



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc.
has assessed the Organization of:

ALS - Middletown
301 Fulling Mill Road, Middletown, PA 17057

(Hereinafter called the Organization) and hereby declares that Organization has met the requirements of ISO/IEC 17025:2017 General Requirements for the competence of Testing and Calibration Laboratories and the United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP) requirements identified within the DoD/DOE Quality Systems Manual (DoD/DOE QSM) Version 5.4 October 2021 and is accredited in accordance with the:

United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP)

This accreditation demonstrates the technical competence for the defined scope and the operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Environmental Testing ***(As detailed in the supplement)***

Accreditation claims for such activities shall only be made from the addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation Body's duty to observe and comply with the said rules.

For PJLA

Initial Accreditation Date:

August 22, 2017

Issue Date:

January 16, 2024

Expiration Date

February 28, 2026

Tracy Szorszen
President

Accreditation No:

74618

Certificate No:

L24-71

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjllabs.com



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

General Chemistry

EPA 1010B by Pensky-Martens Closed Cup Tester	10234830
Aqueous	
Ignitability (Flashpoint)	1780
Solid	
Ignitability (Flashpoint)	1780
EPA 1030 by Manual Ignition	10117212
Solid	
Ignitability (Flashpoint)	1780
EPA 1664B by Gravimetry	10261617
Aqueous	
n-Hexane Extractable Material (HEM) (O&G)	1803
Total Petroleum Hydrocarbons (TPH)	1853
Solid	
Total Petroleum Hydrocarbons (TPH)	1853
EPA 7.3.3.2 by Colorimetry	10001204
Aqueous	
Cyanide (Reactive)	1923
Solid	
Cyanide (Reactive)	1923
EPA 9012B by Colorimetry	10243206
Aqueous	
Cyanide (Total)	1645
Solid	
Cyanide (Total)	1645
EPA 9020B by Combustion	10194408
Aqueous	
Total Organic Halides (TOX)	2045
EPA 9023 by Combustion	10195003
Solid	
Total Organic Halides (TOX)	2045
EPA 9034 by Titrimetry	10196006
Solid	
Sulfide	2005
EPA 9040C by Electrode	10244403
Aqueous	
pH	1900
EPA 9045D by Electrode	10244607
Solid	
pH (Corrosivity)	1625



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

	Code
General Chemistry	
EPA 9045D by Electrode	10244607
Solid	
EPA 9050A by Ion Selective Electrode (ISE)	10198808
Aqueous	
Specific Conductance (Conductivity)	1610
EPA 9060A by TOC Analyzer	10244823
Aqueous	
Total Organic Carbon (TOC)	2040
Solid	
Total Organic Carbon (TOC)	2040
EPA 9066 by Colorimetry	10200609
Aqueous	
Phenolics (Total Recoverable)	1905
Solid	
Phenolics (Total Recoverable)	1905
EPA 9071B by Gravimetry	10201602
Solid	
n-Hexane Extractable Material (HEM) (O&G)	1803
Total Petroleum Hydrocarbons (TPH)	1803
EPA 9095B by Gravimetry	10245600
Solid	
Paint Filter Liquids Test	1434
NJEPH (C8-C44) by Gravimetry	90014258
Aqueous	
Extractable Petroleum Hydrocarbons (EPH)	3797
Solid	
Extractable Petroleum Hydrocarbons (EPH)	3797
SM 2130B-11 (23rd Edition) by Turbidimetry	20048220
Aqueous	
Turbidity	2055
SM 2320B-11 (23rd Edition) by Titrimetry	20045618
Aqueous	
Alkalinity (as CaCO ₃)	1505
SM 2340B-11 (23rd Edition) by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)	20046611
Aqueous	
Hardness (as CaCO ₃) (Calc)	1550
Hardness (Total, as CaCO ₃ , By Calc)	1755



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

	Code
General Chemistry	
SM 2340B-11 (23rd Edition) by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)	20046611
Solid	
Hardness (as CaCO ₃) (Calc)	1550
Hardness (Total, as CaCO ₃ , By Calc)	1755
SM 2540C-15 (23rd Edition) by Gravimetry	20050413
Aqueous	
Solids (Total Dissolved, TDS)	1955
SM 2540D-15 (23rd Edition) by Gravimetry	20051212
Aqueous	
Solids (Total Suspended (TSS), Non-Filterable Residue)	1960
SM 2540G-11&15 (23rd Edition) by Gravimetry	20005270
Solid (as Aqueous)	
Solids (Total)	1970
SM 3500 Fe B-11 (23rd Edition) by Colorimetry	20068819
Aqueous	
Ferrous Iron (Fe II)	1073
SM 4500-S2 F-11 (23rd Edition) by Titrimetry	20126663
Aqueous	
Sulfide	2005
SM 5210B-16 (23rd Edition) by 5-Day BOD Test	20135266
Aqueous	
Biochemical Oxygen Demand (BOD)	1530
SM 5210B-16 (23rd Edition) by Electrochemical Electrode	20135266
Aqueous	
Carbonaceous Biochemical Oxygen Demand (CBOD)	1555
SM 5310B-14 (23rd Edition) by TOC Analyzer (Combustion/IR)	20137820
Aqueous	
Total Organic Carbon (TOC)	2040
SW846 7.3.4.2 by Colorimetry	10245702
Aqueous	
Sulfide (Reactive)	1925
Solid	
Sulfide (Reactive)	1925
Inorganic	
ASTM D6919-17 by Ion Chromatography (IC)	30032952
Aqueous	
Ammonia (as N)	1515



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

ASTM D6919-17 by Ion Chromatography (IC) 30032952

Solid
Ammonia (as N) 1515

EPA 1631E by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS) 10237204

Aqueous
Mercury (Low Level) 1095

EPA 200.7 by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES) 10013806

Aqueous

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Potassium	1125
Selenium	1140
Silica (as SiO ₂)	1990
Silver	1150
Sodium	1155
Strontium	1160
Thallium	1165
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190

EPA 200.8 by Inductively Coupled Plasma Mass Spectrometry (ICP/MS) 10014605

Aqueous
Aluminum 1000



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 200.8 by Inductively Coupled Plasma Mass Spectrometry (ICP/MS)	10014605
Aqueous	
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Chromium	1040
Cobalt	1050
Copper	1055
Lead	1075
Manganese	1090
Molybdenum	1100
Nickel	1105
Selenium	1140
Silver	1150
Thallium	1165
Vanadium	1185
Zinc	1190
EPA 218.6 by Ion Chromatography (IC)	10028009
Aqueous	
Chromium (Hexavalent)	1045
EPA 245.1 by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS)	10036609
Aqueous	
Mercury	1095
EPA 300.0 by Ion Chromatography (IC)	10053200
Aqueous	
Bromide	1540
Chloride	1575
Fluoride	1730
Nitrate (as N)	1810
Nitrite (as N)	1840
Sulfate	2000
Solid	
Bromide	1540
Chloride	1575
Fluoride	1730
Nitrate (as N)	1810



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 300.0 by Ion Chromatography (IC)	10053200
Solid	
Nitrite (as N)	1840
Sulfate	2000
EPA 314.0 by Ion Chromatography (IC)	10277006
Aqueous	
Perchlorate	1895
EPA 365.1 by Spectrophotometry	10070005
Aqueous	
Phosphorous (Total)	1910
Solid	
Phosphorous (Total)	1910
EPA 410.4 by Colorimetry	10077404
Aqueous	
Chemical Oxygen Demand (COD)	1565
EPA 5540C by Spectrophotometry	20145066
Aqueous	
Surfactants (MBAS)	2025
EPA 6010C by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)	10155905
Aqueous	
Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Bismuth	1023
Boron	1025
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Lithium	1080
Magnesium	1085
Manganese	1090
Molybdenum	1100



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 6010C by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)

10155905

Aqueous

Nickel	1105
Potassium	1125
Selenium	1140
Silica (as SiO ₂)	1990
Silver	1150
Sodium	1155
Strontium	1160
Sulfur	2017
Thallium	1165
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190

Solid

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Bismuth	1023
Boron	1025
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Lithium	1080
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Potassium	1125
Selenium	1140
Silica (as SiO ₂)	1990



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 6010C by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES) 10155905

Solid

Silver	1150
Sodium	1155
Strontium	1160
Sulfur	2017
Thallium	1165
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190

EPA 6010D by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES) 10155916

Aqueous

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Bismuth	1023
Boron	1025
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Lithium	1080
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Potassium	1125
Selenium	1140
Silica (as SiO ₂)	1990
Silver	1150
Sodium	1155
Strontium	1160



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 6010D by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)

10155916

Aqueous

Sulfur	2017
Thallium	1165
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190

Solid

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Bismuth	1023
Boron	1025
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Lithium	1080
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Potassium	1125
Selenium	1140
Silica (as SiO ₂)	1990
Silver	1150
Sodium	1155
Strontium	1160
Sulfur	2017
Thallium	1165
Tin	1175
Titanium	1180



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 6010D by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)	10155916
Solid	
Vanadium	1185
Zinc	1190
EPA 6020A by Inductively Coupled Plasma Mass Spectrometry (ICP/MS)	10156419
Aqueous	
Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Magnesium	1085
Manganese	1090
Mercury	1095
Molybdenum	1100
Nickel	1105
Potassium	1125
Selenium	1140
Silver	1150
Sodium	1155
Strontium	1160
Thallium	1165
Tin	1175
Titanium	1180
Uranium	3055
Vanadium	1185
Zinc	1190
Solid	
Aluminum	1000
Antimony	1005
Arsenic	1010



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 6020A by Inductively Coupled Plasma Mass Spectrometry (ICP/MS) 10156419

Solid

Barium	1015
Beryllium	1020
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Magnesium	1085
Manganese	1090
Mercury	1095
Molybdenum	1100
Nickel	1105
Potassium	1125
Selenium	1140
Silver	1150
Sodium	1155
Strontium	1160
Thallium	1165
Tin	1175
Titanium	1180
Uranium	3055
Vanadium	1185
Zinc	1190

EPA 6020B by Inductively Coupled Plasma Mass Spectrometry (ICP/MS) 10156420

Aqueous

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 6020B by Inductively Coupled Plasma Mass Spectrometry (ICP/MS)

10156420

Aqueous

Copper	1055
Iron	1070
Lead	1075
Magnesium	1085
Manganese	1090
Mercury	1095
Molybdenum	1100
Nickel	1105
Potassium	1125
Selenium	1140
Silver	1150
Sodium	1155
Strontium	1160
Thallium	1165
Tin	1175
Titanium	1180
Uranium	3055
Vanadium	1185
Zinc	1190

Solid

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Magnesium	1085
Manganese	1090
Mercury	1095
Molybdenum	1100



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Inorganic

EPA 6020B by Inductively Coupled Plasma Mass Spectrometry (ICP/MS)	10156420
Solid	
Nickel	1105
Potassium	1125
Selenium	1140
Silver	1150
Sodium	1155
Strontium	1160
Thallium	1165
Tin	1175
Titanium	1180
Uranium	3055
Vanadium	1185
Zinc	1190
EPA 7196A by Spectrophotometry	10162400
Aqueous	
Hexavalent Chromium (Cr VI)	1045
Solid	
Hexavalent Chromium (Cr VI)	1045
EPA 7470A by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS)	10165807
Aqueous	
Mercury	1095
EPA 7471B by Cold Vapor Atomic Absorption Spectrophotometry (CVAAS)	10166402
Solid	
Mercury	1095
EPA 9056A by Ion Chromatography (IC)	10199607
Aqueous	
Bromide	1540
Chloride	1575
Fluoride	1730
Nitrate (as N)	1810
Nitrite (as N)	1840
Sulfate	2000
Solid	
Bromide	1540
Chloride	1575
Fluoride	1730
Nitrate (as N)	1810



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

	Code
Inorganic	
EPA 9056A by Ion Chromatography (IC)	10199607
Solid	
Nitrite (as N)	1840
Sulfate	2000
Kelada-01 by Spectrophotometry	60005303
Aqueous	
Cyanide (Amenable)	1510
Cyanide (Total)	1645
SM 4500 NH3G-11 (23rd Edition) by Spectrophotometry	20111415
Aqueous	
Total Kjeldahl Nitrogen (TKN)	1795
Solid	
Total Kjeldahl Nitrogen (TKN)	1795
SM 4500 PE-11 (23rd Edition) by Spectrophotometry	20124225
Aqueous	
Orthophosphate (as P)	1870
Organic	
EPA 522 by Gas Chromatography Mass Spectrometry (GC/MS)	10088570
Aqueous	
1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735
EPA 608.3 by Gas Chromatography Electron Capture Detector (GC/ECD)	10296625
Aqueous	
4,4'-DDD	7355
4,4'-DDE	7360
4,4'-DDT	7365
Aldrin	7025
alpha-BHC (a-BHC, alpha-Hexachlorocyclohexane)	7110
alpha-Chlordane (cis-Chlordane)	7240
Aroclor 1016	8880
Aroclor 1221	8885
Aroclor 1232	8890
Aroclor 1242	8895
Aroclor 1248	8900
Aroclor 1254	8905
Aroclor 1260	8910
Aroclor 1262	8912
Aroclor 1268	8913
beta-BHC (b-BHC, beta-Hexachlorocyclohexane)	7115



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 608.3 by Gas Chromatography Electron Capture Detector (GC/ECD) 10296625

Aqueous

Chlordane (Technical) 7250

delta-BHC (d-BHC) 7105

Dieldrin 7470

Endosulfan I 7510

Endosulfan II 7515

Endosulfan Sulfate 7520

Endrin 7540

Endrin Aldehyde 7530

Endrin Ketone 7535

gamma-BHC (γ -BHC, Lindane) 7120

gamma-chlordane 7245

Heptachlor 7685

Heptachlor Epoxide 7690

Methoxychlor 7810

Mirex 7870

Toxaphene 8250

EPA 624.1 by Gas Chromatography Mass Spectrometry (GC/MS) 10298121

Aqueous

1,1,1,2-Tetrachloroethane 5105

1,1,1-Trichloroethane 5160

1,1,2,2-Tetrachloroethane 5110

1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113) 5185

1,1,2-Trichloroethane 5165

1,1-Dichloro-2-Propanone 7450

1,1-Dichloroethane 4630

1,1-Dichloroethylene 4640

1,1-Dichloropropene 4670

1,2,3-Trichlorobenzene 5150

1,2,3-Trichloropropane (TCP) 5180

1,2,4-Trichlorobenzene 5155

1,2,4-Trimethylbenzene 5210

1,2-Dibromo-3-Chloropropane (DBCP) 4570

1,2-Dibromoethane (EDB, Ethylene Dibromide) 4585

1,2-Dichlorobenzene 4610

1,2-Dichloroethane (Ethylene Dichloride, EDC) 4635

1,2-Dichloropropane 4655



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic	
EPA 624.1 by Gas Chromatography Mass Spectrometry (GC/MS)	10298121
Aqueous	
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,4-Dichlorobenzene	4620
1-Chlorobutane	4480
1-Chlorohexane	4510
2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chloroethyl Vinyl Ether	4500
2-Chlorotoluene	4535
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
2-Nitropropane	5020
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Isopropyltoluene (p-Cymene)	4910
4-Methyl-2-Pentanone (MIBK)	4995
Acetone	4315
Acetonitrile	4320
Acrolein (Propenal)	4325
Acrylonitrile	4340
Allyl Chloride (3-Chloropropene)	4355
Benzene	4375
Benzyl chloride	5635
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4395
Bromoform	4400
Bromomethane (Methyl Bromide)	4950
Carbon Disulfide	4450
Carbon Tetrachloride	4455
Chloroacetonitrile	4470
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethane)	4575
Chloroethane (Ethyl Chloride)	4485
Chloroform	4505
Chloromethane (Methyl Chloride)	4960
Chloroprene (2-Chloro-1,3-Butadiene)	4525



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 624.1 by Gas Chromatography Mass Spectrometry (GC/MS)

10298121

Aqueous

cis-1,2-Dichloroethylene

4645

cis-1,3-Dichloropropene

4680

Cyclohexane

4555

Dibromomethane (Methylene Bromide)

4595

Dichlorodifluoromethane (Freon 12)

4625

Dichlorofluoromethane (Freon 21)

4627

Diethyl Ether

4725

di-Isobutylene

4877

Di-Isopropylether (DIPE)

9375

Ethyl acetate

4755

Ethyl Methacrylate

4810

Ethylbenzene

4765

Ethyl-tert-butylether (ETBE) (2-Ethoxy-2-methylpropane)

4770

Heptane

4825

Hexachlorobutadiene

4835

Hexachloroethane

4840

Iodomethane (Methyl Iodide)

4870

Isopropyl Alcohol (IPA, 2-Propanol, Isopropanol)

4895

Isopropylbenzene (Cumene)

4900

m,p-Xylene

5240

Methacrylonitrile

4925

Methyl Acetate

4940

Methyl Acrylate

4945

Methyl Methacrylate

4990

Methyl tert Butyl Ether (MTBE)

5000

Methylcyclohexane

4965

Methylene Chloride (Dichloromethane)

4975

Naphthalene

5005

n-Butylbenzene

4435

n-Hexane

4855

Nitrobenzene

5015

n-Octane (Octane)

5027

n-Pentane (Pentane)

5028

n-Propanol (1-Propanol)

5055

n-Propylbenzene (Propylbenzene, 1-phenylpropane)

5090

n-Propylbromide

3877



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic	
EPA 624.1 by Gas Chromatography Mass Spectrometry (GC/MS)	10298121
Aqueous	
o-Xylene (1,2-Xylene)	5250
Pentachloroethane	5035
Propionitrile (Ethyl Cyanide)	5080
sec-Butylbenzene	4440
Styrene	5100
tert-Amyl Methyl Ether (TAME)	4370
tert-Butyl Alcohol (TBA, 2-Methyl-2-Propanol, t-Butanol)	4420
tert-Butylbenzene	4445
Tetrachloroethene	5115
Tetrahydrofuran (THF)	5120
Toluene	5140
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
trans-1,4-Dichloro-2-Butene	4605
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl acetate	5225
Vinyl Chloride (Chloroethene)	5235
Xylenes (Total)	5260
EPA 625.1 by Gas Chromatography Mass Spectrometry (GC/MS)	10300024
Aqueous	
1,1'-Biphenyl (Biphenyl)	6703
1,2,4,5-Tetrachlorobenzene	6715
1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,2-Dinitrobenzene (1,2-DNB)	6155
1,2-Diphenylhydrazine	6220
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dinitrobenzene (1,3-DNB)	6160
1,4-Dichlorobenzene	4620
1,4-Dinitrobenzene (1,4-DNB)	6165
1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735
1-Methylnaphthalene	6380
2,2'-Oxybis(1-Chloropropane)	4659
2,2'-Oxybis(1-Chloropropane) (was bis(2-Chloroisopropyl)ether)	4659
2,3,4,6-Tetrachlorophenol	6735



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 625.1 by Gas Chromatography Mass Spectrometry (GC/MS) 10300024

Aqueous

2,3,5,6-Tetrachlorophenol 6740

2,3-Dichloroaniline 9363

2,4,5-Trichlorophenol 6835

2,4,6-Trichlorophenol 6840

2,4-Dichlorophenol 6000

2,4-Dimethylphenol 6130

2,4-Dinitrophenol 6175

2,4-Dinitrotoluene (2,4-DNT) 6185

2,6-Dichlorophenol 6005

2,6-Dinitrotoluene (2,6-DNT) 6190

2-Chloronaphthalene 5795

2-Chlorophenol 5800

2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol) 6360

2-Methylnaphthalene 6385

2-Methylphenol (o-Cresol) 6400

2-Naphthylamine 6430

2-Nitroaniline 6460

2-Nitrophenol 6490

3,3'-Dichlorobenzidine 5945

3+4-Methylphenol (m+p Cresol) 6412

3-Nitroaniline 6465

4-Bromophenyl Phenyl Ether (BDE-3) 5660

4-Chloro-3-Methylphenol 5700

4-Chloroaniline 5745

4-Chlorophenyl-phenylether 5825

4-Nitroaniline 6470

4-Nitrophenol 6500

Acenaphthene 5500

Acenaphthylene 5505

Acetophenone 5510

alpha-Terpineol 6700

Aniline 5545

Anthracene 5555

Atrazine 7065

Azobenzene (1,2-Diphenylhydrazine) 5562

Benzaldehyde 5570



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 625.1 by Gas Chromatography Mass Spectrometry (GC/MS) 10300024

Aqueous

Benzidine 5595

Benzo(a)anthracene 5575

Benzo(a)pyrene 5580

Benzo(b)fluoranthene 5585

Benzo(g,h,i)perylene 5590

Benzo(k)fluoranthene 5600

Benzyl Alcohol 5630

Bis(2-chloroethoxy)methane 5760

bis(2-Chloroethyl)ether 5765

bis(2-ethylhexy)phthalate (DEHP) 6065

bis(2-Ethylhexyl)adipate 6062

Butyl Benzyl Phthalate 5670

Caprolactam 7180

Carbazole 5680

Chrysene 5855

Dibenz(a,h)anthracene 5895

Dibenzofuran 5905

Diethyl Phthalate 6070

Dimethoate 7475

Dimethyl Phthalate 6135

di-n-Butyl Phthalate 5925

di-n-octyl Phthalate 6200

Diphenylamine 6205

Fluoranthene 6265

Fluorene 6270

Hexachlorobenzene 6275

Hexachlorobutadiene 4835

Hexachlorocyclopentadiene 6285

Hexachloroethane 4840

Indeno(1,2,3,cd)pyrene 6315

Isophorone 6320

Naphthalene 5005

n-Decane 4435

n-Heptadecane 9515

Nitrobenzene 5015

n-Nitrosodiethylamine 6525



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 625.1 by Gas Chromatography Mass Spectrometry (GC/MS) 10300024

Aqueous

n-Nitrosodimethylamine	6530
n-Nitroso-di-n-Butylamine	5025
n-Nitrosodi-n-Propylamine	6545
n-Nitrosodiphenylamine	6535
n-Nitrosopyrrolidine	6565
n-Octadecane	6580
Pentachlorobenzene	6590
Pentachlorophenol (PCP)	6605
Phenanthrene	6615
Phenol	6625
Pyrene	6665
Pyridine	5095

EPA 7580 by Gas Chromatography Flame Photometric Detector (GC/FPD) 10168204

Aqueous

White Phosphorus (Elemental Phosphorus) 1715

Solid

White Phosphorus (Elemental Phosphorus) 1715

EPA 8011 by Gas Chromatography Electron Capture Detector (GC/ECD) 10173009

Aqueous

1,2,3-Trichloropropane (TCP)	5180
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585

EPA 8015C by Gas Chromatography Flame Ionization Detection (GC/FID) 10173816

Aqueous

2-Butanone (Methyl Ethyl Ketone, MEK)	4410
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone)	4995
Ethanol	4750
Ethyl Acetate	4755
Ethylene Glycol	4785
Isoamyl Alcohol	4546
Isopropyl Alcohol (IPA, 2-Propanol, Isopropanol)	4895
Methanol	4930
n-Butyl Alcohol (1-Butanol, n-Butanol)	4425
n-Propanol (1-Propanol)	5055
Propylene Glycol	6657
tert-Butyl Alcohol (TBA, 2-Methyl-2-Propanol, t-Butanol)	4420



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8015D by Gas Chromatography Flame Ionization Detection (GC/FID) 10305609

Aqueous

2-Butanone (Methyl Ethyl Ketone, MEK) 4410

4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone) 4995

Ethanol 4750

Ethyl Acetate 4755

Ethylene Glycol 4785

Isoamyl Alcohol 4546

Isopropyl Alcohol (IPA, 2-Propanol, Isopropanol) 4895

Methanol 4930

n-Butyl Alcohol (1-Butanol, n-Butanol) 4425

n-Propanol (1-Propanol) 5055

Oil Range Organics (ORO) 9526

Propylene Glycol 6657

tert-Butyl Alcohol (TBA, 2-Methyl-2-Propanol, t-Butanol) 4420

TPH Diesel (DRO) 9369

TPH Gasoline (GRO) 9408

Solid

Oil Range Organics (ORO) 9526

TPH Diesel (DRO) 9369

TPH Gasoline (GRO) 9408

EPA 8081B by Gas Chromatography Electron Capture Detector (GC/ECD) 10178800

Aqueous

4,4'-DDD 7355

4,4'-DDE 7360

4,4'-DDT 7365

Aldrin 7025

alpha-BHC (a-BHC, alpha-Hexachlorocyclohexane) 7110

alpha-Chlordane (cis-Chlordane) 7240

beta-BHC (b-BHC, beta-Hexachlorocyclohexane) 7115

Chlordane (Technical) 7250

delta-BHC (d-BHC) 7105

Dieldrin 7470

Endosulfan I 7510

Endosulfan II 7515

Endosulfan Sulfate 7520

Endrin 7540

Endrin Aldehyde 7530



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8081B by Gas Chromatography Electron Capture Detector (GC/ECD) 10178800

Aqueous

Endrin Ketone 7535

gamma-BHC (γ -BHC, Lindane) 7120

gamma-Chlordane 7245

Heptachlor 7685

Heptachlor Epoxide 7690

Methoxychlor 7810

Mirex 7870

Toxaphene (Chlorinated Camphene) 8250

Solid

4,4'-DDD 7355

4,4'-DDE 7360

4,4'-DDT 7365

Aldrin 7025

alpha-BHC (a-BHC, alpha-Hexachlorocyclohexane) 7110

alpha-Chlordane (cis-Chlordane) 7240

beta-BHC (b-BHC, beta-Hexachlorocyclohexane) 7115

Chlordane (Technical) 7250

delta-BHC (d-BHC) 7105

Dieldrin 7470

Endosulfan I 7510

Endosulfan II 7515

Endosulfan Sulfate 7520

Endrin 7540

Endrin Aldehyde 7530

Endrin Ketone 7535

gamma-BHC (γ -BHC, Lindane) 7120

gamma-Chlordane 7245

Heptachlor 7685

Heptachlor Epoxide 7690

Methoxychlor 7810

Mirex 7870

Toxaphene (Chlorinated Camphene) 8250

EPA 8082A by Gas Chromatography Electron Capture Detector (GC/ECD) 10179201

Aqueous

Aroclor 1016 8880

Aroclor 1221 8885



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057
Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8082A by Gas Chromatography Electron Capture Detector (GC/ECD) 10179201

Aqueous

Aroclor 1232	8890
Aroclor 1242	8895
Aroclor 1248	8900
Aroclor 1254	8905
Aroclor 1260	8910
Aroclor 1262	8912
Aroclor 1268	8913

Solid

Aroclor 1016	8880
Aroclor 1221	8885
Aroclor 1232	8890
Aroclor 1242	8895
Aroclor 1248	8900
Aroclor 1254	8905
Aroclor 1260	8910
Aroclor 1262	8912
Aroclor 1268	8913

EPA 8151A by Gas Chromatography Electron Capture Detector (GC/ECD) 10183207

Aqueous

2,4,5-T	8655
2,4-DB	8560
2,4-Dichlorophenoxyacetic Acid (2,4-D)	8545
4-Nitrophenol	6500
Dalapon	8555
Dicamba	8595
Dichloroprop (2,4-DP)	8605
Dinoseb (2-sec-Butyl-4,6-Dinitrophenol, DNBP)	8620
MCPA	7775
MCPP	7780
Pentachlorophenol (PCP)	6605
Silvex (2,4,5-TP)	8650

Solid

2,4,5-T	8655
2,4-DB	8560
2,4-Dichlorophenoxyacetic Acid (2,4-D)	8545
4-Nitrophenol	6500



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8151A by Gas Chromatography Electron Capture Detector (GC/ECD) 10183207

Solid

Dalapon	8555
Dicamba	8595
Dichloroprop (2,4-DP)	8605
Dinoseb (2-sec-Butyl-4,6-Dinitrophenol, DNBP)	8620
MCPA	7775
MCPP	7780
Pentachlorophenol (PCP)	6605
Silvex (2,4,5-TP)	8650

EPA 8260C by Gas Chromatography Mass Spectrometry (GC/MS) 10307003

Aqueous

1,1,1,2-Tetrachloroethane	5105
1,1,1-Trichloroethane	5160
1,1,2,2-Tetrachloroethane	5110
1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113)	5185
1,1,2-Trichloroethane	5165
1,1-Dichloro-2-Propanone	7450
1,1-Dichloroethane	4630
1,1-Dichloroethylene	4640
1,1-Dichloropropene	4670
1,2,3-Trichlorobenzene	5150
1,2,3-Trichloropropane (TCP)	5180
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585
1,2-Dichlorobenzene	4610
1,2-Dichloroethane (Ethylene Dichloride, EDC)	4635
1,2-Dichloroethene (Total, cis & trans)	4705
1,2-Dichloropropane	4655
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,3-Dichloropropene	4675
1,4-Dichlorobenzene	4620
1-Chlorobutane	4480
1-Chlorohexane	4510



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260C by Gas Chromatography Mass Spectrometry (GC/MS)

10307003

Aqueous

2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chloroethyl Vinyl Ether	4500
2-Chlorotoluene	4535
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
2-Nitropropane	5020
4-Isopropyltoluene (p-Cymene)	4910
4-Methyl-2-Pentanone (MIBK)	4995
Acetone	4315
Acetonitrile	4320
Acrolein (Propenal)	4325
Acrylonitrile	4340
Allyl Chloride (3-Chloropropene)	4355
Benzene	4375
Benzyl Chloride	5635
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4395
Bromoform	4400
Bromomethane (Methyl Bromide)	4950
Carbon Disulfide	4450
Carbon Tetrachloride	4455
Chloroacetonitrile	4470
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethane)	4575
Chloroethane (Ethyl Chloride)	4485
Chloroform	4505
Chloromethane (Methyl Chloride)	4960
Chloroprene (2-Chloro-1,3-Butadiene)	4525
cis-1,2-Dichloroethylene	4645
cis-1,3-Dichloropropene	4680
Cyclohexane	4555
Dibromomethane (Methylene Bromide)	4595
Dichlorodifluoromethane (Freon 12)	4625
Dichlorofluoromethane (Freon 21)	4627
Diethyl Ether	4725



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic	
EPA 8260C by Gas Chromatography Mass Spectrometry (GC/MS)	10307003
Aqueous	
Diisobutylene (2,4,4-Trimethyl-1-Pentene)	4689
Diisopropyl Ether (Propane)	NR
Ethyl Acetate	4755
Ethyl Methacrylate	4810
Ethyl tert-Butyl Ether (ETBE, 2-Ethoxy-2-Methylpropane)	4770
Ethylbenzene	4765
Heptane	4825
Hexachlorobutadiene	4835
Hexachloroethane	4840
Iodomethane (Methyl Iodide)	4870
Isopropyl Alcohol (IPA, 2-Propanol, Isopropanol)	4895
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240
Methacrylonitrile	4925
Methyl Acetate	4940
Methyl Acrylate	4945
Methyl Methacrylate	4990
Methyl tert Butyl Ether (MTBE)	5000
Methylcyclohexane	4965
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435
n-Hexane	4855
Nitrobenzene	5015
n-Octane (Octane)	5027
n-Pentane (Pentane)	5028
n-Propanol (1-Propanol)	5055
n-Propylbenzene (Propylbenzene, 1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5250
Pentachloroethane	5035
Propionitrile (Ethyl Cyanide)	5080
sec-Butylbenzene	4440
Stryene	5100
tert-Amyl Alcohol (TAA, 2-Methyl-2-But)	4368
tert-Amyl Ethyl Ether (TAEE)	4369
tert-Amyl Methyl Ether (TAME)	4370



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260C by Gas Chromatography Mass Spectrometry (GC/MS)

10307003

Aqueous

tert-Butyl Alcohol (TBA, 2-Methyl-2-Propanol, t-Butanol) 4420

tert-Butylbenzene 4445

Tetrachloroethene 5115

Tetrahydrofuran (THF) 5120

Toluene 5140

trans-1,2-Dichloroethylene 4700

trans-1,3-Dichloropropylene 4685

trans-1,4-Dichloro-2-Butene 4605

Trichloroethene (TCE, Trichloroethylene) 5170

Trichlorofluoromethane (Fluorotrichloromethane, Freon 11) 5175

Vinyl Acetate 5225

Vinyl Chloride (Chloroethene) 5235

Xylenes (Total) 5260

Solid

1,1,1,2-Tetrachloroethane 5105

1,1,1-Trichloroethane 5160

1,1,2,2-Tetrachloroethane 5110

1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113) 5185

1,1,2-Trichloroethane 5165

1,1-Dichloro-2-Propanone 7450

1,1-Dichloroethane 4630

1,1-Dichloroethylene 4640

1,1-Dichloropropene 4670

1,2,3-Trichlorobenzene 5150

1,2,3-Trichloropropane (TCP) 5180

1,2,4-Trichlorobenzene 5155

1,2,4-Trimethylbenzene 5210

1,2-Dibromo-3-Chloropropane (DBCP) 4570

1,2-Dibromoethane (EDB, Ethylene Dibromide) 4585

1,2-Dichlorobenzene 4610

1,2-Dichloroethane (Ethylene Dichloride, EDC) 4635

1,2-Dichloroethene (Total, cis & trans) 4705

1,2-Dichloropropane 4655

1,3,5-Trimethylbenzene 5215

1,3-Dichlorobenzene (1,3-DCB) 4615

1,3-Dichloropropane 4660



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260C by Gas Chromatography Mass Spectrometry (GC/MS)

10307003

Solid

1,3-Dichloropropene	4675
1,4-Dichlorobenzene	4620
1-Chlorobutane	4480
1-Chlorohexane	4510
2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chlorotoluene	4535
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
2-Nitropropane	5020
4-Isopropyltoluene (p-Cymene)	4910
4-Methyl-2-Pentanone (MIBK)	4995
Acetone	4315
Acetonitrile	4320
Acrolein (Propenal)	4325
Acrylonitrile	4340
Allyl Chloride (3-Chloropropene)	4355
Benzyl Chloride	5635
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4395
Bromoform	4400
Bromomethane (Methyl Bromide)	4950
Carbon Disulfide	4450
Carbon Tetrachloride	4455
Chloroacetonitrile	4470
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethane)	4575
Chloroethane (Ethyl Chloride)	4485
Chloroform	4505
Chloromethane (Methyl Chloride)	4960
Chloroprene (2-Chloro-1,3-Butadiene)	4525
cis-1,2-Dichloroethylene	4645
cis-1,3-Dichloropropene	4680
Cyclohexane	4555
Dibromomethane (Methylene Bromide)	4595
Dichlorodifluoromethane (Freon 12)	4625



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260C by Gas Chromatography Mass Spectrometry (GC/MS)

10307003

Solid

Dichlorofluoromethane (Freon 21)	4627
Diethyl Ether	4725
Diisobutylene (2,4,4-Trimethyl-1-Pentene)	4689
Diisopropyl Ether (Propane)	NR
Ethyl Acetate	4755
Ethyl Methacrylate	4810
Ethyl tert-Butyl Ether (ETBE, 2-Ethoxy-2-Methylpropane)	4770
Ethylbenzene	4765
Heptane	4825
Hexachlorobutadiene	4835
Hexachloroethane	4840
Iodomethane (Methyl Iodide)	4870
Isopropyl Alcohol (IPA, 2-Propanol, Isopropanol)	4895
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240
Methacrylonitrile	4925
Methyl Acetate	4940
Methyl Acrylate	4945
Methyl Methacrylate	4990
Methyl tert Butyl Ether (MTBE)	5000
Methylcyclohexane	4965
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435
n-Hexane	4855
Nitrobenzene	5015
n-Octane (Octane)	5027
n-Pentane (Pentane)	5028
n-Propanol (1-Propanol)	5055
n-Propylbenzene (Propylbenzene, 1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5250
Pentachloroethane	5035
Propionitrile (Ethyl Cyanide)	5080
sec-Butylbenzene	4440
Stryene	5100
tert-Amyl Alcohol (TAA, 2-Methyl-2-But)	4368



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260C by Gas Chromatography Mass Spectrometry (GC/MS) 10307003

Solid

tert-Amyl Ethyl Ether (TAEE)	4369
tert-Amyl Methyl Ether (TAME)	4370
tert-Butyl Alcohol (TBA, 2-Methyl-2-Propanol, t-Butanol)	4420
tert-Butylbenzene	4445
Tetrachloroethene	5115
Tetrahydrofuran (THF)	5120
Toluene	5140
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
trans-1,4-Dichloro-2-Butene	4605
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl Acetate	5225
Vinyl Chloride (Chloroethene)	5235
Xylenes (Total)	5260

EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS) 10307127

Aqueous

1,1,1,2-Tetrachloroethane	5105
1,1,1-Trichloroethane	5160
1,1,2,2-Tetrachloroethane	5110
1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113)	5185
1,1,2-Trichloroethane	5165
1,1-Dichloro-2-Propanone	7450
1,1-Dichloroethane	4630
1,1-Dichloroethylene	4640
1,1-Dichloropropene	4670
1,2,3-Trichlorobenzene	5150
1,2,3-Trichloropropane (TCP)	5180
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585
1,2-Dichlorobenzene	4610
1,2-Dichloroethane (Ethylene Dichloride, EDC)	4635
1,2-Dichloroethene (Total, cis & trans)	4705
1,2-Dichloropropane	4655



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS)

10307127

Aqueous

1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,3-Dichloropropene	4675
1,4-Dichlorobenzene	4620
1-Chlorobutane	4480
1-Chlorohexane	4510
2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chloroethyl Vinyl Ether	4500
2-Chlorotoluene	4535
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
2-Nitropropane	5020
4-Isopropyltoluene (p-Cymene)	4910
4-Methyl-2-Pentanone (MIBK)	4995
Acetone	4315
Acetonitrile	4320
Acrolein (Propenal)	4325
Acrylonitrile	4340
Allyl Chloride (3-Chloropropene)	4355
Benzene	4375
Benzyl Chloride	5635
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4395
Bromoform	4400
Bromomethane (Methyl Bromide)	4950
Carbon Disulfide	4450
Carbon Tetrachloride	4455
Chloroacetonitrile	4470
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethane)	4575
Chloroethane (Ethyl Chloride)	4485
Chloroform	4505
Chloromethane (Methyl Chloride)	4960
Chloroprene (2-Chloro-1,3-Butadiene)	4525



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS) 10307127

Aqueous

cis-1,2-Dichloroethylene 4645

cis-1,3-Dichloropropene 4680

Cyclohexane 4555

Dibromomethane (Methylene Bromide) 4595

Dichlorodifluoromethane (Freon 12) 4625

Dichlorofluoromethane (Freon 21) 4627

Diethyl Ether 4725

Diisobutylene (2,4,4-Trimethyl-1-Pentene) 4689

Diisopropyl Ether (Propane) NR

Ethyl Acetate 4755

Ethyl Methacrylate 4810

Ethyl tert-Butyl Ether (ETBE, 2-Ethoxy-2-Methylpropane) 4770

Ethylbenzene 4765

Heptane 4825

Hexachlorobutadiene 4835

Hexachloroethane 4840

Iodomethane (Methyl Iodide) 4870

Isopropyl Alcohol (IPA, 2-Propanol, Isopropanol) 4895

Isopropylbenzene (Cumene) 4900

m,p-Xylene 5240

Methacrylonitrile 4925

Methyl Acetate 4940

Methyl Acrylate 4945

Methyl Methacrylate 4990

Methyl tert Butyl Ether (MTBE) 5000

Methylcyclohexane 4965

Methylene Chloride (Dichloromethane) 4975

Naphthalene 5005

n-Butylbenzene 4435

n-Hexane 4855

Nitrobenzene 5015

n-Octane (Octane) 5027

n-Pentane (Pentane) 5028

n-Propanol (1-Propanol) 5055

n-Propylbenzene (Propylbenzene, 1-phenylpropane) 5090

o-Xylene (1,2-Xylene) 5250



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS)

10307127

Aqueous

Pentachloroethane	5035
Propionitrile (Ethyl Cyanide)	5080
sec-Butylbenzene	4440
Stryene	5100
tert-Amyl Alcohol (TAA, 2-Methyl-2-But)	4368
tert-Amyl Ethyl Ether (TAEE)	4369
tert-Amyl Methyl Ether (TAME)	4370
tert-Butyl Alcohol (TBA, 2-Methyl-2-Propanol, t-Butanol)	4420
tert-Butylbenzene	4445
Tetrachloroethene	5115
Tetrahydrofuran (THF)	5120
Toluene	5140
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
trans-1,4-Dichloro-2-Butene	4605
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl Acetate	5225
Vinyl Chloride (Chloroethene)	5235
Xylenes (Total)	5260

Solid

1,1,1,2-Tetrachloroethane	5105
1,1,1-Trichloroethane	5160
1,1,2,2-Tetrachloroethane	5110
1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113)	5185
1,1,2-Trichloroethane	5165
1,1-Dichloro-2-Propanone	7450
1,1-Dichloroethane	4630
1,1-Dichloroethylene	4640
1,1-Dichloropropene	4670
1,2,3-Trichlorobenzene	5150
1,2,3-Trichloropropane (TCP)	5180
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic	
EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS)	10307127
Solid	
1,2-Dichlorobenzene	4610
1,2-Dichloroethane (Ethylene Dichloride, EDC)	4635
1,2-Dichloroethene (Total, cis & trans)	4705
1,2-Dichloropropane	4655
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,3-Dichloropropene	4675
1,4-Dichlorobenzene	4620
1-Chlorobutane	4480
1-Chlorohexane	4510
2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chlorotoluene	4535
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
2-Nitropropane	5020
4-Isopropyltoluene (p-Cymene)	4910
4-Methyl-2-Pentanone (MIBK)	4995
Acetone	4315
Acetonitrile	4320
Acrolein (Propenal)	4325
Acrylonitrile	4340
Allyl Chloride (3-Chloropropene)	4355
Benzene	4375
Benzyl Chloride	5635
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4395
Bromoform	4400
Bromomethane (Methyl Bromide)	4950
Carbon Disulfide	4450
Carbon Tetrachloride	4455
Chloroacetonitrile	4470
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethane)	4575
Chloroethane (Ethyl Chloride)	4485



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS)

10307127

Solid

Chloroform	4505
Chloromethane (Methyl Chloride)	4960
Chloroprene (2-Chloro-1,3-Butadiene)	4525
cis-1,2-Dichloroethylene	4645
cis-1,3-Dichloropropene	4680
Cyclohexane	4555
Dibromomethane (Methylene Bromide)	4595
Dichlorodifluoromethane (Freon 12)	4625
Dichlorofluoromethane (Freon 21)	4627
Diethyl Ether	4725
Diisobutylene (2,4,4-Trimethyl-1-Pentene)	4689
Diisopropyl Ether (Propane)	NR
Ethyl Acetate	4755
Ethyl Methacrylate	4810
Ethyl tert-Butyl Ether (ETBE, 2-Ethoxy-2-Methylpropane)	4770
Ethylbenzene	4765
Heptane	4825
Hexachlorobutadiene	4835
Hexachloroethane	4840
Iodomethane (Methyl Iodide)	4870
Isopropyl Alcohol (IPA, 2-Propanol, Isopropanol)	4895
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240
Methacrylonitrile	4925
Methyl Acetate	4940
Methyl Acrylate	4945
Methyl Methacrylate	4990
Methyl tert Butyl Ether (MTBE)	5000
Methylcyclohexane	4965
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435
n-Hexane	4855
Nitrobenzene	5015
n-Octane (Octane)	5027
n-Pentane (Pentane)	5028



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8260D by Gas Chromatography Mass Spectrometry (GC/MS) 10307127

Solid

n-Propanol (1-Propanol)	5055
n-Propylbenzene (Propylbenzene, 1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5250
Pentachloroethane	5035
Propionitrile (Ethyl Cyanide)	5080
sec-Butylbenzene	4440
Stryene	5100
tert-Amyl Alcohol (TAA, 2-Methyl-2-But)	4368
tert-Amyl Ethyl Ether (TAEE)	4369
tert-Amyl Methyl Ether (TAME)	4370
tert-Butyl Alcohol (TBA, 2-Methyl-2-Propanol, t-Butanol)	4420
tert-Butylbenzene	4445
Tetrachloroethene	5115
Tetrahydrofuran (THF)	5120
Toluene	5140
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
trans-1,4-Dichloro-2-Butene	4605
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl Acetate	5225
Vinyl Chloride (Chloroethene)	5235
Xylenes (Total)	5260

EPA 8270D by Gas Chromatography Mass Spectrometry (GC/MS) 10186002

Aqueous

1,1'-Biphenyl (Biphenyl)	6703
1,2,4,5-Tetrachlorobenzene	6715
1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,2-Dinitrobenzene (1,2-DNB)	6155
1,2-Diphenylhydrazine	6220
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dinitrobenzene (1,3-DNB)	6160
1,4-Dichlorobenzene	4620
1,4-Dinitrobenzene (1,4-DNB)	6165
1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270D by Gas Chromatography Mass Spectrometry (GC/MS)

10186002

Aqueous

1-Methylnaphthalene	6380
2,2-Oxybis(2-Chloropropane) (Bis(2-Chloroisopropyl)ether)	5780
2,3,4,6-Tetrachlorophenol	6735
2,3,5,6-Tetrachlorophenol	6740
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD, Qualitative Screen)	9619
2,3-Dichloroaniline	9363
2,4,5-Trichlorophenol	6835
2,4,6-Trichlorophenol	6840
2,4-Dichlorophenol	6000
2,4-Dimethylphenol	6130
2,4-Dinitrophenol	6175
2,4-Dinitrotoluene (2,4-DNT)	6185
2,6-Dichlorophenol	6005
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Chloronaphthalene	5795
2-Chlorophenol	5800
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	6360
2-Methylnaphthalene	6385
2-Methylphenol (o-Cresol)	6400
2-Naphthylamine	6430
2-Nitroaniline	6460
2-Nitrophenol	6490
3,3'-Dichlorobenzidine	5945
3+4-Methylphenol (m+p Cresol)	6412
3-Nitroaniline	6465
4-Bromophenyl Phenyl Ether (BDE-3)	5660
4-Chloro-3-Methylphenol	5700
4-Chloroaniline	5745
4-Chlorophenyl Phenylether	5825
4-Nitroaniline	6470
4-Nitrophenol	6500
Acenaphthene	5500
Acenaphthylene	5505
Acetophenone	5510
Alpha-Terpineol	6700
Aniline	5545



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270D by Gas Chromatography Mass Spectrometry (GC/MS)	10186002
Aqueous	
Anthracene	5555
Atrazine	7065
Azobenzene (1,2-Diphenylhydrazine)	5562
Benzaldehyde	5570
Benzidine	5595
Benzo(a)anthracene	5575
Benzo(a)pyrene	5580
Benzo(b)fluoranthene	5585
Benzo(g,h,i)perylene	5590
Benzo(k)fluoranthene	5600
Benzoic Acid	5610
Benzyl Alcohol	5630
Bis(2-Chloroethoxy) Ether	NR
Bis(2-chloroethoxy)methane	5760
Bis(2-Chloroethyl)ether	5765
bis(2-ethylhexy)phthalate (DEHP)	6065
bis(2-Ethylhexyl)adipate	6062
Butyl Benzyl Phthalate	5670
Caprolactam	7180
Carbazole	5680
Chrysene	5855
Dibenz(a,h)anthracene	5895
Dibenzofuran	5905
Diethyl Phthalate	6070
Dimethoate	7475
Dimethyl Phthalate	6135
di-n-Butyl Phthalate	5925
Di-n-octyl Phthalate	6200
Diphenylamine	6205
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Hexachlorobutadiene	4835
Hexachlorocyclopentadiene	6285
Hexachloroethane	4840
Indeno(1,2,3,cd)pyrene	6315



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270D by Gas Chromatography Mass Spectrometry (GC/MS)

10186002

Aqueous

Isophorone	6320
Naphthalene	5005
n-Decane	5875
n-Heptadecane	9515
Nitrobenzene	5015
n-Nitrosodiethylamine	6525
n-Nitrosodimethylamine	6530
n-Nitroso-di-n-Butylamine	5025
n-Nitrosodi-n-Propylamine	6545
n-Nitrosodiphenylamine	6535
n-Nitrosopyrrolidine	6565
n-Octadecane	6580
Pentachlorobenzene	6590
Pentachlorophenol (PCP)	6605
Phenanthrene	6615
Phenol	6625
Pyrene	6665
Pyridine	5095

Solid

1,1'-Biphenyl (Biphenyl)	6703
1,2,4,5-Tetrachlorobenzene	6715
1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,2-Dinitrobenzene (1,2-DNB)	6155
1,2-Diphenylhydrazine	6220
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dinitrobenzene (1,3-DNB)	6160
1,4-Dichlorobenzene	4620
1,4-Dinitrobenzene (1,4-DNB)	6165
1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735
1-Methylnaphthalene	6380
2,2-Oxybis(2-Chloropropane) (Bis(2-Chloroisopropyl)ether)	5780
2,3,4,6-Tetrachlorophenol	6735
2,3,5,6-Tetrachlorophenol	6740
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD, Qualitative Screen)	9619
2,3-Dichloroaniline	9363



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270D by Gas Chromatography Mass Spectrometry (GC/MS)

10186002

Solid

2,4,5-Trichlorophenol	6835
2,4,6-Trichlorophenol	6840
2,4-Dichlorophenol	6000
2,4-Dimethylphenol	6130
2,4-Dinitrophenol	6175
2,4-Dinitrotoluene (2,4-DNT)	6185
2,6-Dichlorophenol	6005
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Chloronaphthalene	5795
2-Chlorophenol	5800
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	6360
2-Methylnaphthalene	6385
2-Methylphenol (o-Cresol)	6400
2-Naphthylamine	6430
2-Nitroaniline	6460
2-Nitrophenol	6490
3,3'-Dichlorobenzidine	5945
3+4-Methylphenol (m+p Cresol)	6412
3-Nitroaniline	6465
4-Bromophenyl Phenyl Ether (BDE-3)	5660
4-Chloro-3-Methylphenol	5700
4-Chloroaniline	5745
4-Chlorophenyl Phenylether	5825
4-Nitroaniline	6470
4-Nitrophenol	6500
Acenaphthene	5500
Acenaphthylene	5505
Acetophenone	5510
Alpha-Terpineol	6700
Aniline	5545
Anthracene	5555
Atrazine	7065
Azobenzene (1,2-Diphenylhydrazine)	5562
Benzaldehyde	5570
Benzidine	5595
Benzo(a)anthracene	5575



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270D by Gas Chromatography Mass Spectrometry (GC/MS)

10186002

Solid

Benzo(a)pyrene	5580
Benzo(b)fluoranthene	5585
Benzo(g,h,i)perylene	5590
Benzo(k)fluoranthene	5600
Benzoic Acid	5610
Benzyl Alcohol	5630
Bis(2-Chloroethoxy) Ether	NR
Bis(2-chloroethoxy)methane	5760
Bis(2-Chloroethyl)ether	5765
bis(2-ethylhexy)phthalate (DEHP)	6065
bis(2-Ethylhexyl)adipate	6062
Butyl Benzyl Phthalate	5670
Caprolactam	7180
Carbazole	5680
Chrysene	5855
Dibenz(a,h)anthracene	5895
Dibenzofuran	5905
Diethyl Phthalate	6070
Dimethoate	7475
Dimethyl Phthalate	6135
di-n-Butyl Phthalate	5925
Di-n-octyl Phthalate	6200
Diphenylamine	6205
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Hexachlorobutadiene	4835
Hexachlorocyclopentadiene	6285
Hexachloroethane	4840
Indeno(1,2,3,cd)pyrene	6315
Isophorone	6320
Naphthalene	5005
n-Decane	5875
n-Heptadecane	9515
Nitrobenzene	5015
n-Nitrosodiethylamine	6525



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270D by Gas Chromatography Mass Spectrometry (GC/MS)

10186002

Solid

n-Nitrosodimethylamine	6530
n-Nitroso-di-n-Butylamine	5025
n-Nitrosodi-n-Propylamine	6545
n-Nitrosodiphenylamine	6535
n-Nitrosopyrrolidine	6565
n-Octadecane	6580
Pentachlorobenzene	6590
Pentachlorophenol (PCP)	6605
Phenanthrene	6615
Phenol	6625
Pyrene	6665
Pyridine	5095
Resorcinol	6680

EPA 8270D SIM by Gas Chromatography Mass Spectrometry (GC/MS) Selective Ion Monitoring (SIM)

10242509

Aqueous

1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735
1-Methylnaphthalene	6380
2,4-Dinitrotoluene (2,4-DNT)	6185
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Methylnaphthalene	6385
Acenaphthene	5500
Acenaphthylene	5505
Anthracene	5555
Benzo(a)Anthracene	5575
Benzo(a)pyrene	5580
Benzo(b)fluoranthene	5585
Benzo(g,h,i)perylene	5590
Benzo(k)fluoranthene	5600
Bis(2-Chloroethyl)ether	5765
Chrysene	5855
Dibenz(a,h)anthracene	5895
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Indeno(1,2,3,cd)pyrene	6315
Naphthalene	5005



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270D SIM by Gas Chromatography Mass Spectrometry (GC/MS) Selective Ion Monitoring (SIM)	10242509
Aqueous	
Phenanthrene	6615
Pyrene	6665
Solid	
1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735
1-Methylnaphthalene	6380
2,4-Dinitrotoluene (2,4-DNT)	6185
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Methylnaphthalene	6385
Acenaphthene	5500
Acenaphthylene	5505
Anthracene	5555
Benzo(a)anthracene	5575
Benzo(a)pyrene	5580
Benzo(b)fluoranthene	5585
Benzo(g,h,i)perylene	5590
Benzo(k)fluoranthene	5600
Bis(2-Chloroethyl)ether	5765
Chrysene	5855
Dibenz(a,h)anthracene	5895
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Indeno(1,2,3,cd)pyrene	6315
Naphthalene	5005
Phenanthrene	6615
Pyrene	6665
EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS)	10242543
Aqueous	
1,1'-Biphenyl (Biphenyl)	6703
1,2,4,5-Tetrachlorobenzene	6715
1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,2-Dinitrobenzene (1,2-DNB)	6155
1,2-Diphenylhydrazine	6220
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dinitrobenzene (1,3-DNB)	6160



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS)

10242543

Aqueous

1,4-Dichlorobenzene	4620
1,4-Dinitrobenzene (1,4-DNB)	6165
1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735
1-Methylnaphthalene	6380
2,2-Oxybis(2-Chloropropane) (Bis(2-Chloroisopropyl)ether)	5780
2,3,4,6-Tetrachlorophenol	6735
2,3,5,6-Tetrachlorophenol	6740
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD, Qualitative Screen)	9619
2,3-Dichloroaniline	9363
2,4,5-Trichlorophenol	6835
2,4,6-Trichlorophenol	6840
2,4-Dichlorophenol	6000
2,4-Dimethylphenol	6130
2,4-Dinitrophenol	6175
2,4-Dinitrotoluene (2,4-DNT)	6185
2,6-Dichlorophenol	6005
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Chloronaphthalene	5795
2-Chlorophenol	5800
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	6360
2-Methylnaphthalene	6385
2-Methylphenol (o-Cresol)	6400
2-Naphthylamine	6430
2-Nitroaniline	6460
2-Nitrophenol	6490
3,3'-Dichlorobenzidine	5945
3+4-Methylphenol (m+p Cresol)	6412
3-Nitroaniline	6465
4-Bromophenyl Phenyl Ether (BDE-3)	5660
4-Chloro-3-Methylphenol	5700
4-Chloroaniline	5745
4-Chlorophenyl Phenylether	5825
4-Nitroaniline	6470
4-Nitrophenol	6500
Acenaphthene	5500
Acenaphthylene	5505



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS)	10242543
Aqueous	
Acetophenone	5510
Alpha-Terpineol	6700
Aniline	5545
Anthracene	5555
Atrazine	7065
Azobenzene (1,2-Diphenylhydrazine)	5562
Benzaldehyde	5570
Benzidine	5595
Benzo(a)anthracene	5575
Benzo(a)pyrene	5580
Benzo(b)fluoranthene	5585
Benzo(g,h,i)perylene	5590
Benzo(k)fluoranthene	5600
Benzoic Acid	5610
Benzyl Alcohol	5630
Bis(2-Chloroethoxy) Ether	NR
Bis(2-chloroethoxy)methane	5760
Bis(2-Chloroethyl)ether	5765
bis(2-ethylhexy)phthalate (DEHP)	6065
bis(2-Ethylhexyl)adipate	6062
Butyl Benzyl Phthalate	5670
Caprolactam	7180
Carbazole	5680
Chrysene	5855
Dibenz(a,h)anthracene	5895
Dibenzofuran	5905
Diethyl Phthalate	6070
Dimethoate	7475
Dimethyl Phthalate	6135
di-n-butylphthalate	5925
di-n-octyl Phthalate	6200
Diphenylamine	6205
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Hexachlorobutadiene	4835



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS) 10242543

Aqueous

Hexachlorocyclopentadiene 6285

Hexachloroethane 4840

Indeno(1,2,3,cd)pyrene 6315

Isophorone 6320

Naphthalene 5005

n-Decane 5875

n-Heptadecane 9515

Nitrobenzene 5015

n-Nitrosodiethylamine 6525

n-Nitrosodimethylamine 6530

n-Nitroso-di-n-Butylamine 5025

n-Nitrosodi-n-Propylamine 6545

n-Nitrosodiphenylamine 6535

n-Nitrosopyrrolidine 6565

n-Octadecane 6580

Pentachlorobenzene 6590

Pentachlorophenol (PCP) 6605

Phenanthrene 6615

Phenol 6625

Pyrene 6665

Pyridine 5095

Solid

1,1'-Biphenyl (Biphenyl) 6703

1,2,4,5-Tetrachlorobenzene 6715

1,2,4-Trichlorobenzene 5155

1,2-Dichlorobenzene 4610

1,2-Dinitrobenzene (1,2-DNB) 6155

1,2-Diphenylhydrazine 6220

1,3-Dichlorobenzene (1,3-DCB) 4615

1,3-Dinitrobenzene (1,3-DNB) 6160

1,4-Dichlorobenzene 4620

1,4-Dinitrobenzene (1,4-DNB) 6165

1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane) 4735

1-Methylnaphthalene 6380

2,2-Oxybis(2-Chloropropane) (Bis(2-Chloroisopropyl)ether) 5780

2,3,4,6-Tetrachlorophenol 6735



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS)

10242543

Solid

2,3,5,6-Tetrachlorophenol	6740
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD, Qualitative Screen)	9619
2,3-Dichloroaniline	9363
2,4,5-Trichlorophenol	6835
2,4,6-Trichlorophenol	6840
2,4-Dichlorophenol	6000
2,4-Dimethylphenol	6130
2,4-Dinitrophenol	6175
2,4-Dinitrotoluene (2,4-DNT)	6185
2,6-Dichlorophenol	6005
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Chloronaphthalene	5795
2-Chlorophenol	5800
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	6360
2-Methylnaphthalene	6385
2-Methylphenol (o-Cresol)	6400
2-Naphthylamine	6430
2-Nitroaniline	6460
2-Nitrophenol	6490
3,3'-Dichlorobenzidine	5945
3+4-Methylphenol (m+p Cresol)	6412
3-Nitroaniline	6465
4-Bromophenyl Phenyl Ether (BDE-3)	5660
4-Chloro-3-Methylphenol	5700
4-Chloroaniline	5745
4-Chlorophenyl Phenylether	5825
4-Nitroaniline	6470
4-Nitrophenol	6500
Acenaphthene	5500
Acenaphthylene	5505
Acetophenone	5510
Alpha-Terpineol	6700
Aniline	5545
Anthracene	5555
Atrazine	7065
Azobenzene (1,2-Diphenylhydrazine)	5562



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS)

10242543

Solid

Benzaldehyde	5570
Benzidine	5595
Benzo(a)anthracene	5575
Benzo(a)pyrene	5580
Benzo(b)fluoranthene	5585
Benzo(g,h,i)perylene	5590
Benzo(k)fluoranthene	5600
Benzoic Acid	5610
Benzyl Alcohol	5630
Bis(2-Chloroethoxy) Ether	NR
Bis(2-chloroethoxy)methane	5760
Bis(2-Chloroethyl)ether	5765
bis(2-ethylhexyl)phthalate (DEHP)	6065
bis(2-Ethylhexyl)adipate	6062
Butyl Benzyl Phthalate	5670
Caprolactam	7180
Carbazole	5680
Chrysene	5855
Dibenz(a,h)anthracene	5895
Dibenzofuran	5905
Diethyl Phthalate	6070
Dimethoate	7475
Dimethyl Phthalate	6135
di-n-butylphthalate	5925
di-n-octyl Phthalate	6200
Diphenylamine	6205
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Hexachlorobutadiene	4835
Hexachlorocyclopentadiene	6285
Hexachloroethane	4840
Indeno(1,2,3,cd)pyrene	6315
Isophorone	6320
Naphthalene	5005
n-Decane	5875



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E by Gas Chromatography Mass Spectrometry (GC/MS) 10242543

Solid

n-Heptadecane	9515
Nitrobenzene	5015
n-Nitrosodiethylamine	6525
n-Nitrosodimethylamine	6530
n-Nitroso-di-n-Butylamine	5025
n-Nitrosodi-n-Propylamine	6545
n-Nitrosodiphenylamine	6535
n-Nitrosopyrrolidine	6565
n-Octadecane	6580
Pentachlorobenzene	6590
Pentachlorophenol (PCP)	6605
Phenanthrene	6615
Phenol	6625
Pyrene	6665
Pyridine	5095
Resorcinol	6680

EPA 8270E SIM by Gas Chromatography Mass Spectrometry (GC/MS) Selective Ion Monitoring (SIM) 10242565

Aqueous

1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane)	4735
1-Methylnaphthalene	6380
2,4-Dinitrotoluene (2,4-DNT)	6185
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Methylnaphthalene	6385
Acenaphthene	5500
Acenaphthylene	5505
Anthracene	5555
Benzo(a)anthracene	5575
Benzo(a)pyrene	5580
Benzo(b)fluoranthene	5585
Benzo(g,h,i)perylene	5590
Benzo(k)fluoranthene	5600
Bis(2-Chloroethyl)ether	5765
Chrysene	5855
Dibenz(a,h)anthracene	5895
Fluoranthene	6265
Fluorene	6270



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8270E SIM by Gas Chromatography Mass Spectrometry (GC/MS) Selective Ion Monitoring (SIM) 10242565

Aqueous

Hexachlorobenzene 6275

Indeno(1,2,3,cd)pyrene 6315

Naphthalene 5005

Phenanthrene 6615

Pyrene 6665

Solid

1,4-Dioxane (1,4-Diethyleneoxide, p-Dioxane) 4735

1-Methylnaphthalene 6380

2,4-Dinitrotoluene (2,4-DNT) 6185

2,6-Dinitrotoluene (2,6-DNT) 6190

2-Methylnaphthalene 6385

Acenaphthene 5500

Acenaphthylene 5505

Anthracene 5555

Benzo(a)anthracene 5575

Benzo(a)pyrene 5580

Benzo(b)fluoranthene 5585

Benzo(g,h,i)perylene 5590

Benzo(k)fluoranthene 5600

Bis(2-Chloroethyl)ether 5765

Chrysene 5855

Dibenz(a,h)anthracene 5895

Fluoranthene 6265

Fluorene 6270

Hexachlorobenzene 6275

Indeno(1,2,3,cd)pyrene 6315

Naphthalene 5005

Phenanthrene 6615

Pyrene 6665

EPA 8330B by High Performance Liquid Chromatography (HPLC) 10308006

Aqueous

1,3,5-Trinitrobenzene (1,3,5-TNB) 6885

1,3-Dinitrobenzene (1,3-DNB) 6160

2,4,6-Trinitrotoluene (2,4,6-TNT) 9651

2,4-Dinitrotoluene (2,4-DNT) 6185

2,6-Dinitrotoluene (2,6-DNT) 6190



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Organic

EPA 8330B by High Performance Liquid Chromatography (HPLC)

10308006

Aqueous

2-Amino-4,6-Dinitrotoluene (2-Am-DNT) 9303

2-Nitrotoluene (2-NT) 9507

3,5-Dinitroaniline 6150

3-Nitrotoluene (3-NT) 9510

4-Amino-2,6-Dinitrotoluene (4-Am-DNT) 9306

4-Nitrotoluene (4-NT) 9513

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) 9522

Nitrobenzene 5015

Nitroglycerin 6485

Pentaerythritoltetranitrate (PETN) 9558

RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine) 9432

Tetryl (Methyl-2,4,6-Trinitrophenylnitramine) 6415

Solid

1,3,5-Trinitrobenzene (1,3,5-TNB) 6885

1,3-Dinitrobenzene (1,3-DNB) 6160

2,4,6-Trinitrotoluene (2,4,6-TNT) 9651

2,4-Dinitrotoluene (2,4-DNT) 6185

2,6-Dinitrotoluene (2,6-DNT) 6190

2-Amino-4,6-Dinitrotoluene (2-Am-DNT) 9303

2-Nitrotoluene (2-NT) 9507

3,5-Dinitroaniline 6150

3-Nitrotoluene (3-NT) 9510

4-Amino-2,6-Dinitrotoluene (4-Am-DNT) 9306

4-Nitrotoluene (4-NT) 9513

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) 9522

Nitrobenzene 5015

Nitroglycerin 6485

Pentaerythritoltetranitrate (PETN) 9558

RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine) 9432

Tetryl (Methyl-2,4,6-Trinitrophenylnitramine) 6415

RSK 175 by Gas Chromatography Flame Ionization Detection (GC/FID)

10212905

Aqueous

Ethane 4747

Ethene 4752

Methane 4926



Certificate of Accreditation: Supplement

ALS - Middletown

301 Fulling Mill Road, Middletown, PA 17057

Contact Name: Susan Magness Phone: 717-944-5541

Accreditation is granted to the facility to perform the following testing:

Code

Preparation

Aqueous

ASTM D3987	Leachate Extraction
EPA 1311	Toxicity Characteristic Leaching Procedure (TCLP), Zero-Headspace Extraction Vessel (ZHE)
EPA 1312	Synthetic Precipitation Leaching Procedure (SPLP)
EPA 3015A	Acid Digestion for Metals (Microwave)
EPA 3510C	Separatory Funnel Liquid-Liquid Extraction
EPA 3511	Microextraction for Organics
EPA 3535A	Solid-Phase Extraction (SPE)
EPA 3620B	Florisil Cleanup
EPA 3660B	Sulfur Cleanup
EPA 3665A	Sulfuric Acid Cleanup
EPA 5030B	Purge-and-Trap for Volatile Organics in Aqueous Samples
EPA 5030C	Purge-and-Trap for Volatile Organics in Aqueous Samples
SM 4500 Norg B+C	Kjeldahl Method

Solid

ASTM D3987	Leachate Extraction
EPA 1311	Toxicity Characteristic Leaching Procedure (TCLP), Zero-Headspace Extraction Vessel (ZHE)
EPA 1312	Synthetic Precipitation Leaching Procedure (SPLP)
EPA 3050B	Acid Digestion for Metals
EPA 3051A	Acid Digestion for Metals
EPA 3546	Microwave Extraction (Organics)
EPA 3580A	Waste Dilution Extraction for Extractable Organics
EPA 3620B	Florisil Cleanup
EPA 3660B	Sulfur Cleanup
EPA 3665A	Sulfuric Acid Cleanup
EPA 5035A	Purge-and-Trap and Extraction For Volatile Organics (Closed-System)
EPA 9030B	Distillation (Acid-Soluble and Acid-Insoluble Sulfides)
SM 4500 Norg B+C	Kjeldahl Method

Footnotes:

> Method codes are typically based on The NELAC Institute (TNI) Laboratory Accreditation Management System (LAMS) and are used to compare to the laboratory reported Performance Test (PT) results. Although the method code may not represent the specific method version, it is the method code used to represent the method/technology used to report PTs. (NC = No Code)