1
Flonicamid	158062-67-0	1
Hexythiazox	78587-05-0	1
Imazalil	35554-44-0	1
Imidacloprid	138261-41-3	1
Malathion	121-75-5	1
Methiocarb	2032-65-7	1
Myclobutanil	88671-89-0	1
Phosmet	732-11-6	1
Spinosad	168316-95-8	1
Sprioxamine	118134-30-8	1
Tebuconazole	80443-41-0	1
Thiacloprid	111988-49-9	1
Thiamethoxam	153719-23-4	1
Trifloxystrobin	141517-21-7	1

Part number

ALO-101870

Multi-State Residual Pesticide Mix 4

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Chlorfenapyr	122453-73-0	1
Daminozide	1596-84-5	1
Ethoprophos	13194-48-4	1
Propoxur	114-26-1	1

Part number

ALO-101889

AZ Residual Solvents

2-5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Acetone	67-64-1	5000
Acetonitrile	75-05-8	410
Benzene	71-43-2	2
1-Butanol	71-36-3	5000
2-Butanol	78-92-2	5000
2-Butone (MEK)	78-93-3	5000
Cumene (Isopropylbenzene)	98-82-8	70
Cyclohexane	110-82-7	3880
Dichloromethane (Methylene Chloride)	75-09-2	600
2,2-Dimethylbutane	75-83-2	290
2,3-Dimethylbutane	79-29-8	290
1,2-Dimethoxyethane	110-71-4	100
N,N-Dimethylacetamide	127-19-5	1090
N,N-Dimethylformamide	68-12-2	880
Dimethyl sulfoxide (DMSO)	67-68-5	5000
1,4-Dioxane	123-91-1	380
Ethanol	64-17-5	5000
2-Ethoxyethanol	110-80-5	160
Ethyl acetate	141-78-6	5000
Ethylbenzene	100-41-4	2170
Ethylene glycol	107-21-1	620
Ethyl ether	60-29-7	5000
n-Heptane	142-82-5	5000
n-Hexane	110-54-3	290
Isobutyl acetate	110-19-0	5000
Methanol	67-56-1	3000
2-Methylbutane (Isopentane)	78-78-4	5000
Methylpropane	75-28-5	5000
2-Methylpentane	107-83-5	290
3-Methylpentane	96-14-0	290
n-Pentane	109-66-0	5000
1-Pentanol	71-41-0	5000
1-Propanol	71-23-8	5000
2-Propanol (Isopropyl alcohol)	67-63-0	5000
Pyridine	110-86-1	200
Sulfolane	126-33-0	160
Tetrahydrofuran	109-99-9	720
Toluene	108-88-3	890
o-Xylene (1,2-Dimethylbenzene)	95-47-6	2170
m-Xylene (1,3-Dimethylbenzene)	108-38-3	2170
p-Xylene (1,4-Dimethylbenzene)	106-42-3	2170

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Part number

AL0-101871

OR Residual Pesticide Mix 5

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acequinocyl	57960-19-7	1
Methyl Parathion	298-00-0	1
MGK-264	113-48-4	1
Piperonyl Butoxide	51-03-6	1

Part number

AL0-101872

WA Residual Pesticide Mix 5

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acequinocyl	57960-19-7	1
Dimethoate	60-51-5	1
Methyl Parathion	298-00-0	1
MGK-264	113-48-4	1
Piperonyl Butoxide	51-03-6	1

Part number

AL0-101873

AZ Residual Pesticide Mix 5

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Dimethoate	60-51-5	1
Piperonyl Butoxide	51-03-6	1

Part number

AL0-101874

MI Residual Pesticide Mix 5

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acequinocyl	57960-19-7	1
Dimethoate	60-51-5	1
Methyl Parathion	298-00-0	1
MGK-264	113-48-4	1

Part number

AL0-101875

MO Residual Pesticide Mix 5

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acequinocyl	57960-19-7	1
Chlormequat	7003-89-6	1
Dimethoate	60-51-5	1
Methyl Parathion	298-00-0	1
MGK-264	113-48-4	1
Piperonyl Butoxide	51-03-6	1
Vitamin E acetate	58-95-7	1

Part number

AL0-101890

MI/MO Residual Solvents

2-5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Acetone	67-64-1	5000
Acetonitrile	75-05-8	410
Benzene	71-43-2	2
Chloroform	67-66-3	60
1,2-Dichloroethane	107-06-2	5
Dichloromethane (Methylene Chloride)	75-09-2	600
2,2-Dimethylbutane	75-83-2	290
2,3-Dimethylbutane	79-29-8	290
Ethanol	64-17-5	5000
Ethyl acetate	141-78-6	5000
Ethyl ether	60-29-7	5000
n-Heptane	142-82-5	5000
n-Hexane	110-54-3	290
Methanol	67-56-1	3000
2-Methylbutane (Isopentane)	78-78-4	5000
2-Methylpentane	107-83-5	290
3-Methylpentane	96-14-0	290
n-Pentane	109-66-0	5000
2-Propanol (Isopropyl alcohol)	67-63-0	5000
Toluene	108-88-3	890
1,1,2-Trichloroethylene	79-01-6	80
o-Xylene (1,2-Dimethylbenzene)	95-47-6	2170
m-Xylene (1,3-Dimethylbenzene)	108-38-3	2170
p-Xylene (1,4-Dimethylbenzene)	106-42-3	2170

Part number

AL0-101891

Canadian Residual Solvents

5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Acetic acid	64-19-7	5000
Acetone	67-64-1	5000
Anisole (Methoxybenzene)	100-66-3	5000
1-Butanol	71-36-3	5000
2-Butanol	78-92-2	5000
2-Butone (MEK)	78-93-3	5000
Butyl acetate	123-86-4	5000
Dimethyl sulfoxide (DMSO)	67-68-5	5000
Ethanol	64-17-5	5000
Ethyl acetate	141-78-6	5000
Ethyl ether	60-29-7	5000
Ethyl formate	109-94-4	5000
Formic acid	64-18-6	5000
n-Heptane	142-82-5	5000
Isobutyl acetate	110-19-0	5000
Isopropyl acetate	108-21-4	5000
Methyl acetate	79-20-9	5000
3-Methyl-1-butanol	123-51-3	5000
Methyl tert-butyl ether (MTBE)	1634-04-4	5000
2-Methyl-1-propanol	78-83-1	5000
n-Pentane	109-66-0	5000
1-Pentanol	71-41-0	5000
1-Propanol	71-23-8	5000
2-Propanol (Isopropyl alcohol)	67-63-0	5000
Propyl acetate	109-60-4	5000
Triethylamine	121-44-8	5000

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Part number

AL0-101876

CA Residual Pesticides Category 1

1 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Aldicarb	116-06-3	1
Carbofuran	1563-66-2	1
Chlordane	57-74-9	1
Chlorfenapyr	122463-73-0	1
Chlorpyrifos	2921-88-2	1
Coumaphos	56-72-4	1
Daminozide	1596-84-5	1
Diclorvos	62-73-7	1
Dimethoate	60-51-5	1
Ethoprop	13194-48-4	1
Etofenprox	80844-07-1	1
Fenoxycarb	72490-01-8	1
Fipronil	120068-37-3	1
Imazalil	35554-44-0	1
Methiocarb	2032-65-7	1
Methyl parathion	298-00-0	1
Mevinphos	7786-34-7	1
Paclobutrazol	76738-62-0	1
Propoxur	114-26-1	1
Spiroxamine	118134-30-8	1
Thiacloprid	111988-49-9	1

Part number

AL0-101877

CA Residual Pest Category 2 Mix 1

1-30 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acequinocyl	57960-19-7	4
Bifenazate	149877-41-8	5
Captan	133-06-2	5
Cyfluthrin	68359-37-5	2
Fenhexamind	126833-17-8	10
Fenpyroximate	111812-58-9	2
Fludioxonil	131341-86-1	30
Naled	300-76-5	1
Oxamyl	23135-22-0	1
Pentachloronitrobenzene	82-68-8	1
Permethrin	52645-53-1	20
Pyrethrins	8003-34-7	1
Pyridaben	96489-71-3	3
Spiromesifen	283594-90-1	12

Part number

AL0-101878

CA Residual Pest Category 2 Mix 2

1-20 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Abamectin	71751-41-2	1
Acephate	30560-19-1	5
Bifenthrin	82657-04-3	3
Clofentezine	74115-24-5	1
Cypermethrin	52315-07-8	1
Diazinon	333-41-5	1
Kresoxim-methyl	143390-89-0	1
Metalaxyl	57837-19-1	15
Methomyl	16752-77-5	1
Prallethrin	23031-36-9	1
Propiconazole	60207-90-1	20
Spirotetramat	203313-25-1	13

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AL0-101892

NY Residual Solvents

2-5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Acetone	67-64-1	5000
Acetonitrile	75-05-8	410
Benzene	71-43-2	2
Chloroform	67-66-3	60
1,2-Dichloroethane	107-06-2	5
Dichloromethane (Methylene Chloride)	75-09-2	600
2,2-Dimethylbutane	75-83-2	290
2,3-Dimethylbutane	79-29-8	290
Dimethyl sulfoxide (DMSO)	67-68-5	5000
Ethanol	64-17-5	5000
Ethyl acetate	141-78-6	5000
Ethyl ether	60-29-7	5000
n-Heptane	142-82-5	5000
n-Hexane	110-54-3	290
Methanol	67-56-1	3000
2-Methylbutane (Isopentane)	78-78-4	5000
2-Methylpentane	107-83-5	290
3-Methylpentane	96-14-0	290
n-Pentane	109-66-0	5000
2-Propanol (Isopropyl alcohol)	67-63-0	5000
1,1,1,2-Tetrafluoroethane	811-97-2	1000
Toluene	108-88-3	890
1,1,1-Trichloroethane	71-55-6	1500
o-Xylene (1,2-Dimethylbenzene)	95-47-6	2170
m-Xylene (1,3-Dimethylbenzene)	108-38-3	2170
p-Xylene (1,4-Dimethylbenzene)	106-42-3	2170

Part number

AL0-101893

CA Residual Solvents Category 1

1 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Benzene	71-43-2	1
Chloroform	67-66-3	1
1,2-Dichloroethane	107-06-2	1
Methylene Chloride	75-09-2	1
Trichloroethylene	79-01-6	1

Part number

AL0-101894

CA Residual Solvents Category 2

290-5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Acetone	67-64-1	5000
Acetonitrile	75-05-8	410
Ethanol	64-17-5	5000
Ethyl acetate	141-78-6	5000
Ethyl ether	60-29-7	5000
n-Heptane	142-82-5	5000
Hexane	110-54-3	290
Isopropyl alcohol	67-63-0	5000
Methanol	67-56-1	3000
n-Pentane	109-66-0	5000
Toluene	108-88-3	890
m-Xylene	95-47-6	2170
p-Xylene	108-38-3	2170
o-Xylene	106-42-3	2170

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Part number

AL0-101879

CA Residual Pest Category 2 Mix 3

1-40 µg/mL in Acetonitrile, 1 mL Ampoule

Analyte	CAS Number	µg/mL
Acetamidiprid	135410-20-7	5
Azoxystrobin	131860-33-8	40
Boscalid	188425-85-6	10
Carbaryl	63-25-2	1
Chlorantraniliprole	500008-45-7	40
Dimethomorph	110488-70-5	20
Etoxadole	153233-91-1	2
Flonicamid	158062-67-0	2
Hexythiazox	78587-05-0	2
Imidacloprid	138261-41-3	5
Malathion	121-75-5	5
Myclobutanil	88671-89-0	9
Phosmet	732-11-6	1
Piperonyl Butoxide	51-03-6	8
Spinetoram	935545-74-7	3
Spinosad	168316-95-8	3
Tebuconazole	80443-41-0	2
Thiamectoxam	153719-23-4	5
Trifloxystrobin	141517-21-7	30

Part number

AL0-101895

NM Residual Solvents

2-5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Acetone	67-64-1	5000
Benzene	71-43-2	2
Ethanol	64-17-5	5000
Ethylbenzene	100-41-4	2170
n-Heptane	142-82-5	5000
n-Hexane	110-54-3	290
Methanol	67-56-1	3000
n-Pentane	109-66-0	5000
2-Propanol (Isopropyl alcohol)	67-63-0	5000
Toluene	108-88-3	890
o-Xylene (1,2-Dimethylbenzene)	95-47-6	2170
m-Xylene (1,3-Dimethylbenzene)	108-38-3	2170
p-Xylene (1,4-Dimethylbenzene)	106-42-3	2170

Part number

AL0-101896

MA Residual Solvents

50-5000 µg/mL in 1,2,4-Trimethylbenzene

Analyte	CAS Number	µg/mL
Acetic acid	64-19-7	5000
Acetone	67-64-1	5000
Acetonitrile	75-05-8	410
Anisole (Methoxybenzene)	100-66-3	5000
1-Butanol	71-36-3	5000
2-Butanol	78-92-2	5000
2-Butone (MEK)	78-93-3	5000
Butyl acetate	123-86-4	5000
Chlorobenzene	108-90-7	360
Chloroform	67-66-3	60
Cumene (Isopropylbenzene)	98-82-8	70
Cyclohexane	110-82-7	3880
1,2-Dichloroethane	107-06-2	1870
Dichloromethane (Methylene Chloride)	75-09-2	600
1,2-Dimethoxyethane	110-71-4	100
N,N-Dimethylacetamide	127-19-5	1090
N,N-Dimethylformamide	68-12-2	880
Dimethyl sulfoxide (DMSO)	67-68-5	5000
1,4-Dioxane	123-91-1	380
Ethanol	64-17-5	5000
2-Ethoxyethanol	110-80-5	160
Ethyl acetate	141-78-6	500
Ethylene glycol	107-21-1	620
Ethyl ether	60-29-7	5000
Ethyl formate	109-94-4	5000
Formamide	75-12-7	220
Formic acid	64-18-6	5000
n-Heptane	142-82-5	5000
n-Hexane	110-54-3	290
Isobutyl acetate	110-19-0	5000
Isopropyl acetate	108-21-4	5000
Methanol	67-56-1	3000
2-Methoxyethanol	109-86-4	50
Methyl acetate	79-20-9	5000
3-Methyl-1-butanol	71-36-3	5000
Methyl tert-butyl ether (MTBE)	1634-04-4	5000
2-Hexanone (MBK)	591-78-6	50
Methylcyclohexane	108-87-2	1180
4-Methyl-2-pentanone (MIBK)	108-10-1	5000
2-Methyl-1-propanol	78-83-1	5000
n-Methylpyrrolidone	872-50-4	530
Nitromethane	75-52-5	50
n-Pentane	109-66-0	5000
1-Pentanol	71-41-0	5000
1-Propanol	71-23-8	5000
2-Propanol (Isopropyl alcohol)	67-63-0	5000
Propyl acetate	109-60-4	5000
Pyridine	110-86-1	200
Sulfolane	126-33-0	160
Tetrahydrofuran	109-99-9	720
Tetralin	119-64-2	100
Toluene	108-88-3	890
1,1,2-Trichloroethylene	79-01-6	80
o-Xylene (1,2-Dimethylbenzene)	95-47-6	2170
m-Xylene (1,3-Dimethylbenzene)	108-38-3	2170
p-Xylene (1,4-Dimethylbenzene)	106-42-3	2170

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Single Component Analytes

VOA Analytes

Part Number	Analyte	CAS Number	
ALO-101319	Acetone	67-64-1	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101320	Acetonitrile	75-05-8	1000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101224	Acrolein	107-02-8	5000 µg/mL in Water, 1 mL/Ampoule
ALO-101563	Acrylonitrile	107-13-1	5000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101417	Allyl chloride	107-05-1	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101489	tert-Amyl ethyl ether	919-94-8	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101357	tert-Amyl methyl ether (TAME)	994-05-8	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101321	Benzene	71-43-2	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101680	Benzene Standard	71-43-2	200 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101315	2-Bromo-1-chloropropane	3017-95-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101322	Bromobenzene	108-86-1	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101323	Bromochloromethane	74-97-5	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101324	Bromodichloromethane	75-27-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101226	4-Bromofluorobenzene	460-00-4	1000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101231	4-Bromofluorobenzene	460-00-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101325	Bromoform	75-25-2	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101326	Bromomethane	74-83-9	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101316	2-Butanone (MEK)	78-93-3	5000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101358	tert-Butyl alcohol	75-65-0	50000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101327	Carbon disulfide	75-15-0	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101328	Carbon tetrachloride	56-23-5	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101230	1-Chloro-2-fluorobenzene	348-51-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101225	1-Chloro-4-fluorobenzene	352-33-0	1000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101617	Chloroprene (2-Chloro-1,3-butadiene)	126-99-8	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101329	Chlorobenzene	108-90-7	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101331	Chloroethane	75-00-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101317	2-Chloroethanol	107-07-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101227	2-Chloroethyl vinyl ether	110-75-8	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101333	Chloroform	67-66-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101334	Chloromethane	74-87-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101648	Cyclohexane	110-82-7	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101330	Chlorobenzene-d5	3114-55-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101711	Tetrahydrofuran-d8	1693-74-9	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101362	Toluene-d8	2037-26-5	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101302	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101337	Dibromochloromethane (chlorodibromochloromethane)	124-48-1	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101303	1,2-Dibromoethane	106-93-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101338	Dibromomethane	74-95-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101365	trans-1,4-Dichloro-2-butene	110-57-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101304	1,2-Dichlorobenzene	95-50-1	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-101305	1,2-Dichlorobenzene-d4	2199-69-1	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101310	1,3-Dichlorobenzene	541-73-1	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-101311	1,4-Dichlorobenzene	106-46-7	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-101339	Dichlorodifluoromethane	75-71-8	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101296	1,1-Dichloroethane	75-34-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101306	1,2-Dichloroethane	107-06-2	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101307	1,2-Dichloroethane-d4	17060-07-0	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101335	cis-1,2-Dichloroethene	156-59-2	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101363	trans-1,2-Dichloroethene	156-60-5	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101297	1,1-Dichloroethene	75-35-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101308	1,2-Dichloropropane	78-87-5	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101314	2,2-Dichloropropane	594-20-7	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101336	cis-1,3-Dichloropropene	10061-01-5	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101364	trans-1,3-Dichloropropene	10061-02-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101340	Diethyl ether (ethyl ether)	60-29-7	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101312	1,4-Difluorobenzene	540-36-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101341	Diisopropyl ether (DIPE)	108-20-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
ALO-101313	1,4-Dioxane	123-91-1	2000 µg/mL in P&T Methanol, 1 mL/Ampoule

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Part Number	Analyte	CAS Number	
AL0-101564	1,4-Dioxane	123-91-1	10000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101555	1,4-Dioxane-d8	17647-74-4	10000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101592	Ethanol	64-17-5	40000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101633	Ethanol	64-17-5	10000 µg/mL in Water, 1 mL/Ampoule
AL0-101701	Ethanol	64-17-5	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101431	Ethyl methacrylate	97-63-2	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101342	Ethylbenzene	100-41-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101632	Ethylene Oxide	75-21-8	500 µg/mL in DMSO, 1 mL/Ampoule
AL0-101229	Fluorobenzene	462-06-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101344	Hexachlorobutadiene	87-68-3	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101345	Hexachloroethane	67-72-1	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101346	Iodomethane	74-88-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101346	Iodomethane	74-88-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101347	Isobutanol	78-83-1	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101779	Isobutanol Standard	78-83-1	20000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101593	Isopropanol	67-63-0	20000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101780	Isopropyl acetate Standard	108-21-4	1000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101348	Isopropylbenzene	98-82-8	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101437	Methacrylonitrile	126-98-7	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101550	Methanol	67-56-1	10000 µg/mL in Water, 1 mL/Ampoule
AL0-101572	Methanol	67-56-1	100 µg/mL in Water, 1 mL/Ampoule
AL0-101573	Methanol	67-56-1	2000 µg/mL in Water, 1 mL/Ampoule
AL0-101318	4-Methyl-2-pentanone (MIBK)	108-10-1	5000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101439	Methyl methacrylate	80-62-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101349	Methylene chloride (dichloromethane)	75-09-2	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101476	2-Methylnaphthalene	91-57-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101352	Naphthalene	91-20-3	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101483	Pentachloroethane	76-01-7	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101613	Perfluorotributylamine (PFTBA)	311-89-7	Neat, 1 mL/Ampoule
AL0-101614	Perfluorotributylamine (PFTBA)	311-89-7	Neat, 5 mL/Ampoule
AL0-101777	1-Propanol Standard	71-23-8	20000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101441	Propionitrile	107-12-0	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101356	Styrene	100-42-5	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101343	Ethyl-tert-butyl ether (ETBE)	637-92-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101350	Methyl-tert butyl ether (MTBE)	1634-04-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101292	1,1,1,2-Tetrachloroethane	630-20-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101294	1,1,2,2-Tetrachloroethane	79-34-5	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101359	Tetrachloroethene	127-18-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101360	Tetrahydrofuran	109-99-9	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101778	Tetrahydrofuran Standard	109-99-9	10000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101361	Toluene	108-88-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101298	1,2,3-Trichlorobenzene	87-61-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101300	1,2,4-trichlorobenzene	120-82-1	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101293	1,1,1-Trichloroethane	71-55-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101295	1,1,2-Trichloroethane	79-00-5	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101366	Trichloroethene	79-01-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101367	Trichlorofluoromethane	75-69-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101299	1,2,3-Trichloropropane	96-18-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101757	1,2,3-Trichloropropane-d5	203578-27-2	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101754	1,1,2-Trichlorotrifluoroethane	76-13-1	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101490	α, α, α-Trifluorotoluene	98-08-8	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101477	1,2,3-Trimethylbenzene	526-73-8	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101301	1,2,4-Trimethylbenzene	95-63-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101309	1,3,5-Trimethylbenzene	108-67-8	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101841	Isooctane (2,2,4-Trimethylpentane)	540-84-1	1000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101228	Vinyl acetate	108-05-4	2000 µg/mL in Water, 1 mL/Ampoule
AL0-101368	Vinyl chloride	75-01-4	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101351	m-Xylene	108-38-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101354	o-Xylene	95-47-6	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101355	p-Xylene	106-42-3	2000 µg/mL in P&T Methanol, 1 mL/Ampoule

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Part Number	Analyte	CAS Number	
AL0-101386	Acenaphthene	83-32-9	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101662	Acenaphthene-d10	15067-26-2	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101387	Acenaphthylene	208-96-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101388	Acetophenone	98-86-2	5000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101419	Aniline	62-53-3	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101443	Aniline	62-53-3	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101744	Anthracene	120-12-7	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101649	Aramite	140-57-8	2000 µg/mL in Hexane, 1 mL/Ampoule
AL0-101389	Azobenzene	103-33-3	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101390	Benzidine	92-87-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101709	Benzo(a)anthracene	56-55-3	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101561	Benzo(a)pyrene-d12	63466-71-7	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101708	Benzo(a)pyrene	50-32-8	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101562	Benzo(b)fluoranthene	205-99-2	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101748	Benzo(e)pyrene	192-97-2	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101391	Benzo(g,h,i)perylene	191-24-2	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101747	Benzo(j)fluoranthene	205-82-3	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101707	Benzo(k)fluoranthene	207-08-9	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101246	Benzoic acid	65-85-0	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101727	Benzyl Benzoate	120-51-4	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101697	Biphenyl	92-52-4	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101687	Butyl Benzyl Phthalate	85-68-7	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101551	Caffeine	58-08-2	100 µg/mL in Methanol, 1 mL/Ampoule
AL0-101552	Caffeine	58-08-2	300 µg/mL in Methanol, 1 mL/Ampoule
AL0-101553	Caffeine	58-08-2	500 µg/mL in Methanol, 1 mL/Ampoule
AL0-101554	Caffeine	58-08-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101393	Carbazole	86-74-8	1000 µg/mL in Methylene chloride (Methanol free), 1 mL/Ampoule
AL0-101688	Carbazole	86-74-8	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101247	1-Chloro-octadecane	3386-33-2	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101384	4-Chloroaniline	106-47-8	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101686	Bis(2-Chloroethyl)ether	111-44-4	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101375	2-Chloronaphthalene	91-58-7	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101685	2-Chloronaphthalene	91-58-7	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101710	Chrysene	218-01-9	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101394	Dibenz(a,h)anthracene	53-70-3	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101750	Dibenzo(a,e)pyrene	192-65-4	100 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101752	Dibenzo(a,h)pyrene	189-64-0	100 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101751	Dibenzo(a,i)pyrene	189-55-9	100 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101749	Dibenzo(a,l)pyrene	191-30-0	100 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101691	Dibenzofuran	132-64-9	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101689	Di-n-butyl phthalate	84-74-2	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101809	cis-1,4-Dichloro-2-butene	1476-11-5	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101382	3,3'-Dichlorobenzidine	91-94-1	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101374	2,6-Dichlorophenol	87-65-0	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101735	Dicyclohexyl phthalate	84-61-7	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101692	Diethyl phthalate	84-66-2	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101736	Diheptyl phthalate	3648-21-3	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101733	Dihexyl phthalate	84-75-3	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101728	Diisobutyl phthalate	84-69-5	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101741	Diisodecyl phthalate	26761-40-0	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101734	Diisoheptyl phthalate	41451-28-9	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101737	Diisononyl phthalate	28553-12-0	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101738	Diisononyl phthalate (branched)	68515-48-0	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101730	Diisopentyl phthalate	605-50-5	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101693	Dimethyl phthalate	131-11-3	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101706	1,3-Dinitrobenzene	99-65-0	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101673	2,4-Dinitrophenol	51-28-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101698	2,6-Dinitrotoluene	606-20-2	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101740	Dinonyl phthalate	84-76-4	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101655	1,4-Dioxane	123-91-1	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101755	1,4-Dioxane	123-91-1	1000 µg/mL in Methylene chloride, 1 mL/Ampoule

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Part Number	Analyte	CAS Number	
AL0-101732	Dipentyl phthalate	131-18-0	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101712	Diphenylamine	122-39-4	5000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101742	Diundecyl phthalate	3648-20-2	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101392	bis(2-Ethylhexyl) phthalate	117-81-7	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101395	Fluoranthene	206-44-0	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101637	Fluoranthene-d10	93951-69-0	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101396	Fluorene	86-73-7	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101376	2-Fluorobiphenyl	321-60-8	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101377	2-Fluorobiphenyl	321-60-8	10000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101250	2-Fluorobiphenyl	321-60-8	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101378	2-Fluorophenol	367-12-4	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101694	Hexachlorobenzene	118-74-1	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101699	Hexachlorobutadiene	87-68-3	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101398	Hexachlorocyclopentadiene	77-47-4	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101399	Indeno(1,2,3-cd)pyrene	193-39-5	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101731	Isopentyl Pentyl Phthalate	776297-69-9	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101650	Methapyrilene	135-23-9	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101729	Bis(2-Methoxyethyl) phthalate	117-82-8	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101379	2-Methyl-4,6-Dinitrophenol	534-52-1	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101537	Methyl 2-3-Dibromopropionate	1729-67-5	1000 µg/mL in MTBE, 1 mL/Ampoule, 1 mL/Ampoule
AL0-101536	3-Methylcholanthrene	56-49-5	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101746	5-MethylChrysene	3697-24-3	100 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101369	1-Methylnaphthalene	90-12-0	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101380	2-Methylnaphthalene	91-57-6	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101756	1-Methylnaphthalene	90-12-0	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101638	2-Methylnaphthalene-d10	7297-45-2	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101383	3-Methylphenol	108-39-4	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101745	1-Methylpyrene	2381-21-7	100 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101353	Naphthalene-d8	1146-65-2	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101642	1-Naphthol	90-15-3	100 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101643	1-Naphthol	90-15-3	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101385	4-Nitrophenol	100-02-7	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101381	2-Nitropropane	79-46-9	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101808	N-Nitroso-di-n-butylamine	924-16-3	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101695	n-Nitrosodimethylamine	62-75-9	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101245	N-Nitrosodiphenylamine	86-30-6	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101565	n-Nonatriacontane	7194-86-7	1000 µg/mL in Carbon Disulfide, 1 mL/Ampoule
AL0-101690	Di-n-octyl phthalate	117-84-0	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101656	Pentachlorophenol	87-86-5	500 µg/mL in Methanol, 1 mL/Ampoule
AL0-101696	Pentachlorophenol	87-86-5	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101678	Perylene	198-55-0	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101743	Perylene-d12	1520-96-3	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101400	Phenanthrene	85-01-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101401	Phenanthrene-d10	1517-22-2	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101402	Phenol	108-95-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101403	Phenol-d6	13127-88-3	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101739	Bis(2-propylheptyl) Phthalate	53306-54-0	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101405	Pyrene	129-00-0	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101406	Pyridine	110-86-1	2000 µg/mL in P&T Methanol, 1 mL/Ampoule
AL0-101404	p-Terphenyl-d14	1718-51-0	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101248	o-Terphenyl	84-15-1	10000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101249	o-Terphenyl	84-15-1	2000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101556	p-Terphenyl	92-94-4	10000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101370	2,3,4,6-Tetrachlorophenol	58-90-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101372	2,4,6-Tribromophenol	118-79-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101705	Tributylphosphate	126-73-8	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101371	2,4,5-Trichlorophenol	95-95-4	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101373	2,4,6-Trichlorophenol	88-06-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101683	2,4,5-Trichlorophenol	95-95-4	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101684	2,4,6-Trichlorophenol	88-06-2	1000 µg/mL in Methylene chloride, 1 mL/Ampoule
AL0-101810	1,2,3-Trimethylbenzene	526-73-8	2000 µg/mL in Methylene chloride, 1 mL/Ampoule

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Pesticide/Herbicide Analytes

Part Number	Analyte	CAS Number	
AL0-101929	Acephate	30560-19-1	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101930	Acetamiprid	135410-20-7	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101415	Acifluorfen	50594-66-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101931	Acrinathrin	101007-06-1	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101932	Alachlor	15972-60-8	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101903	Aldicarb	116-06-3	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101416	Aldrin	309-00-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101933	Ametryn	834-12-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101934	Aminocarb	2032-59-9	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101271	Atrazine	1912-24-9	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101935	Azinphos-methyl	86-50-0	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101936	Azoxystrobin	131860-33-8	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101704	BDMC	672-99-1	100 µg/mL in Methanol, 1 mL/Ampoule
AL0-101937	Benalaxyl	71626-11-4	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101919	Bendiocarb	22781-23-3	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101938	Benfluralin	1861-40-1	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101939	Bensulide	741-58-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101418	alpha-BHC	319-84-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101420	beta-BHC	319-85-7	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101423	delta-BHC	319-86-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101432	gamma-BHC (Lindane)	58-89-9	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101940	Bifenazate	149877-41-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101941	Bifenthrin	82657-04-3	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101942	Biphenyl	92-52-4	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101943	Bitertanol	55179-31-2	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101944	Boscalld	188425-85-6	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101945	Bromacil	314-40-9	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101268	1-Bromo-2-nitrobenzene	577-19-5	5000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101269	1-Bromo-2-nitrobenzene	577-19-5	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101946	Bromopropylate	18181-80-1	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101947	Bupirimate	41483-43-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101948	Buprofezin	69327-76-0	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101949	Cadusafos	95465-99-9	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101950	Captan	133-06-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101951	Carbaryl	63-25-2	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101612	Carbofuran	1563-66-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101952	Carbofuran	1563-66-2	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101953	Carbophenothion	786-19-6	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101954	Carbosulfan	55285-14-8	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101955	Carboxin	5234-68-4	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101956	Carfentrazone-ethyl	128639-02-1	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101421	cis-Chlordane	5103-71-9	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101442	trans-Chlordane	5103-74-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101260	Chlordane (Technical)	57-74-9	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101566	Chlordane (Technical)	57-74-9	1000 µg/mL in Hexane, 1 mL/Ampoule
AL0-101792	Chlordane (Technical)	12789-03-6	100 µg/mL in Hexane, 1 mL/Ampoule
AL0-101957	Chlorfenapyr	122453-73-0	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101958	Chlorfenvinphos	470-90-6	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101272	4-Chloro-3-nitrobenzotrifluoride	121-17-5	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101959	Chlorobenzilate	510-15-6	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101960	Chloroneb	2675-77-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101898	4-Chlorophenoxyacetic acid	122-88-3	1000 µg/mL in MTBE, 1 mL/Ampoule
AL0-101961	Chlorothalonil	1897-45-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101962	Chlorpropham	101-21-3	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101914	Chlorpyrifos	2921-88-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101963	Chlorpyrifos-methyl	5598-13-0	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101964	Chlorthiophos	60238-56-4	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101909	Clopyralid	1702-17-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101965	Coumaphos	56-72-4	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101966	Crotoxyphos	7700-17-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101967	Cyanazine	21725-46-2	1000 µg/mL in Acetonitrile, 1 mL/Ampoule

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Part Number	Analyte	CAS Number	
AL0-101968	Cyanophos	2636-26-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101969	Cyazofamid	120116-88-3	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101970	Cycloate	1134-23-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101971	Cyflufenamid	180409-60-3	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101972	Cyfluthrin	68359-37-5	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102058	Lambda-Cyhalothrin	91465-08-6	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102168	Zeta-Cypermethrin	52315-07-8	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101973	Cyproconazole	94361-06-5	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101974	Cyprodinil	121552-61-2	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101409	2,4-D	94-75-7	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101795	2,4-D Methyl Ester	1928-38-7	1000 µg/mL in Hexane, 1 mL/Ampoule
AL0-101422	Dalapon	75-99-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101671	Dalapon Methyl Ester	17640-02-7	2000 µg/mL in Hexane, 1 mL/Ampoule
AL0-101797	Dalapon methyl ester	17640-02-7	1000 µg/mL in Hexane, 1 mL/Ampoule
AL0-101410	2,4-DB	94-82-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101796	2,4-DB Methyl Ester	18625-12-2	1000 µg/mL in Hexane, 1 mL/Ampoule
AL0-101672	DCAA Methyl Ester	55954-23-9	200 µg/mL in Hexane, 1 mL/Ampoule
AL0-101786	DCPA Diacid	2136-79-0	100 µg/mL in Methanol, 1 mL/Ampoule
AL0-101975	DCPA methyl ester (Dacthal)	1861-32-1	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101412	4,4'-DDD	72-54-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101413	4,4'-DDE	72-55-9	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101414	4,4'-DDT	50-29-3	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101781	4,4'-DDT Solution	50-29-3	100 µg/mL in Isooctane, 1 mL/Ampoule
AL0-101703	Decachlorobiphenyl	2051-24-3	200 µg/mL in Acetone, 5mL Ampoule
AL0-101976	Deltamethrin	52918-63-5	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101977	Demeton-s-methyl	919-86-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101978	Desmedipham	13684-56-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101979	Desmetryn	1014-69-3	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101980	Dialifos	10311-84-9	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101915	Diazinon	333-41-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101259	4,4'-Dibromobiphenyl	92-86-4	500 µg/mL in Ethyl Acetate, 1 mL/Ampoule
AL0-101270	4,4'-Dibromooctafluorobiphenyl (DBOB)	10386-84-2	250 µg/mL in Hexane, 1 mL/Ampoule
AL0-101899	Dicamba	1918-00-9	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101799	Dicamba methyl ester	6597-78-0	1000 µg/mL in Hexane, 1 mL/Ampoule
AL0-101981	Dichlobenil (2,6-Dichlorobenzonitrile)	1194-65-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101261	2,4-Dichlorophenylacetic acid (DCAA)	19719-28-9	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101900	Dichlorprop	120-36-5	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101800	Dichlorprop methyl ester	57153-17-0	1000 µg/mL in Hexane, 1 mL/Ampoule
AL0-101982	Dichlorvos	62-73-7	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101983	Dicloran	99-30-9	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101984	Dicofol	115-32-2	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101985	Dicrotophos	141-66-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101986	Dieldrin	60-57-1	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101987	Diethofencarb	87130-20-9	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101988	Difenoconazole	119446-68-3	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101989	Dimethachlor	50563-36-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101990	Dimethametryn	22936-75-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101991	Dimethoate	60-51-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101992	Dimethomorph	110488-70-5	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101424	Dinoseb	88-85-7	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101798	Dinoseb methyl ether	6099-79-2	1000 µg/mL in Hexane, 1 mL/Ampoule
AL0-101993	Dioxathion	78-34-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101994	Diphenamid	957-51-7	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101995	Diphenylamine	122-39-4	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101996	Disulfoton	298-04-4	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101997	Edifenphos	17109-49-8	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101425	Endosulfan I	959-98-8	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101426	Endosulfan II	33213-65-9	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101427	Endosulfan sulfate	1031-07-8	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101646	Endothal	145-73-3	1000 µg/mL in Acetone, 1 mL/Ampoule

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Part Number	Analyte	CAS Number	
ALO-101793	Endothal	145-73-3	50 µg/mL in Methanol, 1 mL/Ampoule
ALO-101428	Endrin	72-20-8	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-101429	Endrin aldehyde	7421-93-4	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-101430	Endrin ketone	53494-70-5	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-101782	Endrin Solution	7220-8	100 µg/mL in Methanol, 1 mL/Ampoule
ALO-101998	EPN	2104-64-5	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-101999	Epoxiconazole	133855-98-8	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102000	EPTC	759-94-4	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102001	Esfenvalerate	66230-04-4	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102002	Etaconazole	60207-93-4	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102003	Ethalfuralin	55283-68-6	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102004	Ethiofencarb	29973-13-5	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102005	Ethion	563-12-2	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102006	Ethofumesate	26225-79-6	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102007	Ethoprop	13194-48-4	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102008	Ethoxyquin	91-53-2	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102009	Etofenprox	80844-07-1	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102010	Etoxazole	153233-91-1	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102011	Etridiazole	2593-15-9	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102012	Etrifos	38260-54-7	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102013	Famoxadone	131807-57-3	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102014	Fenamidone	161326-34-7	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102015	Fenamiphos	22224-92-6	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102016	Fenarimol	60168-88-9	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102017	Fenazaquin	120928-09-8	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102018	Fenbuconazole	114369-43-6	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102137	Fenchlorfos (Ronnel)	299-84-3	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102019	Fenhexamid	126833-17-8	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102020	Fenitrothion	122-14-5	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102021	Fenobucarb	3766-81-2	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102022	Fenoxycarb	72490-01-8	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102023	Fenpropathrin (Danitol)	39515-41-8	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102024	Fenpropimorph	67564-91-4	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102025	Fenpyroximate	134098-61-6	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102026	Fensulfothion	115-90-2	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102027	Fenthion	55-38-9	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102028	Fipronil	120068-37-3	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102029	Flonicamid	158062-67-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102030	Flubendiamide	272451-65-7	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102031	Flucythrinate	70124-77-5	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102032	Fludioxonil	131341-86-1	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102033	Fluopicolide	239110-15-7	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102034	Fluopyram	658066-35-4	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102035	Fluoxastrobin	361377-29-9	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102036	Fluridone	59756-60-4	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102037	Flurochloridone	61213-25-0	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-101913	Fluroxypyr	69377-81-7	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102038	Flusilazole	85509-19-9	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102039	Flutianil	958647-10-4	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102040	Flutolanil	66332-96-5	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102041	Flutriafol	76674-21-0	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102042	tau-Fluvalinate	102851-06-9	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102043	Folpet	133-07-3	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102044	Fonofos	944-22-9	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102045	Forchlorfenuron	68157-60-8	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102046	Furalaxyl	57646-30-7	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-101644	Glyphosate	1071-83-6	1000 µg/mL in Water, 1 mL/Ampoule
ALO-101433	Heptachlor	76-44-8	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-101434	Heptachlor epoxide	1024-57-3	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102047	Heptenophos	23560-59-0	1000 µg/mL in Methanol, 1 mL/Ampoule

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Part Number	Analyte	CAS Number	
AL0-102048	Hexachlorobenzene	118-74-1	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102049	Hexaconazole	79983-71-4	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101916	Hexazinone	51235-04-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102050	Hexythiazox	78587-05-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101904	3-Hydroxycarbofuran	16655-82-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102051	Imazalil	35554-44-0	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102052	Indoxacarb	144171-61-9	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102053	Iprobenfos	26087-47-8	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102054	Iprodione	36734-19-7	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101679	Isodrin	465-73-6	100 µg/mL in Methanol, 1 mL/Ampoule
AL0-102055	Isofenphos	25311-71-1	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102056	Isoxaben	82558-50-7	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102057	Kresoxim-methyl	143390-89-0	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102059	Leptophos	21609-90-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102060	Linuron	330-55-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101920	Malathion	121-75-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102061	Mandipropamid	374726-62-2	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101435	MCPA	94-74-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101901	MCBP	94-81-5	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101436	MCPP	93-65-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102062	Metenoxam	70630-17-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102063	Mepanipyrim	110235-47-7	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102064	Mepronil	55814-41-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102065	Metaxyl	57837-19-1	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102066	Metazachlor	67129-08-2	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102067	Methacrifos	62610-77-9	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102068	Methamidophos	10265-92-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102069	Methidathion	950-37-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101918	Methiocarb	2032-65-7	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101905	Methomyl	16752-77-5	100 µg/mL in Methanol, 1 mL/Ampoule
AL0-101906	Methomyl	16752-77-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101438	Methoxychlor	72-43-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102070	Metobromuron	3060-89-7	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101908	Metolachlor	51218-45-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102071	Metribuzin	21087-64-9	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102072	Mevinphos	7786-34-7	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102073	Mexacarbate (Zectran)	315-18-4	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102074	MGK-264	113-48-4	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102075	Mirex	2385-85-5	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101917	Molinate	2212-67-1	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102076	Monocrotophos	6923-22-4	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102077	Monolinuron	1746-81-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102078	Myclobutanil	88671-89-0	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102079	Naled	300-76-5	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102080	Napropamide	15299-99-7	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102081	Nitrofen	1836-75-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102082	Norflurazon	27314-13-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102083	Nuarimol	63284-71-9	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102085	Oryzalin	19044-88-3	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102135	Oulnoxyfen	124495-18-7	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102086	Oxadiazon	19666-30-9	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102087	Oxadixyl	77732-09-3	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101907	Oxamyl	23135-22-0	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102088	Oxychlorane	27304-13-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102089	Oxyfluorfen	42874-03-3	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102090	Paclobutrazol	76738-62-0	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102091	Parathion	56-38-2	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102092	Parathion-methyl	298-00-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102093	Penconazole	66246-88-6	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102094	Pendimethalin	40487-42-1	1000 µg/mL in Methanol, 1 mL/Ampoule

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Pesticide/Herbicide Analytes Cont'd

Part Number	Analyte	CAS Number	
ALO-102095	Pentachloroaniline	527-20-8	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-101267	Pentachloronitrobenzene	82-68-8	5000 µg/mL in Acetone, 1 mL/Ampoule
ALO-101290	Pentachloronitrobenzene	82-68-8	100 µg/mL in Ethyl Acetate, 1 mL/Ampoule
ALO-102136	Pentachloronitrobenzene (Quintozone)	82-68-8	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102096	Pentachlorothioanisole (PCTA)	1825-19-0	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102097	Penthiopyrad	183675-82-3	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102098	Permethrin	52645-53-1	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102084	2-Phenylphenol	90-43-7	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102099	Phorate	298-02-2	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102100	Phosalone	2310-17-0	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102101	Phosmet	732-11-6	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102102	Phosphamidon	13171-21-6	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-101440	Picloram	1918-02-1	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102103	Picoxystrobin	117428-22-5	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102104	Piperonyl butoxide	51-03-6	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102105	Piperophos	24151-93-7	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102106	Pirimicarb	23103-98-2	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102107	Pirimiphos-ethyl	23505-41-1	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102108	Pirimiphos-methyl	29232-93-7	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102109	Prochloraz	67747-09-5	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102110	Procymidone	32809-16-8	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102111	Profenofos	41198-08-7	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102112	Profluralin	26399-36-0	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102113	Promecarb	2631-37-0	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102114	Prometon	1610-18-0	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102115	Prometryn	7287-19-6	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102116	Pronamide	23950-58-5	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102117	Propachlor	1918-16-7	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102118	Propanil	709-98-8	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102119	Propargite	2312-35-8	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102120	Propetamphos	31218-83-4	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102121	Propham	122-42-9	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-101911	Propiconazole	60207-90-1	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102122	Propoxur (Baygon)	114-26-1	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102123	Prothiofos	34643-46-4	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102124	Pymetrozine	123312-89-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102125	Pyraclostrobin	175013-18-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102126	Pyrazophos	13457-18-6	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102127	Pyrethrins (Tech Grade)	8003-34-7	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102128	Pyridaben	96489-71-3	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102129	Pyridaphenthion	119-12-0	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102130	Pyrifenoxy	88283-41-4	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102131	Pyrimethanil	53112-28-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102132	Pyriproxyfen	95737-68-1	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102134	Quinomethionate (Chinomethionate)	2439-01-2	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102133	Quinalphos	13593-03-8	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102138	Sebuthylazine	7286-69-3	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-101265	Simazine	122-34-9	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102139	Simetryn	1014-70-6	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102140	Spirodiclofen	148477-71-8	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
ALO-102141	Sulprofos (Bolstar)	35400-43-2	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-101407	2,4,5-T	93-76-5	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-101801	2,4,5-T Methyl Ester	1928-37-6	1000 µg/mL in Hexane, 1 mL/Ampoule
ALO-102142	Tebuconazole	107534-96-3	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102143	Tebufenpyrad	119168-77-3	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102145	Tefluthrin	79538-32-2	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-101910	Temephos	3383-96-8	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102146	Terbacil	5902-51-2	1000 µg/mL in Methanol, 1 mL/Ampoule
ALO-102147	Terbufos	13071-79-9	1000 µg/mL in Acetone, 1 mL/Ampoule
ALO-102148	Terbumeton	33693-04-8	1000 µg/mL in Methanol, 1 mL/Ampoule

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Pesticide/Herbicide Analytes Cont'd

Part Number	Analyte	CAS Number	
AL0-102149	Terbutryn	886-50-0	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101263	2,4,5,6-Tetrachloro-m-xylene	877-09-8	200 µg/mL in Acetone, 1 mL/Ampoule
AL0-101702	2,4,5,6-Tetrachloro-m-xylene	877-09-8	200 µg/mL in Acetone, 5mL Ampoule
AL0-102144	2,3,5,6-Tetrachloronitrobenzene (Tecnazene)	117-18-0	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102150	Tetrachlorvinphos	22248-79-9	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102151	Tetraconazole	112281-77-3	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102152	Tetradifon	116-29-0	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102153	Thiabendazole	148-79-8	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102154	Thiobencarb (Benthiocarb)	28249-77-6	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101912	Thiodicarb	59669-26-0	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102155	Thiometon	640-15-3	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102156	Toclofos-methyl	57018-04-9	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102157	Tolyfluanide	731-27-1	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-101258	Toxaphene	8001-35-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101665	Toxaphene Standard	8001-35-2	1000 µg/mL in Hexane, 1 mL/Ampoule
AL0-101408	2,4,5-TP (Silvex)	93-72-1	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101802	2,4,5-TP methyl ester	4841-20-7	1000 µg/mL in Hexane, 1 mL/Ampoule
AL0-102159	Triadimend	55219-65-3	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102158	Triadlme fon	43121-43-3	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102160	Triazophos	24017-47-8	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102161	Triburfos (S,S,S-Tributyl phosphorotrithioate)	78-48-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101897	2,4,6-Trichlorophenoxyacetic Acid	575-89-3	1000 µg/mL in MTBE, 1 mL/Ampoule
AL0-101902	Triclopyr	55335-06-3	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102163	Triflumizole	68694-11-1	1000 µg/mL in Acetone, 1 mL/Ampoule
AL0-102164	Trifluralin	1582-09-8	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102165	Triforine	26644-46-2	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-102162	Trifoxystrobin	141517-21-7	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102166	Uniconazole	83657-22-1	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-102167	Vinclozolin	50471-44-8	1000 µg/mL in Acetone, 1 mL/Ampoule

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Explosives Analytes

Part Number	Analyte	CAS Number	
AL0-101764	4-Amino-2,6-Dinitrotoluene Standard	19406-51-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101765	3,5-Dinitroaniline Standard	618-87-1	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101762	1,4-Dinitrobenzene Standard	100-25-4	2000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101763	1,2-Dinitrobenzene Standard	528-29-0	2000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101766	1,3-Dinitrobenzene Standard	99-65-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101767	2,4-Dinitrotoluene Standard	121-14-2	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101768	2,6-Dinitrotoluene Standard	606-20-2	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101769	HMX Standard	2691-41-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101771	Nitrobenzene Standard	98-95-3	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101759	Nitroglycerin Standard	55-63-0	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101720	Nitroglycerine Standard	55-63-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101772	4-Nitrotoluene	99-99-0	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101721	PETN Standard	78-11-5	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101760	PETN Standard	78-11-5	1000 µg/mL in Methanol, 1 mL/Ampoule
AL0-101770	RDX Standard	121-82-4	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101722	Tetryl Standard	479-45-8	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101773	1,3,5-Tinitrobenzene	99-35-4	1000 µg/mL in Acetonitrile, 1 mL/Ampoule
AL0-101774	2,4,6-Tinitrotoluene	118-96-7	1000 µg/mL in Acetonitrile, 1 mL/Ampoule

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