



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PACE ANALYTICAL NATIONAL
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ENVIRONMENTAL

Valid To: December 31, 2021

Certificate Number: 1461.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with the 2009 TNI Environmental Testing Laboratory Standard, the requirements of the DoD Environmental Laboratory Accreditation Program (DoD ELAP) and the requirements of the Department of Energy Consolidated Audit Program (DOECAP) as detailed in version 5.3 of the DoD/DOE Quality Systems Manual for Environmental Laboratories (QSM), and for the test methods applicable to Kentucky Statute KRS 224.60-130(2)(a), and for the test methods applicable to the Wyoming Storage Tank Remediation Laboratory Accreditation Program, accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies

Demands, Gas Chromatography, Gas Chromatography/Mass Spectrometry, Gravimetry, HPLC, Hazardous Waste Characteristics Tests, Ion Chromatography, FIMS AA Cold Vapor, ICP, ICP-MS, MBAS, Misc. electrodes (pH, F, O), Titrimetry, Turbidity, Microbiology, Air, Bioassay, Gamma Spectrometry, Alpha Spectrometry, KPA, Liquid Scintillation, GFAA

*Solid Hazardous Waste methods, Microbiology, Air Testing and Bioassay are accredited to the requirements of the DoD ELAP and DOECAP.

<u>Environmental Analyses</u>				
<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
<u>Metals</u>				
Aluminum	EPA 200.7	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Antimony	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Arsenic	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Barium	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Beryllium	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Boron	EPA 200.7	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Cadmium	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Calcium	EPA 200.7	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Chromium	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Cobalt	EPA 200.7	EPA 200.7	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Copper	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Iron	EPA 200.7	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Lead	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Lithium	EPA 200.7	EPA 200.7	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Magnesium	EPA 200.7	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Manganese	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Mercury	EPA 245.1	EPA 245.1	EPA 7470 A	EPA 7471 A, B
Molybdenum	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Nickel	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Phosphorus	EPA 200.7	EPA 200.7	EPA 6010 B, C, D	EPA 6010 B, C, D

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Potassium	EPA 200.7	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Selenium	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Silver	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Sodium	EPA 200.7	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Strontium	EPA 200.7	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Thallium	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Tin	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Titanium	EPA 200.7	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Thorium	-----	EPA 200.8	EPA 6020, 6020A, 6020B	EPA 6020, 6020A, 6020B
Uranium	EPA 200.8	EPA 200.8	EPA 6020, 6020A, 6020B	EPA 6020, 6020A, 6020B
Vanadium	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Zinc	EPA 200.7 EPA 200.8	EPA 200.7 EPA 200.8	EPA 6010 B, C, D EPA 6020, 6020A, 6020B	EPA 6010 B, C, D EPA 6020, 6020A, 6020B
Metals Preparation	EPA 200.2	EPA 200.2	EPA 3015 A	EPA 3051 A EPA 3050 B
<u>Nutrients</u>				
Ammonia (as N)	-----	EPA 350.1 SM 4500 NH ₃ B – 2011 (prep) SM 4500 NH ₃ G – 2011	-----	-----
Kjeldahl Nitrogen	-----	EPA 351.2 SM 4500 N _{org} D – 2011	-----	-----

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Organic Nitrogen (as N)	-----	SM 4500 N _{org} D 2011	-----	-----
Nitrate (as N)	EPA 300.0 SM 4110 B-2011 EPA 353.2 SM 4500-NO ₃ F-2011	EPA 300.0 SM 4110 B-2011 EPA 353.2 SM 4500 NO ₃ F-2011	EPA 9056, 9056 A	EPA 9056, 9056 A
Nitrate-nitrite (as N)	EPA 300.0 SM 4110 B-2011 EPA 353.2 SM 4500 NO ₃ F-2011	EPA 300.0 SM 4110 B-2011 EPA 353.2 SM 4500 NO ₃ F-2011	EPA 9056, 9056 A	EPA 9056, 9056 A
Nitrite (as N)	EPA 300.0 EPA 353.2 SM 4110 B-2011 SM 4500 NO ₃ F-2011	EPA 300.0 EPA 353.2 SM 4110 B-2011 SM 4500 NO ₃ F-2011	EPA 9056, 9056 A	EPA 9056, 9056 A
Orthophosphate (as P)	EPA 365.2 SM 4500 P E-2011	EPA 365.2 SM 4500 P E-2011	-----	EPA 9056, 9056 A
Total Phosphorus	-----	EPA 365.1 EPA 365.4 SM 4500 P H-2011 (prep) SM 4500 P B-2011 (prep)	-----	-----
Anion Preparation	-----	-----	-----	Prep: 300 Rv 2.1
<u>Demands</u>				
Biological Oxygen Demand	-----	SM 5210 B-2011	-----	-----
Carbonaceous BOD	-----	SM 5210 B-2011	-----	-----
Chemical Oxygen Demand	-----	EPA 410.4 SM 5220 D-2011	-----	-----
Dissolved Organic Carbon	SM 5310 C-2011	SM 5310 B - 2011	EPA 9060 A	
Total Organic Carbon	SM 5310 C-2011	SM 5310 B- 2011	EPA 9060 A	Walkley Black Mod.
Dissolved Oxygen	-----	SM 4500 O G-2011	-----	-----
Extractable Organic Halides	-----	-----	-----	EPA 9023
Total Organic Halides	-----	SM 5320 B-2010	EPA 9020 B	EPA 9076
<u>Wet Chemistry</u>				
% Ash	-----	-----	-----	ASTM D5468 ASTM D482

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<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Acidity	-----	SM 2310 B-2011	-----	-----
Alkalinity	SM 2320 B-2011	EPA 310.2 SM 2320 B-2011	-----	-----
Bromide	EPA 300.0 SM 4110 B-2011	EPA 300.0 SM 4110 B-2011	EPA 9056, 9056 A	EPA 9056, 9056 A
BTU	-----	-----	-----	ASTM D240
Carbon Dioxide	SM 4500- CO2 D – 2011	SM 4500-CO2 D- 2011		
Chloride	EPA 300.0 SM 4110 B – 2011	EPA 300.0 SM 4110 B-2011	EPA 9056, 9056 A	EPA 9056, 9056 A
Chlorine	SM 4500 Cl G – 2011	SM 4500 Cl G-2011	-----	-----
Color	SM 2120 B-2011	SM 2120 B-2011	-----	-----
Cyanide	EPA 335.4 SM 4500 CN B, C-2011 prep & (distillation) SM 4500 CN E- 2011 (analysis)	EPA 335.4 SM 4500 CN B, C-2011 prep & (distillation) SM 4500 CN E-2011 (analysis)	EPA 9010 C EPA 9012 B	EPA 9012 B EPA 9013 EPA 9010 C
Cyanide Amenable to Chlorination	EPA 335.4 SM 4500 CN B- 2011 (prep) SM 4500 CN G- 2011	EPA 335.4 SM 4500 CN B - 2011 (prep) SM 4500 CN G-2011	EPA 9010 C EPA 9012 B	EPA 9010 C EPA 9012 B
Density (Specific Gravity)	-----	SM 2710 F-2011	-----	-----
Total Dissolved Solids	SM 2540 C-2011	SM 2540 C-2011	-----	-----
Fractional Organic Carbon and Organic Matter	-----	-----	-----	ASTM D2974-07A
Fluoride	EPA 300.0 SM 4110 B-2011	EPA 300.0 SM 4110 B-2011 SM 4500 F B-2011 (prep) SM 4500 F C-2011	EPA 9056, 9056 A	EPA 9056, 9056 A
Hardness	EPA 130.1 SM 2340 B-2011	EPA 130.1 EPA 200.7 SM 2340 B-2011	EPA 6010 B, C, D	-----
Hexavalent Chromium	EPA 218.6 SM 3500 Cr B- 2011 SM 3500 Cr C-2011	EPA 218.6 M SM 3500 Cr B-2011 SM 3500 Cr C-2011	EPA 7196 A EPA 7199	EPA 7196 A Prep EPA 3060 A EPA 7199

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<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Iron (Ferrous)	-----	SM 3500 Fe B-2011	-----	-----
MBAS (Surfactants)	SM 5540 C-2011	SM 5540 C-2011	-----	-----
Total Suspended Solids	SM 2540 D-2011	SM 2540 D-2011	-----	-----
Oil and Grease	-----	EPA 1664 A EPA 1664 B	EPA 9070 A EPA 1664 A EPA 1664 B	EPA 9071 B
Oxidation Reduction Potential	SM 2580 B	SM 2580 B	SM 2580 B	SM 2580 B Modified
Perchlorate	EPA 314 Mod.	EPA 314 Mod.	EPA 314 Mod.	EPA 314 Mod.
pH	EPA 150.1 SM 4500-H B-2011	EPA 150.1 SM 4500-H B-2011	EPA 9040 B EPA 9040 C	EPA 9045 C EPA 9045 D
Phenols	EPA 420.1 EPA 420.4 SM 5530 D-2005	EPA 420.1 EPA 420.4 SM 5530 D-2005	EPA 9066	-----
Salinity	-----	SM 2520 B-2011	-----	-----
Settleable Solids	-----	SM 2540 F-2011	-----	-----
Specific Conductance	EPA 120.1 SM 2510 B-2011	EPA 120.1 SM 2510 B-2011	EPA 9050 A	EPA 9050 A
Sulfide	-----	SM 4500-S2 D-2011	-----	EPA 9030 B EPA 9034
Sulfate	EPA 300.0 SM 4110 B-2011	EPA 300.0 SM 4110 B-2011	EPA 9056, 9056 A	EPA 9056, 9056 A
Sulfite	-----	4500-SO ₃ B-2011	-----	-----
Total Solids	-----	SM 2540 B -2011	-----	SM 2540 G (20 th)
Turbidity	EPA 180.1 SM 2130 B-2011	EPA 180.1 SM 2130 B-2011	-----	-----
UV 254	SM 5910 B-2011	SM 5910 B-2011	-----	-----
Volatile Residue	-----	EPA 160.4 SM 2540 E-2011	-----	-----
<u>Microbiology*</u>				
Enterococci	-----	Enterolert	-----	-----
Fecal Coliform	-----	EPA 1681 Colilert-18	EPA 1681	EPA 1681
Total Coliform	SM 9223 B-2004	SM 9223 B-2004	-----	-----
<i>Escherichia coli</i>	SM 9223 B-2004	SM 9223 B-2004	-----	-----
Legionella	Legiolert	Legiolert		
Heterotrophic Bacteria	SM 9215 B-2000	SM 9215 B-2000	-----	-----
<u>Purgeable Organics (Volatiles)</u>				
1,1,1,2-Tetrachloroethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
1,1,1-Trichloroethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,1,2,2-Tetrachloroethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,1,2-Trichloro-1,2,2-trifluoroethane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,1,2-Trichloroethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,1-Dichloroethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,1-Dichloroethene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,1-Dichloropropene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,2,3-Trichlorobenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,2,3-Trichloropropane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,2,3-Trimethylbenzene	-----	EPA 624.1	EPA 8260 B, C, D	EPA 8260 B, C, D
1,2,4-Trichlorobenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,2,4-Trimethylbenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,2-Dibromo-3-chloropropane	EPA 524.2 EPA 504.1	EPA 624.1 SM 6200 B-2011 EPA 8011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,2-Dibromomethane (EDB)	EPA 524.2 EPA 504.1	EPA 624.1 SM 6200 B-2011 EPA 8011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,2-Dichlorobenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,2-Dichloroethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,2-Dichloropropane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,3,5-Trimethylbenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,3-Butadiene	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,3-Dichlorobenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,3-Dichloropropane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1,4-Dichlorobenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D

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<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
1,4-Dioxane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D (Includes SIM)	EPA 8260 B, C, D (Includes SIM)
1-Butanol	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
1-Methylnaphthalene	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
2,2,4-Trimethylpentane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
2,2-Dichloropropane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
2-Butanone (MEK)	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
2-Chloroethyl Vinyl Ether	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
2-Chlorotoluene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
2-Hexanone	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
2-Methylnaphthalene	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
2-Nitropropane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
3,3-dimethyl-1-butanol	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
4-Chlorotoluene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
4-Ethyltoluene	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
4-Methyl-2-pentanone (MIBK)	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Acetone	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Acetonitrile	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Acrolein	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Acrylonitrile	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Allyl Chloride	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Benzene	EPA 524.2	EPA 602 EPA 624.1 SM 6200 B-2011	EPA 8021 B EPA 8260 B, C, D OK DEQ	EPA 8021 B EPA 8260 B, C, D OK DEQ
Bromobenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260B, C, D	EPA 8260 B, C, D

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Bromochloromethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Bromodichloromethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Bromoethane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Bromoform	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Bromomethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Carbon Disulfide	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Carbon Tetrachloride	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Chlorobenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Chloroethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Chloroform	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Chloromethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Chloroprene (2-chloro-1,3-Butadiene)	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
cis-1,2-Dichloroethene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
cis-1,3-Dichloropropene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
cis-1,4-Dichloro-2-Butene	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Cyclohexane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Cyclohexanone	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Dibromochloromethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Dibromomethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Dichlorodifluoromethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Dicyclopentadiene	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Diethyl Ether	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Diisopropyl Ether (DIPE)	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Ethanol	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D EPA 8260 B Headspace	EPA 8260 B, C, D EPA 8260 B Headspace
Ethyl Acetate	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Ethyl Methacrylate	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Ethylbenzene	EPA 524.2	EPA 602 EPA 624.1 SM 6200 B-2011	EPA 8021 B EPA 8260 B, C, D OK DEQ	EPA 8021 B EPA 8260 B, C, D OK DEQ
Ethyl-tert-butyl-ether (ETBE)	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Gasoline Range Organics	-----	-----	EPA 8015 B, C, D EPA 8260 B, C, D NWTPH GX OA-1 WI GRO MADEP VPH MT VPH KS LRH AK 101 OK DEQ	EPA 8015 B, C, D EPA 8260 B, C, D NWTPH GX OA-1 WI GRO MADEP VPH MT VPH KS LRH AK 101 OK DEQ
C5-C6 Aliphatic Hydrocarbons	-----	-----	WA DOE VPH	WA DOE VPH
>C6-C8 Aliphatic Hydrocarbons	-----	-----	WA DOE VPH	WA DOE VPH
>C8-C10 Aliphatic Hydrocarbons	-----	-----	WA DOE VPH	WA DOE VPH
C8-C10 Aromatic Hydrocarbons	-----	-----	WA DOE VPH	WA DOE VPH
Hexachlorobutadiene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Hexachloroethane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Iodomethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Iso-butyl Alcohol	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Isopropanol	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Ethylbenzene	EPA 524.2	EPA 602 EPA 624.1 SM 6200 B-2011	EPA 8021 B EPA 8260 B, C	EPA 8021 B EPA 8260 B, C
Ethyl Methacrylate	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C	EPA 8260 B, C

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Ethyl-tert-butyl-ether (ETBE)	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C	EPA 8260 B, C
42-Hexanone	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C	EPA 8260 B, C
Hexachlorobutadiene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C	EPA 8260 B, C
Isopropylbenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Methacrylonitrile	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Methanol	-----	-----	EPA 8260 B Headspace	EPA 8260 B Headspace
Methyl Acetate	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Methyl Methacrylate	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Methylcyclohexane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Methylene Chloride	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Methyl-tert-butyl-ether (MTBE)	EPA 524.2	EPA 624.1 EPA 6200B- 2011	EPA 8021 B EPA 8260 B, C, D OK DEQ	EPA 8021 B EPA 8260 B, C, D OK DEQ
m-Xylene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Naphthalene	EPA 524.2	EPA 624.1 SM 6200B-2011	EPA 8021 B EPA 8260 B, C, D OK DEQ	EPA 8021 B EPA 8260 B, C, D OK DEQ
n-Butylbenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
n-Heptane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
n-Hexane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
n-Octane	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
n-Propylbenzene	EPA 524.2	EPA 624.1 SM 6200B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
o-Xylene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
<u>Pentachloroethane</u>	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
p-Isopropyltoluene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Propene	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Propionitrile	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
p-Xylene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
sec-Butylbenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Styrene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
t-Amyl Alcohol	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
t-Butyl Formate	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
tert-Amyl ethyl ether	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Tert-Amyl-methyl-ether (TAME)	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
tert-Butyl Alcohol (TBA)	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
tert-Butylbenzene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Tetrachloroethene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Tetrahydrofuran	EPA 524.2	EPA 624.1 SM 6200B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Toluene	EPA 524.2	EPA 602 EPA 624.1 SM 6200 B-2011	EPA 8021 B EPA 8260 B, C, D OK DEQ	EPA 8021 B EPA 8260 B, C, D OK DEQ
trans-1,2-Dichloroethene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
trans-1,3-Dichloropropene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
trans-1,4-Dichloro-2- Butene	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Trichloroethene	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Trichlorofluoromethane	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Trihalomethanes	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Vinyl Acetate	-----	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Vinyl Chloride	EPA 524.2	EPA 624.1 SM 6200 B-2011	EPA 8260 B, C, D	EPA 8260 B, C, D
Xylenes, total	EPA 524.2	EPA 602 EPA 624.1 SM 6200 B-2011	EPA 8021 B EPA 8260 B, C, D OK DEQ	EPA 8021 B EPA 8260 B, C, D OK DEQ

Environmental Analyses

Parameter/Analyte	Potable Water	Nonpotable Water	Solid Hazardous Waste	
			Aqueous*	Solid*
Purgeables Preparation	-----	-----	EPA 5030 C	EPA 5035 A EPA 3585
Extractable Organics (Semivolatiles)				
1,2,3,4-Tetrachlorobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,2,3,5-Tetrachlorobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,2,4,5-Tetrachlorobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,2,4-Trichlorobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,2-Dichlorobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,2-Diphenylhydrazine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,3,5-Trinitrobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,3-Dichlorobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,3-Dinitrobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,4-Dichlorobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,4-Dinitrobenzene		EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,4-Dioxane	-----	EPA 625.1 SIM	EPA 8270 C, D, E SIM (Isotopic dilution)	EPA 8270 C, D, E SIM (Isotopic dilution)
1,4-Naphthoquinone	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1,4-Phenylenediamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1-Chloronaphthalene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
1-Methylnaphthalene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
1-Naphthylamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,2-Oxybis(1-chloropropane)	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,3,4,6-Tetrachlorophenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,4,5-Trichlorophenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,4,6-Trichlorophenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,4-Dichlorophenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,4-Dimethylphenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,4-Dinitrophenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,4-Dinitrotoluene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,6-Dichlorophenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,6-Dinitrotoluene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2,6-Toluenediisocyanate		EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2-Acetylaminofluorene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2-Chloronaphthalene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2-Chlorophenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
2-Methyl-4,6-Dinitrophenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2-Methylnaphthalene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
2-Methylphenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2-Naphthylamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2-Nitroaniline	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2-Nitrodiphenylamine		EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2-Nitrophenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
2-Picoline	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
3,3'-Dichlorobenzidine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
3,3-Dimethylbenzidine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
3-Methylcholanthrene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
3-Methylphenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
3-Nitroaniline	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
4,4'-Methylenebis(2-chloroaniline)		EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
4-Aminobiphenyl	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
4-Bromophenylphenylether	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
4-Chloro-3-methylphenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
4-Chloroaniline	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
4-Chlorophenyl Phenyl Ether	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
4-Methylphenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
4-Nitro Quinoline-1-Oxide	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
4-Nitroaniline	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
4-Nitrophenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
5-Nitro-2-Toluidine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
7,12-Dimethylbenz (a)anthracene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
7H-Dibenzo(c,g)carbazole	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Acenaphthene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Acenaphthylene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Acetophenone	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Alpha Terpineol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Aniline	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Anthracene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Aramite	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Atrazine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Benzaldehyde	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Benzal Chloride	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Benzenethiol		EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Benzidine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Benzo (a) Anthracene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Benzo (a) Pyrene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Benzo (b) Fluoranthene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Benzo (ghi) Perylene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Benzo (k) Fluoranthene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Benzo(j)fluoranthene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Benzoic Acid	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Benzotrichloride	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Benzyl Alcohol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Benzyl Chloride	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Biphenyl (1,1-)	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Bis (2-chloroethoxy) methane	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Bis (2-chloroethyl) Ether	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Bis (2-ethylhexyl) phthalate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Butyl benzyl phthalate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Caprolactam	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Carbazole	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Chlorobenzilate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Chrysene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
cis-Diallate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
cis-Isosafrole	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Dibenzo (a,e) pyrene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Dibenzo (a,h) acridine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Dibenzo (a,h) anthracene	-----	EPA 610 EPA 625.1	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Dibenzo (a,i) pyrene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Dibenzo (a,j) acridine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Dibenzofuran	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Diesel Range Organics / Oil Range Organics / Residual Range Organics	-----	-----	EPA 8015 B, C, D FL PRO OA2 TN EPH TX 1005 WI DRO NWTPH Dx NWTPH ID MADEP EPH MT EPH NJ EPH KS MRH-HRH 8270C DRO MO AK 102 AK 103 EPA 8270 C, D, E OK DEQ TX 1006	EPA 8015 B, C, D FL PRO OA2 TN EPH TX 1005 WI DRO NWTPH Dx NWTPH ID MADEP EPH MT EPH NJ EPH KS MRH-HRH 8270C DRO MO AK 102 AK 103 EPA 8270 C, D, E OK DEQ TX 1006
C10-C12 Aliphatic Hydrocarbons	-----	-----	WA DOE EPH	WA DOE EPH
C12-C16 Aliphatic Hydrocarbons	-----	-----	WA DOE EPH	WA DOE EPH
C16-C21 Aliphatic Hydrocarbons	-----	-----	WA DOE EPH	WA DOE EPH
C21-C34 Aliphatic Hydrocarbons	-----	-----	WA DOE EPH	WA DOE EPH
C10-C12 Aromatic Hydrocarbons	-----	-----	WA DOE EPH	WA DOE EPH
C12-C16 Aromatic Hydrocarbons	-----	-----	WA DOE EPH	WA DOE EPH
C16-C21 Aromatic Hydrocarbons	-----	-----	WA DOE EPH	WA DOE EPH
C21-C34 Aromatic Hydrocarbons	-----	-----	WA DOE EPH	WA DOE EPH
Diethyl Phthalate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Dimethoate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Dimethyl Phthalate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Di-n-butyl Phthalate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Di-n-octyl Phthalate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Dinoseb	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Diphenyl Ether	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Diphenyl Ketone (Benzophenone)	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Diphenylamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Disulfoton	-----	-----	EPA 8270 C, D, E	EPA 8270 C, D, E
Ethylene Glycol	-----	-----	EPA 8015 B, C, D	EPA 8015 B, C, D
Ethyl Methanesulfonate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Famphur	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Fluoranthene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Fluorene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Hexachlorobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Hexachlorobutadiene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Hexachlorocyclopentadiene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Hexachloroethane	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Hexachlorophene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Hexachloropropene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Hydroquinone	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Indene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Indeno (1,2,3-cd) Pyrene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Isodrin	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Isophorone	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Kepone	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Methapyrilene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Methyl Methanesulfonate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Mirex	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Naphthalene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
n-Decane	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Nitrobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
n-Nitrosodiethylamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
n-Nitrosodimethylamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
n-Nitroso-di-n-butylamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
n-Nitrosodi-n-propylamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
n-Nitrosodiphenylamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
n-Nitrosomethylethylamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
n-Nitrosomorpholine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
n-Nitrosopiperidine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
n-Nitrosopyrrolidine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
n-Octadecane	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
O,O,O-Triethyl phosphorothioate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
o-Toluidine (2-Methylaniline)	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Parathion Ethyl	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Parathion Methyl	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
p-Dimethylaminoazobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Pentachlorobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Pentachloroethane	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Pentachloronitrobenzene	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Pentachlorophenol	-----	EPA 610 EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Phenacetin	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Phenanthrene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Phenol	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Phorate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Phthalic Anhydride		EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Polynuclear Aromatic Hydrocarbons	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Propylene Glycol	-----	EPA 8015 B, C, D	EPA 8015 B, C, D	EPA 8015 B, C, D
Pronamide	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Pyrene	-----	EPA 610 EPA 625.1 (Includes SIM)	EPA 8270 C, D, E (Includes SIM) EPA 8310	EPA 8270 C, D, E (Includes SIM) EPA 8310
Pyridine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Quinoline	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Safrole	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Sulfotepp	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Thionazin	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
trans-Diallate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
trans-Isosafrole	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
Triclosan		EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
tris-(2,3-dibromopropyl) phosphate	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
α,α-Dimethylphenethylamine	-----	EPA 625.1	EPA 8270 C, D, E	EPA 8270 C, D, E
<u>Pesticides/Herbicides/PCBs</u>				
Atrazine	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Azinphos Methyl	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Bolstar	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Butachlor	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Carbophenothion	-----	-----	EPA 8141 B	EPA 8141 B
Chlorpyrifos	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Coumaphos	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Cyanazine	-----	-----	EPA 8141 B	EPA 8141 B
Demeton-O & -S	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Diazinon	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Dichlorvos	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Dimethoate	-----	EPA 1657 Mod.	EPA 8141 B	EPA 8141 B
Disulfoton	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
EPN	-----	EPA 1657 Mod.	EPA 8141 B	EPA 8141 B
Ethion	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Ethoprop	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Famphur	-----	-----	EPA 8141 B	EPA 8141 B
Fensulfothion	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Fenthion	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Malathion	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Merphos	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Mevinphos	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Naled	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Parathion Ethyl	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Parathion Methyl	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Phorate	-----	-----	EPA 8141 B	EPA 8141 B
Phosmet	-----	-----	EPA 8141 B	EPA 8141 B
Ronnel	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Simazine	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Stirophos	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Sulfotepp	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
TEPP	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Tetrachlorvinphos	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Tokuthion (Prothiofos)	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
Trichloronate	-----	EPA 1657 A Mod.	EPA 8141 B	EPA 8141 B
4,4'-DDD	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
4,4'-DDE	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
4,4'-DDT	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Aldrin	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
alpha-BHC	-----	EPA 608.3	EPA 8081 B	EPA 8081 B
beta-BHC	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Chlordane	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Chlordane (Alpha)	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Chlordane (Gamma)	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
delta-BHC	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Dieldrin	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Endosulfan I (alpha)	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Endosulfan II (beta)	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Endosulfan sulfate	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Endrin	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Endrin aldehyde	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Endrin ketone	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
gamma-BHC	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Heptachlor	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Heptachlor Epoxide	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Hexachlorobenzene	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Methoxychlor	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
Toxaphene	-----	EPA 608.3	EPA 8081 A, B	EPA 8081 A, B
PCB-1016 (Arochlor)	-----	EPA 608.3	EPA 8082, 8082 A	EPA 8082, 8082 A
PCB-1221	-----	EPA 608.3	EPA 8082, 8082 A	EPA 8082, 8082 A
PCB-1232	-----	EPA 608.3	EPA 8082, 8082 A	EPA 8082, 8082 A
PCB-1242	-----	EPA 608.3	EPA 8082, 8082 A	EPA 8082, 8082 A
PCB-1248	-----	EPA 608.3	EPA 8082, 8082 A	EPA 8082, 8082 A
PCB-1254	-----	EPA 608.3	EPA 8082, 8082 A	EPA 8082, 8082 A
PCB-1260	-----	EPA 608.3	EPA 8082, 8082 A	EPA 8082, 8082 A
PCB-1262	-----	EPA 608.3	EPA 8082, 8082 A	EPA 8082, 8082 A
PCB-1268	-----	EPA 608.3	EPA 8082, 8082 A	EPA 8082, 8082 A
2,4,5-T	-----	SM 6640 B-2006	EPA 8151 A	EPA 8151 A
2,4,5-TP (Silvex)	-----	SM 6640 B-2006	EPA 8151 A	EPA 8151 A
2,4-D	-----	SM 6640 B-2006	EPA 8151 A	EPA 8151 A
2,4-DB	-----	SM 6640 B-2006	EPA 8151 A	EPA 8151 A
Dalapon	-----	SM 6640 B-2006	EPA 8151 A	EPA 8151 A
Dicamba	-----	SM 6640 B-2006	EPA 8151 A	EPA 8151 A
Dichloroprop	-----	SM 6640 B-2006	EPA 8151 A	EPA 8151 A
Dinoseb	-----	SM 6640 B-2006	EPA 8151 A	EPA 8151 A
MCPA	-----	-----	EPA 8151 A	EPA 8151 A
MCPP	-----	-----	EPA 8151 A	EPA 8151 A
Pentachlorophenol	-----	-----	EPA 8151 A	EPA 8151 A
Dibromoacetic Acid	EPA 552.2	-----	-----	-----
Dichloroacetic Acid	EPA 552.2	-----	-----	-----
Monobromoacetic Acid	EPA 552.2	-----	-----	-----
Monochloroacetic Acid	EPA 552.2	-----	-----	-----
Trichloroacetic Acid	EPA 552.2	-----	-----	-----
<u>Organic Preparation</u>				
Microextraction	-----	-----	EPA 3511	-----
Separatory funnel	-----	-----	EPA 3510 C EPA 3510 C RVE	-----
Sonication	-----	-----	-----	EPA 3550 B, C
Microwave	-----	-----	-----	EPA 3546

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
Clean up	-----	-----	EPA 3580 A EPA 3630 C EPA 3660 B EPA 3665 A	EPA 3580 A EPA 3630 C EPA 3660 B EPA 3665 A
<u>Explosives</u>				
1,3,5-Trinitrobenzene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
1,3-Dinitrobenzene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
2,4,6-Trinitrotoluene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
2,4-Dinitrotoluene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
2,6-Dinitrotoluene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
2-Amino-4,6-dinitrotoluene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
2-Nitrotoluene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
3-Nitrotoluene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
4-Amino-2,6-dinitrotoluene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
4-Nitrotoluene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
HMX (Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine)	-----	-----	EPA 8330 A, B	EPA 8330 A, B
Nitrobenzene	-----	-----	EPA 8330 A, B	EPA 8330 A, B
Nitroglycerine	-----	-----	EPA 8330 A, B	EPA 8330 A, B
Nitroguanidine	-----	-----	EPA 8330 A, B	EPA 8330 A, B
PETN (Pentaerythritol Tetranitrate)	-----	-----	EPA 8330 A, B	EPA 8330 A, B
RDX (Hexahydro-1,3,5-trinitro-1,3,5-triazine)	-----	-----	EPA 8330 A, B	EPA 8330 A, B
Tetryl (N-methyl-N,2,4,6-trinitrophenylnitramine)	-----	-----	EPA 8330 A, B	EPA 8330 A, B
Guanidine Nitrate	-----	-----	EPA 9056 A Mod.	EPA 9056 A Mod.
Nitrocellulose	-----	-----	EPA 353.2 Mod.	EPA 353.2 Mod.
8330A/8330B Prep	-----	-----	EPA 3535 A	EPA 3550 C
<u>Hazardous Waste Characteristics</u>				
Conductivity	-----	-----	EPA 9050 A	-----
Corrosivity	-----	-----	EPA 9045 C, D	EPA 9045 C, D
Ignitability	-----	-----	EPA 1010 EPA 1010 A	EPA 1010 EPA 1010 A
Paint Filter Liquids Test	-----	-----	-----	EPA 9095 A, B
Toxicity Characteristic Leaching Procedure	-----	-----	-----	EPA 1311
Synthetic Leachate Procedure	-----	-----	-----	EPA 1312

Environmental Analyses

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous*</u>	<u>Solid*</u>
<u>Bioassay*</u>				
Ceriodaphnia Dubia Survival and Reproduction Test	-----	EPA 1002	-----	-----
Fathead Minnow Larval Survival and Growth Test	-----	EPA 1000	-----	-----
Ceriodaphnia – Acute	-----	EPA 2002	-----	-----
Fathead Minnow – Acute	-----	EPA 2000	-----	-----

Air Testing

<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>
1,1,1,-Trichloroethane	TO-15, TO-15 SIM	-----
1,1,2,2-Tetrachloroethane	TO-15, TO-15 SIM	-----
1,1,2-Trichloroethane	TO-15, TO-15 SIM	-----
1,1-Dichloroethane	TO-15, TO-15 SIM	-----
1,1-Dichloroethene	TO-15, TO-15 SIM	-----
1,1-Difluoroethane	TO-15	-----
1,2,3-Trimethylbenzene	TO-15	-----
1,2,4-Trichlorobenzene	TO-15	-----
1,2,4-Trimethylbenzene	TO-15	-----
1,2-Dibromoethane	TO-15, TO-15 SIM	-----
1,2-Dichlorobenzene	TO-15	-----
1,2-Dichloroethane	TO-15	-----
1,2-Dichloropropane	TO-15, TO-15 SIM	-----
1,3,5-Trimethylbenzene	TO-15	-----
1,3-Butadiene	TO-15	-----
1,3-Dichlorobenzene	TO-15	-----
1,4-Bromofluorobenzene	TO-15, TO-15 SIM	
1,4-Dichlorobenzene	TO-15, TO-15 SIM	-----
1,4-Dioxane	TO-15	-----
2,2,4-Trimethylpentane	TO-15	-----
2-Chlorotoluene	TO-15	-----
2-Methylnaphthalene	TO-15	
4-Ethyltoluene	TO-15	-----
Acetaldehyde	TO-15	
Acetone	TO-15	-----
Acetonitrile	TO-15	
Acrolein	TO-15	
Acrylonitrile	TO-15	
Allyl Chloride	TO-15	-----
Benzene	TO-15, TO-15 SIM	-----
Benzyl Chloride	TO-15	-----
Bromodichloromethane	TO-15	-----

Air Testing		
<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>
Bromoform	TO-15	-----
Bromomethane	TO-15	-----
Carbon Disulfide	TO-15	-----
Carbon Tetrachloride	TO-15, TO-15 SIM	-----
Chlorobenzene	TO-15	-----
Chlorodifluoromethane	TO-15	-----
Chloroethane	TO-15, TO-15 SIM	-----
Chloroform	TO-15, TO-15 SIM	-----
Chloromethane	TO-15, TO-15 SIM	-----
cis-1,2-Dichloroethene	TO-15, TO-15 SIM	-----
cis-1,3-Dichloropropene	TO-15, TO-15 SIM	-----
Cyclohexane	TO-15	-----
Dibromochloromethane	TO-15	-----
Ethanol	TO-15	-----
Ethyl Acetate	TO-15	-----
Ethylbenzene	TO-15, TO-15 SIM	-----
Freon-11 (Trichlorofluoromethane)	TO-15	-----
Freon-113 (1,1,2- Trichlorotrifluoroethane)	TO-15	-----
Freon-114 (1,2- Dichlorotetrafluoroethane)	TO-15	-----
Freon-12 (Dichlorodifluoromethane)	TO-15	-----
Gasoline Range Organics	TO-15	-----
Hexachloro-1,3-Butadiene	TO-15	-----
Iodomethane	TO-15	-----
Isopropylbenzene	TO-15	-----
Isopropyl Alcohol	TO-15	-----
Methanol	TO-15	-----
Methyl Butyl Ketone (2-Hexanone)	TO-15	-----
Methyl Cyclohexane	TO-15	-----
Methyl Ethyl Ketone (2-Butanone)	TO-15	-----
Methyl Isobutyl Ketone (4-Methyl-2-pentanone)	TO-15	-----
Methyl Methacrylate	TO-15	-----
Methyl-tert-butyl-Ether	TO-15	-----
Methylene Chloride	TO-15	-----
m-xylene	TO-15	-----
Naphthalene	TO-15	-----
n-Butane	TO-15	-----
n-Butylbenzene	TO-15	-----
n-Heptane	TO-15	-----
n-Hexane	TO-15	-----

Air Testing		
<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>
n-Nonane	TO-15	
n-Pentane	TO-15	
n-Propylbenzene	TO-15	-----
o-xylene	TO-15	-----
Propylene	TO-15	-----
p-xylene	TO-15	-----
sec-Butylbenzene	TO-15	-----
Styrene	TO-15	-----
tert-Amyl-ethyl-ether	TO-15	-----
tert-Butyl-alcohol	TO-15	-----
tert-Butylbenzene	TO-15	-----
Tetrachloroethylene	TO-15, TO-15 SIM	-----
Tetrahydrofuran	TO-15	-----
Toluene	TO-15	-----
trans-1,2-Dichloroethene	TO-15, TO-15 SIM	-----
trans-1,3-Dichloropropene	TO-15, TO-15 SIM	-----
Trichloroethylene	TO-15, TO-15 SIM	-----
Vinyl acetate	TO-15, TO-15 SIM	-----
Vinyl bromide	TO-15	-----
Vinyl Chloride	TO-15, TO-15 SIM	-----
Xylenes (Total)	TO-15	-----
Acetylene	RSK-175	RSK-175
Ethane	RSK-175	RSK-175
Ethene	RSK-175	RSK-175
Methane	RSK-175	RSK-175
Propane	RSK-175	RSK-175
Carbon Dioxide	ASTM D1946	-----
Carbon Monoxide	ASTM D1946	-----
Methane	ASTM D1946	-----
Oxygen	ASTM D1946	-----

Radiochemistry		
<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid</u>
Gross Alpha	EPA 900 EPA 9310	EPA 900 Mod. EPA 9310 Mod.
Gross Beta	EPA 900 EPA 9310	EPA 900 Mod. EPA 9310 Mod.
Radium-228	EPA 904 EPA 9320	EPA 904 Mod. EPA 9320 Mod.
Total Strontium	EPA 905	EPA 905 Mod.
Strontium-90	EPA 905	EPA 905 Mod.
Tritium	EPA 906.0	EPA 906.0 Mod.
Carbon-14	EPA C-01	EPA C-01 Mod.
Radium-226	SM 7500-Ra B SM 7500 Ra B Mod.	SM 7500 Ra B Mod.

Total Alpha Radium	SM 7500-Ra B	SM 7500-Ra B Mod.
Radon-222	SM 7500-Rn B	
Am-241	EPA 907 Mod.	EPA 907 Mod.
Am-242/243	EPA 907 Mod.	EPA 907 Mod.
Cm-242	EPA 907 Mod.	EPA 907 Mod.
Cm-243/244	EPA 907 Mod.	EPA 907 Mod.
Radiochemistry		
Parameter/Analyte	Nonpotable Water	Solid
Cm-244	EPA 907 Mod.	EPA 907 Mod.
Cm-245/246	EPA 907 Mod.	EPA 907 Mod.
Np-237	EPA 907 Mod.	EPA 907 Mod.
Po-210	DOE HASL 300 Po-2 RC	DOE HASL 300 Po-2 RC
Pu-238	EPA 907 Mod.	EPA 907 Mod.
Pu-239	EPA 907 Mod.	EPA 907 Mod.
Pu-239/240	EPA 907 Mod.	EPA 907 Mod.
Th-227	LANL ER 200 Mod.	LANL ER 200 Mod.
Th-228	LANL ER 200 Mod.	LANL ER 200 Mod.
Th-230	LANL ER 200 Mod.	LANL ER 200 Mod.
Th-232	LANL ER 200 Mod.	LANL ER 200 Mod.
U-233/234	ASTM D3972	ASTM D3972 Mod.
U-235	ASTM D3972	ASTM D3972 Mod.
U-235/236	ASTM D3972	ASTM D3972 Mod.
U-238	ASTM D3972	ASTM D3972 Mod.
Total Uranium	ASTM D5174	ASTM D5174 Mod.
Gamma Spectrometry	EPA 901.1 HASL 300 Ga-01-R DOE 4.5.2.3	HASL 300 Ga-01-R DOE 4.5.2.3
Tc-99	TC-02-RC	TC-02-RC

Kentucky UST Program		
Parameter/Analyte	Solid Hazardous Waste	
	Aqueous	Solid
Toxicity Characteristic Leaching Procedure (Metals & Organics)	-----	EPA 1311
TPH (Oil & Grease)	EPA 9070A EPA 1664A EPA 1664B	EPA 9071A
Metals		
Arsenic	EPA 6010B, 6010C EPA 6020, 6020A	EPA 6010B, 6010C EPA 6020, 6020A
Barium	EPA 6010B, 6010C EPA 6020, 6020A	EPA 6010B, 6010C EPA 6020, 6020A
Cadmium	EPA 6010B, 6010C EPA 6020, 6020A	EPA 6010B, 6010C EPA 6020, 6020A
Chromium	EPA 6010B, 6010C EPA 6020, 6020A	EPA 6010B, 6010C EPA 6020, 6020A
Lead	EPA 6010B, 6010C	EPA 6010B, 6010C

	EPA 6020, 6020A	EPA 6020, 6020A
Mercury	EPA 7470A	EPA 7471A EPA 7471B
Selenium	EPA 6010B, 6010C EPA 6020, 6020A	EPA 6010B, 6010C EPA 6020, 6020A

Parameter/Analyte	Solid Hazardous Waste	
	Aqueous	Solid
Silver	EPA 6010B, 6010C EPA 6020, 6020A	EPA 6010B, 6010C EPA 6020, 6020A
Organics		
Gasoline Range Organics	EPA 8015 B, C, D	EPA 8015 B, C, D
Diesel Range Organics	EPA 8015 B, C, D	EPA 8015 B, C, D
Benzene	EPA 8260 B	EPA 8260 B
Ethyl Benzene	EPA 8260 B	EPA 8260 B
Toluene	EPA 8260 B	EPA 8260 B
Xylenes	EPA 8260 B	EPA 8260 B
TPH (Fingerprint)	EPA 8015 B, C, D	EPA 8015 B, C, D
Volatile Organic Compounds	EPA 8260 B	EPA 8260 B
Semi-Volatile Organics	EPA 8270 C	EPA 8270 C
PAH	EPA 8310 EPA 8270C	EPA 8310 EPA 8270C

Wyoming STR Program		
Parameter/Analyte	Solid Hazardous Waste	
	Aqueous	Solid
Metals		
Cadmium	EPA 6010 C	EPA 6010 C
Chromium	EPA 6010 C	EPA 6010 C
Lead	EPA 6010 C	EPA 6010 C
Purgeable Organics (Volatiles)		
Benzene	EPA 8260 B	EPA 8260 B
Diisopropyl Ether	EPA 8260 B	EPA 8260 B
Ethanol	EPA 8260 B	EPA 8260 B
Ethyl Benzene	EPA 8260 B	EPA 8260 B
Ethyl-t-butyl Ether	EPA 8260 B	EPA 8260 B
Gasoline Range Organics C6-C10	EPA 8015 C EPA 8260 B	EPA 8015 C EPA 8260 B
Methyl-t-butyl ether (MTBE)	EPA 8260 B	EPA 8260 B
Naphthalene	EPA 8260 B	EPA 8260 B
Toluene	EPA 8260 B	EPA 8260 B
t-Amyl-Methyl Ether	EPA 8260 B	EPA 8260 B
t-Butyl Alcohol	EPA 8260 B	EPA 8260 B
Xylenes, Total	EPA 8260 B	EPA 8260 B

1,2-Xylene	EPA 8260 B	EPA 8260 B
1,3-Xylene	EPA 8260 B	EPA 8260 B
1,4-Xylene	EPA 8260 B	EPA 8260 B
Extractable Organics		
Diesel Range Organics C10-C32	EPA 8015 C	EPA 8015 C





Accredited Laboratory

A2LA has accredited

PACE ANALYTICAL SERVICES

Mt. Juliet, TN

for technical competence in the field of

Environmental Testing

In recognition of the successful completion of the A2LA evaluation process that includes an assessment of the laboratory's compliance with ISO/IEC 17025:2017, the 2009 TNI Environmental Testing Laboratory Standard, and the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) and the requirements of the Department of Energy Consolidated Audit Program (DOECAP) as detailed in version 5.3 of the DoD Quality System Manual for Environmental Laboratories (QSM), accreditation is granted to this laboratory to perform recognized EPA methods as defined on the associated

A2LA Environmental Scope of Accreditation. This accreditation demonstrates technical competence for this defined scope and the operation of a laboratory quality management system

(refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

Presented this 27th day of November 2019.

A handwritten signature in blue ink, appearing to be 'A. M.', is written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1461.01
Valid to December 31, 2021
Revised November 29, 2021



For the tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.