



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ENVIRONMENTAL

Valid To: June 30, 2023

Certificate Number: 2567.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2017, the 2009 and 2016 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), accreditation is granted to this laboratory to perform the following radiochemical tests in various matrices, including soils, drinking water, wastewater, groundwater, fiber air filters, vegetation, animal tissues, milk, and construction debris:

<u>Test(s)</u>	<u>Preparation SOP(s)</u>	<u>Analytical SOP(s)</u>
<u>Alpha Spectrometry:</u> Alpha: Am-241, Am-243, Cf-252, Cm-242, Cm-243/244, Cm-245/246, Np-237, Po-208, Po-209, Po-210, Pu-236, Pu-238, Pu-239/240, Pu-242, Pu-244, Ra-224, Ra-226, Th-228, Th-229, Th-230, Th-232, U-232, U-233/234, U-235/236, U-238	GL-RAD-A-011, GL-RAD-A-015 GL-RAD-A-016, GL-RAD-A-021, GL-RAD-A-026 GL-RAD-A-032, GL-RAD-A-036, GL-RAD-A-038, GL-RAD-A-046, GL-RAD-A-053, GL-RAD-A-066, GL-RAD-A-069	GL-RAD-I-009, GL-RAD-I-015, GL-RAD-I-018
<u>Radon Emanation:</u> Ra-226	GL-RAD-A-008, GL-RAD-A-015, GL-RAD-A-021, GL-RAD-A-026, GL-RAD-A-028	GL-RAD-I-007

<u>Test(s)</u>	<u>Preparation SOP(s)</u>	<u>Analytical SOP(s)</u>
<p><u>Gamma Spectrometry:</u> Gamma: 46 to 1836 keV, I-129, I-131, Ni-59</p>	GL-RAD-A-006, GL-RAD-A-013, GL-RAD-A-015, GL-RAD-A-021, GL-RAD-A-022, GL-RAD-A-026	GL-RAD-I-001
<p><u>Gas Flow Proportional Counting:</u> Alpha: Total Radium</p> <p>48 Hour Gross Alpha</p> <p>Gross Alpha/Gross Beta</p> <p>Beta: Cl-36, I-131, Pb-210, Ra-228, Sr-89, Sr-90</p>	GL-RAD-A-010, GL-RAD-A-044, GL-RAD-A-063	GL-RAD-I-006, GL-RAD-I-015, GL-RAD-I-016, GL-RAD-I-021
	GL-RAD-A-047	
	GL-RAD-A-001, GL-RAD-A-001B, GL-RAD-A-001C, GL-RAD-A-001D	
	GL-RAD-A-004, GL-RAD-A-015, GL-RAD-A-017, GL-RAD-A-018, GL-RAD-A-021, GL-RAD-A-026, GL-RAD-A-029, GL-RAD-A-030, GL-RAD-A-033, GL-RAD-A-058, GL-RAD-A-063, GL-RAD-A-071	



<u>Test(s)</u>	<u>Preparation SOP(s)</u>	<u>Analytical SOP(s)</u>
<p><u>Liquid Scintillation Spectrometry:</u> Gross Alpha/Gross Beta</p> <p>Alpha: Rn-222</p> <p>Beta: C-14, Ca-45, Cl-36, Fe-55, H-3, Ni-63, P-32, Pm-147, Pu-241, S-35, Se-79, Sr-89/90, Sr-90, Tc-99</p> <p>Pyrolysis Preparation C-14, H-3 (Special Matrices)</p>	<p>GL-RAD-A-056</p> <p>GL-RAD-A-007</p> <p>GL-RAD-A-002, GL-RAD-A-003, GL-RAD-A-005, GL-RAD-A-015, GL-RAD-A-019, GL-RAD-A-020, GL-RAD-A-021 GL-RAD-A-022, GL-RAD-A-026 GL-RAD-A-031, GL-RAD-A-033, GL-RAD-A-035, GL-RAD-A-040, GL-RAD-A-041 GL-RAD-A-048, GL-RAD-A-049, GL-RAD-A-050, GL-RAD-A-051, GL-RAD-A-052, GL-RAD-A-059, GL-RAD-A-064, GL-RAD-A-065, GL-RAD-A-067</p>	<p>GL-RAD-I-004, GL-RAD-I-014, GL-RAD-I-017, GL-RAD-I-018</p>
<p><u>ICP-MS:</u> Uranium Isotopes (U-233, U-234, U-235, U-236, U-238), Tc-99</p>	<p>GL-RAD-A-005, GL-RAD-A-015, GL-RAD-A-021, GL-RAD-A-026, GL-RAD-A-060, GL-RAD-A-070</p>	<p>GL-RAD-B-034</p>



Additionally, In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2017, the 2009 and 2016 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), accreditation is granted to this laboratory to perform recognized EPA, Standard Methods for the Examination of Water and Wastewater, ASTM, California and Connecticut test methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies

Atomic Absorption/ICP-AES Spectrometry, ICP/MS, Gas Chromatography, Gas Chromatography/Mass Spectrometry, Gravimetry, High Performance Liquid Chromatography, Ion Chromatography, Methylene Blue Active Substances, Misc.-Electronic Probes (pH, O₂), Oxygen Demand, Hazardous Waste Characteristics Tests, Spectrophotometry (Visible), Spectrophotometry (Automated), IR Spectrometry, Titrimetry, Total Organic Carbon, Total Organic Halide, Turbidity, Liquid Chromatography/Mass Spectrometer/Mass Spectrometer, and Various Radiochemistry Techniques

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFFF)</u>	<u>Non-potable Water</u>	<u>Tissue</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
<u>Per-and Polyfluoroalkyl Substances (PFAS)</u>					
Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	EPA 533	-----	-----	-----	-----
Hexafluoropropyleneoxide Dimer Acid (HFPO-DA) (GenX)	EPA 533	-----	-----	-----	-----
Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	EPA 533	-----	-----	-----	-----
Perfluorooctane Sulfonic Acid (PFOS)	EPA 533	-----	-----	-----	-----
Perfluoroundecanoic Acid (PFUnA)	EPA 533	-----	-----	-----	-----
Perfluoropentanoic Acid (PFPeA)	EPA 533	-----	-----	-----	-----
Perfluoropentane Sulfonic Acid (PFPeS)	EPA 533	-----	-----	-----	-----
1H, 1H, 2H, 2H-Perfluorooctane Sulfonic Acid (6:2 FTS)	EPA 533	-----	-----	-----	-----
Perfluorohexanoic Acid (PFHxA)	EPA 533	-----	-----	-----	-----
Perfluorododecanoic Acid (PFDOA)	EPA 533	-----	-----	-----	-----
Perfluorooctanoic Acid (PFOA)	EPA 533	-----	-----	-----	-----
Perfluorodecanoic Acid (PFDA)	EPA 533	-----	-----	-----	-----
Perfluorohexane Sulfonic Acid (PFHxS)	EPA 533	-----	-----	-----	-----
Perfluorobutanoic Acid (PFBA)	EPA 533	-----	-----	-----	-----
Perfluorobutane Sulfonic Acid (PFBS)	EPA 533	-----	-----	-----	-----
Perfluoroheptanoic Acid (PFHpA)	EPA 533	-----	-----	-----	-----
Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 533	-----	-----	-----	-----
Perfluorononanoic Acid (PFNA)	EPA 533	-----	-----	-----	-----
Perfluoro-3-methoxypropanoic Acid (PFMPA)	EPA 533	-----	-----	-----	-----
1H, 1H, 2H, 2H-Perfluorodecane Sulfonic Acid (8:2 FTS)	EPA 533	-----	-----	-----	-----
9-Chlorohexadecafluoro-3-oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	EPA 533	-----	-----	-----	-----
1H, 1H, 2H, 2H-Perfluorohexane Sulfonic Acid (4:2 FTS)	EPA 533	-----	-----	-----	-----

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFFF)</u>	<u>Non-potable Water</u>	<u>Tissue</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
11-Chloroeicosafuoro-3-oxaundecane-1-Sulfonic Acid (11-Cl-PF3OUdS)	EPA 533	-----	-----	-----	-----
Perfluoro-4-methoxybutanoic Acid (PFMBA)	EPA 533	-----	-----	-----	-----
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 533	-----	-----	-----	-----
1H, 1H, 2H, 2H-Perflouroctane sulfonic acid (6:2 FTS)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
1H, 1H, 2H, 2H-Perfluorodecane Sulfonic Acid (8:2 FTS)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorobutane Sulfonic Acid (PFBS)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorobutanoic Acid (PFBA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorodecane Sulfonic Acid (PFDS)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorodecanoic Acid (PFDA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFFF)</u>	<u>Non-potable Water</u>	<u>Tissue</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Perfluorododecanoic Acid (PFDOA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoroheptanoic Acid (PFHpA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorohexane Sulfonic Acid (PFHxS)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorohexanoic Acid (PFHxA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorononane Sulfonic Acid (PFNS)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorononanoic Acid (PFNA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorooctane Sulfonamide (PFOSAm)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFFF)</u>	<u>Non-potable Water</u>	<u>Tissue</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Perfluorooctanoic Acid (PFOA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoropentanoic Acid (PFPeA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorotetradecanoic Acid (PFTDA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorotridecanoic Acid (PFTrDA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoroundecanoic Acid (PFUnDA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoropentane Sulfonic Acid (PFPeS)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorooctane Sulfonic Acid (PFOS)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
N-ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFFF)</u>	<u>Non-potable Water</u>	<u>Tissue</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
N-methyl perfluorooctanesulfonamido acetic acid (NMeFOSAA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Hexafluoropropyleneoxide dimer acid (HFPA-DA) (GenX)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
1 1-Chloroeicosafluoro-3- oxaundecane-1-sulfonic acid (1 1-C1-PF3OUdS)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
9-Chlorohexadecafluoro-3- oxanonane-1-sulfonic acid (9-C1- PF3ONS)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 537.1	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFFF)</u>	<u>Non-potable Water</u>	<u>Tissue</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
1H, 1H, 2H, 2H-Perfluorododecane sulfonic acid (10:2 FTS)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
N-Methylperfluorooctane sulfonamide (MeFOSA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
N-Methylperfluorooctane Sulfonamido Ethanol (MeFOSE)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorohexadecanoic Acid (PFHxDA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorooctadecanoic Acid (PFODA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoro-2-methoxyacetic acid (PFMOAA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFFF)</u>	<u>Non-potable Water</u>	<u>Tissue</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Nafion Byproduct 1 (NAFION_BP1)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Nafion Byproduct 2 (NAFION_BP2)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid (PFO5DOA) (TAF)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFFF)</u>	<u>Non-potable Water</u>	<u>Tissue</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
4-Heptafluoroisopropoxy) hexafluoro butanoic acid (PFECA-G)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluoroethoxypropyl carboxylic acid (PEPA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
Perfluorododecane sulfonic acid (PFDoS)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
2-Perfluorohexyl ethanoic acid (6:2FTA) (FHEA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
2-Perfluorooctyl ethanoic acid (8:2FTA) (FOEA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
2-Perfluorodecyl ethanoic acid (10:2FTA) (FDEA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
4,4,5,5,6,6-Heptafluorohexanoic acid (3:3 FTCA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFFF)</u>	<u>Non-potable Water</u>	<u>Tissue</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
2H, 2H, 3H, 3H-Perfluorooctanoic acid (5:3 FTCA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15
2H, 2H, 3H, 3H-Perfluorodecanoic acid (7:3 FTCA)	EPA 537.1 (M)	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15	PFAS by LCMSMS Compliant with QSM 5.3 Table B-15

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
<u>Metals</u>		
Aluminum	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Antimony	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B ²
Arsenic	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Barium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Beryllium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Bismuth	EPA 200.8/6020 EPA 6020A/6020B	EPA 6020A/6020B
Boron	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Cadmium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Calcium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Chromium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Cobalt	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Copper	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Hafnium	EPA 200.8 EPA 6020A/6020B	EPA 6020A/6020B
Iron	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Lead	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Lithium	EPA 200.8 EPA 6020A/6020B	EPA 6020A/6020B
Magnesium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Manganese	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Mercury	EPA 245.1/245.2 EPA 7470/7470A EPA 1631E	EPA 7470/7470A EPA 7471A/7471B
Molybdenum	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Nickel	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Phosphorous	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Potassium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Rhenium	EPA 200.8 EPA 6020A/6020B	EPA 6020A/6020B
Rhodium	EPA 200.8 EPA 6020A/6020B	EPA 6020A/6020B
Selenium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Silicon ¹	EPA 200.7 EPA 6010C/6010D	EPA 6010C/6010D
Silica as SiO ₂	EPA 200.7 EPA 6010C/6010D	EPA 6010C/6010D

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Silver	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B ²
Sodium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Strontium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Sulfur	EPA 200.7 EPA 6010C/6010D	EPA 6010C/6010D
Tantalum	EPA 6020A/6020B	EPA 6020A/6020B
Thallium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Thorium	EPA 200.8 EPA 6020A/6020B	EPA 6020A/6020B
Tin	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B ²
Titanium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Tungsten	EPA 200.8 EPA 6020A/6020B	EPA 6020A/6020B
Uranium	EPA 200.8 EPA 6020A/6020B ASTM D5174-02/97 DOE U-02	EPA 6020A/6020B DOE U-02
Isotopic Uranium	EPA 200.8 EPA 6020A/6020B	EPA 6020A/6020B
Vanadium	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Zinc	EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B	EPA 6010C/6010D EPA 6020A/6020B
Zirconium	EPA 200.8 EPA 6020A/6020B	EPA 6020A/6020B
<u>General Chemistry</u>		
Acidity	EPA 305.1 SM 2310B	-----
Adsorbable Organic Halogens (AOX)	EPA 1650	-----
Alkalinity	EPA 310.1 SM 2320B	-----
Ammenable Cyanide	EPA 9012A/9012B EPA 335.1 SM 4500-CN G	EPA 9012A/9012B

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Ammonia Nitrogen (and distillation)	EPA 350.1 SM 4500NH ₃ B/H	EPA 350.1 Modified
Biochemical Oxygen Demand (BOD)	EPA 405.1 SM 5210 B	-----
Bromide	EPA 300.0 EPA 9056A	EPA 9056A ³
Carbon Dioxide (Total and Free by calculation)	SM 4500-CO ₂ D	-----
Carbonaceous BOD (CBOD)	EPA 405.1 SM 5210B	-----
Chemical Oxygen Demand (COD)	EPA 410.4	-----
Chloride	EPA 300.0 EPA 9056A	EPA 9056A ³
Chlorine (residual)	EPA 330.5 SM 4500-Cl G	-----
Chromium VI	EPA 7196A SM 3500-Cr B	EPA 7196A
Color	EPA 110.2 SM 2120B	-----
Corrosivity toward Steel	-----	EPA 1110/1110A
Cyanide	EPA 335.4 EPA 9012A/9012B SM4500-CN'E/G	EPA 9012A/9012B
Density	-----	ASTM D5057
Extractable Organic Halides (EOX)	-----	EPA 9023
Fluoride	EPA 300.0 EPA 9056A	EPA 9056A ³
Ignitability	EPA 1020A/1020B/1020C	EPA 1020A/1020B/1020C
Iodide	EPA 300.0 EPA 9056A	EPA 9056A
Hardness (by calculation/titration)	EPA 130.2 EPA 200.7/200.8 EPA 6010C/6010D EPA 6020A/6020B SM 2340B/C	EPA 6010C/6010D EPA 6020A/6020B
Kjeldahl Nitrogen (TKN)	EPA 351.2 SM 4500N _{org} D	EPA 351.2 Modified
MBAS/Surfactants	SM 5540C	-----
Nitrate (as N)	EPA 300.0 EPA 9056A SM4500-NO ₃ -F	EPA 9056A ³
Nitrate-nitrite (as N)	EPA 300.0, 353.2 EPA 9056A SM 4500 NO ₃ -F	EPA 9056A ³
Nitrite (as N)	EPA 300.0 EPA 9056A	EPA 9056A ³
Oil & Grease	EPA 1664A	EPA 1664A ²

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Organic Nitrogen	EPA 350.1 EPA 351.2 TKN – Ammonia	-----
Orthophosphate (as P)	EPA 300.0 EPA 9056A	EPA 9056A ³
Oxygen, Dissolved	SM 4500 G	-----
Paint Filter Liquids Test	-----	EPA 9095B
Perchlorate	EPA 314.0 EPA 6850	EPA 314.0 Modified EPA 6850
pH	EPA 150.1 EPA 9040B/9040C EPA 9041A SM 4500-H ⁺ B	EPA 9040B/9040C EPA 9045C/9045D EPA 9041A
Reactive Cyanide	Sec 7.3.3 SW846	Sec 7.3.3 SW846
Reactive Sulfide	Sec 7.3.4 SW846	Sec 7.3.4 SW846
Residue- Filterable (TDS)	EPA 160.1 SM 2540C	-----
Residue- Nonfilterable (TSS)	EPA 160.2 SM 2540D	-----
Residue- Total	EPA 160.3 SM 2540B	-----
Residue- Total, fixed, and volatile	SM 2540G	-----
Residue- Volatile	EPA 160.4 SM 2540E	-----
Salinity	SM 2520B	-----
Specific conductance	EPA 120.1 EPA 9050A/120.1 SM 2510B	-----
Sulfate	EPA 300.0 EPA 9056A	EPA 9056A ³
Sulfite	SM 4500-SO ₃ ²⁻ B	-----
Sulfide	EPA 376.2 EPA 9030B EPA 9034 SM 4500 S ²⁻ D	EPA 9030B EPA 9034
Total Nitrate-Nitrite	EPA 353.2 SM 4500-NO ₃ ⁻ F	-----
Total Organic Carbon (TOC)	EPA 9060/9060A SM 5310B/415.1	EPA 9060/9060A ²
Total Organic Halides (TOX)	EPA 9020B	EPA 9020B ²
Total Petroleum Hydrocarbons	EPA 1664A	EPA 1664A
Total Phenolics	EPA 420.4 EPA 9066	EPA 9066
Total Phosphorous	EPA 365.4 SM 4500-P H	EPA 365.4 Modified
Turbidity	EPA 180.1 SM 2130B	-----

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
<u>Organic Analytes</u>		
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1 EPA 624.1 EPA 8011 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,2 Dibromoethane (EDB)	EPA 504.1 EPA 624.1 EPA 8011 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,2,3-Trichloropropane	EPA 504.1 EPA 624.1 EPA 8011 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
<u>Purgeable Organics (Volatiles)</u>		
1,1,1,2-Tetrachloroethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,1,1-Trichloroethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,1,2,2-Tetrachloroethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
1,1,2-Trichloroethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,1-Dichloroethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,1-Dichloroethene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,1-Dichloropropene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,2,3-Trichlorobenzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,2,3-Trichloropropane	EPA 504.1 EPA 624.1 EPA 8011 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
1,2,4-Trichlorobenzene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E SM 6200B	EPA 8260C/8260D EPA 8270D/8270E
1,2,4-Trimethylbenzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260B/8060C/8260D
1,2-Dichlorobenzene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E SM 6200B	EPA 8260C/8260D EPA 8270D/8270E
1,2-Dichloroethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,2-Dichloropropane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,3,5-Trimethylbenzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,3-Dichlorobenzene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E SM 6200B	EPA 8260C/8260D EPA 8270D/8270E
1,3-Dichloropropane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
1,4-Dichlorobenzene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E SM 6200B	EPA 8260C/8260D EPA 8270D/8270E
1,4-Dioxane	EPA 522 EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E ⁴	EPA 8260C/8260D EPA 8270D/8270E ⁴
1-Chlorohexane	EPA 8260D	EPA 8260B/8260D
2,2-Dichloropropane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
2-Butanone (Methyl Ethyl Ketone)	EPA 624.1 EPA 8015C/8015D EPA 8260C/8260D	EPA 8015C/8015D EPA 8260C/8260D
2-Chloroethyl vinyl ether	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
2-Chlorotoluene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
2-Hexanone	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
2-Nitropropane	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
2-Pentanone	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
4-Chlorotoluene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
4-Isopropyltoluene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
4-Methyl-2-pentanone	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Acetone	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Acetonitrile	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Acrolein (propanol)	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Acrylonitrile	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Allyl Chloride	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Benzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Benzyl chloride	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Bis(2-chloro-1 methyl-ethyl) ether	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E	EPA 8260C/8260D EPA 8270D/8270E
Bromobenzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Bromochloromethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Bromodichloromethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Bromoform	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Bromomethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D



<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Carbon disulfide	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Carbon tetrachloride	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Chlorobenzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Chloroethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Chloroform	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Chloromethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Chloroprene	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
cis-1,2-Dichloroethene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
cis-1,3-Dichloropropene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
cis-1,4-Dichloro-2-butene	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Cyclohexane	EPA 8260C/8260D	EPA 8260C/8260D
Cyclohexanone	EPA 8260C/8260D	EPA 8260C/8260D
Cyclohexene	EPA 8260B/8260D	EPA 8260B/8260D
Dibromochloromethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Dibromomethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Dichlorodifluoromethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Diethyl ether	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Ethyl Acetate	EPA 624.1 EPA 8015C/8015D EPA 8260C/8260D	EPA 8015C/8015D EPA 8260C/8260D
Ethyl Benzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Ethyl methacrylate	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Ethyl tert-butyl ether	EPA 8260D	EPA 8260B/8260D



<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Hexachlorobutadiene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E SM 6200B	EPA 8260C/8260D EPA 8270D/8270E
Hexane	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Iodomethane	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Isobutyl alcohol	EPA 624.1 EPA 8015B/8015C EPA 8260C/8260D	EPA 8260C/8260D
Isopropyl alcohol	EPA 8260B/8260D	EPA 8260B/8260D
Isopropylbenzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Isopropyl ether	EPA 8260D SM 6200B	EPA 8260D
m+p-Xylene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Methacrylonitrile	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Methyl acetate	EPA 8260C/8260D	EPA 8260C/8260D
Methyl methacrylate	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Methyl tert-amyl ether (TAME)	EPA 8260D	EPA 8260D
Methyl tert-butyl ether (MTBE)	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Methylcyclohexane	EPA 8260C/8260D	EPA 8260C/8260D
Methylene chloride	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Naphthalene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E ⁴ SM 6200B	EPA 8260C/8260D EPA 8270D/8270E ⁴
n-Butyl alcohol	EPA 624.1 EPA 8015C/8015D EPA 8260C/8260D	EPA 8015C/8015D EPA 8260C/8260D
n-Butylbenzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
n-Propylbenzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
o-Xylene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Pentachloroethane	EPA 624.1 EPA 8260C/8260D EPA 8270D/8270E	EPA 8260C/8260D EPA 8270D/8270E
Propionitrile	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Sec-Butylbenzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Styrene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
tert-Butyl Alcohol	EPA 8260C/8260D	EPA 8260C/8260D
tert-Butylbenzene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Tetrachloroethene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Tetrahydrofuran	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Toluene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
trans-1,2-Dichloroethene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
trans-1,3-Dichloropropene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
trans-1,4-Dichloro-2-butene	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Trichloroethene	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Trichlorofluoromethane	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Trihalomethanes	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Vinyl Acetate	EPA 624.1 EPA 8260C/8260D	EPA 8260C/8260D
Vinyl Chloride	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D
Xylenes, Total	EPA 624.1 EPA 8260C/8260D SM 6200B	EPA 8260C/8260D



Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste (Liquids and Solids)
<u>Semivolatile Compounds</u>		
1,2,4,5-Tetrachlorobenzene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
1,2,4-Trichlorobenzene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E SM 6200B	EPA 8260C/8260D EPA 8270D/8270E
1,2-Dichlorobenzene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E SM 6200B	EPA 8260C/8260D EPA 8270D/8270E
1,2-Diphenylhydrazine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
1,3,5-Trinitrobenzene	EPA 625.1 EPA 8330A/8330B ⁵ EPA 8270D/8270E	EPA 8330A/8330B ⁵ EPA 8270D/8270E
1,3-Dichlorobenzene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E SM 6200B	EPA 8260C/8260D EPA 8270D/8270E
1,3-Dinitrobenzene	EPA 625.1 EPA 8330A/8330B ⁵ EPA 8270D/8270E	EPA 8330A/8330B ⁵ EPA 8270D/8270E
1,4-Dichlorobenzene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E SM 6200B	EPA 8260C/8260D EPA 8270D/8270E
1,4-Dioxane	EPA 522 EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E	EPA 8260C/8260D EPA 8270D/8270E
1,4-Dinitrobenzene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
1,4-Naphthoquinone	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
1,4-Phenylenediamine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
1-Methylnaphthalene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
1-Naphthylamine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2,2-Dichlorobenzil	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2,3,4,6-Tetrachlorophenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E

Parameter/Analyte	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
2,3-Dichloroaniline	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2,4,5-Trichlorophenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2,4,6-Trichlorophenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2,4-Dichlorophenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2,4-Dimethylphenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2,4-Dinitrophenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2,4-Dinitrotoluene	EPA 625.1 EPA 8330A/8330B ⁵ EPA 8270D/8270E	EPA 8330A/8330B ⁵ EPA 8270D/8270E
2,6-Dichlorophenol	EPA 625.1/8270C/8270D/8270E	EPA 8270D/8270E
2,6-Dinitrotoluene	EPA 625.1 EPA 8330A/8330B ⁵ EPA 8270D/8270E	EPA 8330A/8330B ⁵ EPA 8270D/8270E
2-Acetylaminofluorene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2-Butoxyethanol	EPA 8270D/8270E	EPA 8270C/8070D/8270E
2-Chloronaphthalene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
2-Chlorophenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2-Ethoxyethanol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2-Methyl-4,6-Dinitrophenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2-Methylnaphthalene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E
2-Methylphenol (o-cresol)	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2-Naphthylamine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2-Nitroaniline	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2-Nitrophenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
2-Picoline (2-Methylpyridine)	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
3,3'-Dichlorobenzidine	EPA 625.1 EPA 8270C/8270D ⁴ /8270E	EPA 8270D/8270E
3,3'-Dimethylbenzidine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
3/4-Methylphenols(m/p cresols)	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
3-Methylcholanthrene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E

Parameter/Analyte	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
3-Nitroaniline	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
4,4-Dichlorodiphenyl sulfone	EPA 8270D/8270E	EPA 8270D/8270E
4-Aminobiphenyl	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
4-Bromophenyl phenyl ether	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
4-Chloro-3-methylphenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
4-Chloroaniline	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
4-Chlorophenyl phenyl ether	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
4-Nitroaniline	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
4-Nitrophenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
5-Nitro-o-toluidine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
7,12-Dimethylbenz(a)anthracene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Acenaphthene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Acenaphthylene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Acetophenone	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
alpha, alpha-Dimethylphenethylamine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
alpha-Terpineol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Aniline	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Anthracene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Aramite	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Atrazine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Benzaldehyde	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Benzidine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Benzo (a) anthracene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Benzo (a) pyrene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Benzo (b) fluoranthene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Benzo (ghi) perylene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴



Parameter/Analyte	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Benzo (k) fluoranthene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Benzoic acid	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Benzyl alcohol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Biphenyl	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Bis(2-chloroethoxy) methane	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Bis(2-chloroethyl) ether	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Bis(2-chloro-1 methyl-ethyl) ether	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Bis(2-ethylhexyl) phthalate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Butyl benzyl phthalate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Caprolactam	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Carbazole	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Chlorobenzilate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Chrysene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
cis-Diallate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Diallate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Dibenzo (a,e) pyrene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Dibenzo (a,h) anthracene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Dibenzofuran	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Diethyl phthalate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Dimethoate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Dimethyl phthalate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Di-n-butyl phthalate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Di-n-octyl phthalate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Dinoseb	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Diphenylamine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste (Liquids and Solids)
Disulfoton	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Ethyl Methacrylate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Ethyl Methanesulfonate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Famphur	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Fluoranthene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Fluorene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Hexachlorobenzene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Hexachlorobutadiene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E SM 6200B	EPA 8260C/8260D EPA 8270D/8270E
Hexachlorocyclopentadiene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Hexachloroethane	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Hexachlorophene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Indeno (1,2,3-cd) pyrene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Isodrin	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Isophorone	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Isosafrole	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Kepone	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Methapyrilene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Methyl methacrylate	EPA 8270D/8270E	EPA 8270D/8270E
Methyl methanesulfonate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Methyl parathion	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Methylene bis(2-chloroaniline)	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Naphthalene	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E ⁴ SM 6200B	EPA 8260C/8260D EPA 8270D/8270E ⁴



Parameter/Analyte	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Nitrobenzene	EPA 625.1 EPA 8330A EPA 8270D/8270E	EPA 8330A EPA 8270D/8270E
Nitroquinoline-1-oxide	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
n-Decane	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
n-Nitrosodiethylamine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
n-Nitrosodimethylamine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
n-Nitrosodimethylethylamine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
n-Nitrosodi-n-butylamine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
n-Nitrosodi-n-propylamine	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E
n-Nitrosodiphenylamine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
n-Nitrosomorpholine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
n-Nitrosopiperidine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
n-Nitrosopyrrolidine	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E
n-Octadecane	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
o,o,o-Triethyl phosphorothioate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
o-Toluidine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Parathion, ethyl	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
p-Dimethylaminoazobenzene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Pentachlorobenzene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Pentachloroethane	EPA 624.1 EPA 625.1 EPA 8260C/8260D EPA 8270D/8270E	EPA 8260C/8260D EPA 8270D/8270E
Pentachloronitrobenzene	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Pentachlorophenol	EPA 625.1 EPA 8151A EPA 8270D/8270E	EPA 8151A EPA 8270D/8270E
Phenacetin	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Phenanthrene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴

Parameter/Analyte	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Phenol	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Phorate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Prometon	EPA 625.1 EPA 8270D/8270E	EPA 625.1 EPA 8270D/8270E
Pronamide (Kerb)	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Pyrene	EPA 625.1 EPA 8270D/8270E ⁴	EPA 8270D/8270E ⁴
Pyridine	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Safrole	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Sulfolane	EPA 625.1 EPA 8270D/8270E	EPA 625.1 EPA 8270D/8270E
Sulfotepp	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Thionazin (Zinophos)	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
trans-Diallate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
Tributyl Phosphate	EPA 625.1 EPA 8270D/8270E	EPA 8270D/8270E
<u>Pesticides & PCBs</u>		
2,4'-DDD	EPA 8081B	EPA 8081B
2,4'-DDE	EPA 8081B	EPA 8081B
2,4'-DDT	EPA 8081B	EPA 8081B
4,4'-DDT	EPA 608.3 EPA 8081B	EPA 8081B
4,4'-DDD	EPA 608.3 EPA 8081B	EPA 8081B
4,4'-DDE	EPA 608.3 EPA 8081B	EPA 8081B
Aldrin	EPA 608.3 EPA 8081B	EPA 8081B
alpha-BHC	EPA 608.3 EPA 8081B	EPA 8081B
beta-BHC	EPA 608.3 EPA 8081B	EPA 8081B
Chlordane (N.O.S)	EPA 608.3 EPA 8081B	EPA 8081B
cis-Chlordane (alpha-Chlordane)	EPA 608.3 EPA 8081B	EPA 8081B
cis-Nonachlor	EPA 8081B	EPA 8081B
delta-BHC	EPA 608.3 EPA 8081B	EPA 8081B
Dieldrin	EPA 608.3 EPA 8081B	EPA 8081B
Endosulfan sulfate	EPA 608.3 EPA 8081B	EPA 8081B



Parameter/Analyte	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Endosulfan I	EPA 608.3 EPA 8081B	EPA 8081B
Endosulfan II	EPA 608.3 EPA 8081B	EPA 8081B
Endrin	EPA 608.3 EPA 8081B	EPA 8081B
Endrin aldehyde	EPA 608.3 EPA 8081B	EPA 8081B
Endrin ketone	EPA 608.3 EPA 8081B	EPA 8081B
gamma-BHC	EPA 608.3 EPA 8081B	EPA 8081B
Heptachlor	EPA 608.3 EPA 8081B	EPA 8081B
Heptachlor epoxide	EPA 608.3 EPA 8081B	EPA 8081B
Hexachlorobenzene	EPA 8081B	EPA 8081B
Methoxychlor	EPA 608.3 EPA 8081B	EPA 8081B
Mirex	EPA 8081B	EPA 8081B
Oxychlordane	EPA 8081B	EPA 8081B
Toxaphene	EPA 608.3 EPA 8081B	EPA 8081B
trans-Chlordane	EPA 608.3 EPA 8081B	EPA 8081B
trans-Nonachlor	EPA 8081B	EPA 8081B
PCB-1016 (Aroclor)	EPA 608.3 EPA 8082A	EPA 8082A
PCB-1221	EPA 608.3 EPA 8082A	EPA 8082A
PCB-1232	EPA 608.3 EPA 8082A	EPA 8082A
PCB-1242	EPA 608.3 EPA 8082A	EPA 8082A
PCB-1248	EPA 608.3 EPA 8082A	EPA 8082A
PCB-1254	EPA 608.3 EPA 8082A	EPA 8082A
PCB-1260	EPA 608.3 EPA 8082A	EPA 8082A
PCB-1262	EPA 608.3 EPA 8082A	EPA 8082A
PCB-1268	EPA 608.3 EPA 8082A	EPA 8082A
Total Aroclors	EPA 608.3 EPA 8082A	EPA 8082A
<u>FID Compounds</u>		
1,1,1-Trichloroethane	EPA 8015C/8015D	EPA 8015C/8015D



Parameter/Analyte	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
2-Butanone (Methyl Ethyl Ketone)	EPA 624.1 EPA 8015C/8015D EPA 8260C/8260D SM 6200B	EPA 8015C/8015D EPA 8260C/8260D
4-Methyl-2-Pentanone	EPA 8015C/8015D	EPA 8015C/8015D
Acetone	EPA 8015C/8015D	EPA 8015C/8015D
Benzene	EPA 8015C/8015D	EPA 8015C/8015D
Chloroform	EPA 8015C/8015D	EPA 8015C/8015D
Diesel Range Organics (DRO)	EPA 8015C/8015D	EPA 8015C/8015D
DRO/Motor Oil (DRO/ORO)	EPA 8015C/8015D	EPA 8015C/8015D
Diethylene glycol	EPA 8015C/8015D	EPA 8015C/8015D
Ethanol	EPA 8015C/8015D	EPA 8015C/8015D
Ethyl acetate	EPA 624.1 EPA 8015C/8015D EPA 8260C/8260D	EPA 8015C/8015D EPA 8260C/8260D
Ethylbenzene	EPA 8015C/8015D	EPA 8015C/8015D
Ethylene glycol	EPA 8015C/8015D	EPA 8015C/8015D
Gas Range Organics (GRO)	EPA 8015C/8015D	EPA 8015C/8015D
Kerosene	EPA 8015C/8015D	EPA 8015C/8015D
Isobutyl alcohol	EPA 624.1 EPA 8015C/8015D EPA 8260C/8260D	EPA 8015C/8015D EPA 8260C/8260D
Isopropyl alcohol (2-Propanol)	EPA 8015C/8015D	EPA 8015C/8015D
m, p-Xylenes	EPA 8015C/8015D	EPA 8015C/8015D
Methanol	EPA 8015C/8015D	EPA 8015C/8015D
Methylene chloride	EPA 8015C/8015D	EPA 8015C/8015D
n-Butyl alcohol	EPA 624.1 EPA 8015C/8015D EPA 8260C/8260D	EPA 8015C/8015D EPA 8260C/8260D
o-Xylene	EPA 8015C/8015D	EPA 8015C/8015D
Propylene glycol	EPA 8015C/8015D	EPA 8015C/8015D
Toluene	EPA 8015C/8015D	EPA 8015C/8015D
Triethylene glycol	EPA 8015C/8015D	EPA 8015C/8015D
Volatile Petroleum Products	NWTPH-Gx(WDOE)	NWTPH-Gx(WDOE)
Semi-Volatile Petroleum Products	NWTPH-Dx(WDOE)	NWTPH-Dx(WDOE)
C8-C10 Aliphatic, Aromatic EPH	WDOE EPH	WDOE EPH
>C10-C12 Aliphatic, Aromatic EPH	WDOE EPH	WDOE EPH
>C12-C16 Aliphatic, Aromatic EPH	WDOE EPH	WDOE EPH
>C16-C21 Aliphatic, Aromatic EPH	WDOE EPH	WDOE EPH
>C21-C34 Aliphatic, Aromatic EPH	WDOE EPH	WDOE EPH
Alaska GRO	AK-101 (GRO)	AK-101 (GRO)
Alaska DRO	AK-102 (DRO)	AK-102 (DRO)
Alaska RRO	AK-103 (RRO)	AK-103 (RRO)
EPH Aliphatic C9-C18	MADEP EPH	MADEP EPH
EPH Aliphatic C19-C36	MADEP EPH	MADEP EPH
EPH Aromatic C11-C22 Unadjusted	MADEP EPH	MADEP EPH

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
<u>Nitrosamines, Nitroaromatics</u>	8330A is by either LC/MS/MS or HPLC. 8330B is by LC/MS/MS	
1,3,5-Trinitrobenzene	EPA 625.1 EPA 8330A/8330B ⁵ EPA 8270D/8270E	EPA 8330A/8330B ⁵ EPA 8270D/8270E
1,3-Dinitrobenzene	EPA 625.1 EPA 8330A/8330B ⁵ EPA 8270D/8270E	EPA 8330A/8330B ⁵ EPA 8270D/8270E
2,4,6-Trinitrotoluene	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
2,4-Dinitrotoluene	EPA 625.1 EPA 8330A/8330B ⁵ EPA 8270D/8270E	EPA 8330A/8330B ⁵ EPA 8270D/8270E
2,6-Dinitrotoluene	EPA 625.1 EPA 8330A/8330B ⁵ EPA 8270D/8270E	EPA 8330A/8330B ⁵ EPA 8270D/8270E
2-Amino-4,6-Dinitrotoluene	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
2-Nitrotoluene	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
<u>Nitrosamines, Nitroaromatics</u>	8330B is by LC/MS/MS. 8330A is by either LC/MS/MS or HPLC.	
3,5-Dinitroaniline	EPA 8330B ⁵	EPA 8330B ⁵
3-Nitrotoluene	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
4-Amino-2,6-Dinitrotoluene	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
4-Nitrotoluene	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
Nitrobenzene	EPA 625.1 EPA 8330A/8330B ⁵ EPA 8270D/8270E	EPA 8330A/8330B ⁵ EPA 8270D/8270E
Nitroglycerin	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX)	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
Pentaerythritoltetranitrate (PETN)	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
Tetryl (methyl-2,4,6- trinitrophenylnitramine)	EPA 8330A/8330B ⁵	EPA 8330A/8330B ⁵
<u>Dissolved Gases by FID</u>		
Ethane	RSK 175	-----
Ethene	RSK 175	-----
Methane	RSK 175	-----
<u>Herbicides</u>		
2,4-D	EPA 8151A	EPA 8151A
2,4-DB	EPA 8151A	EPA 8151A
Dalapon	EPA 8151A	EPA 8151A
Dicamba	EPA 8151A	EPA 8151A
Dichloroprop	EPA 8151A	EPA 8151A
Dinoseb	EPA 625.1 EPA 8151A EPA 8270D/8270E	EPA 8151A EPA 8270D/8270E
MCPA	EPA 8151A	EPA 8151A
MCPP	EPA 8151A	EPA 8151A
2,4,5-T	EPA 8151A	EPA 8151A

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
2,4,5-TP (Silvex)	EPA 8151A	EPA 8151A
Pentachlorophenol	EPA 8151A EPA 8270D/8270E	EPA 8151A EPA 8270D/8270E
<u>Radiochemistry</u>		
Barium 133	DOE 4.5.2.3	DOE 4.5.2.3
Cesium 134	EPA 901.1 DOE 4.5.2.3	DOE 4.5.2.3
Cesium 137	EPA 901.1 DOE 4.5.2.3	DOE 4.5.2.3
Cobalt-60	EPA 901.1 DOE 4.5.2.3	DOE 4.5.2.3
Gamma Emitters	EPA 901.1 DOE 4.5.2.3	DOE 4.5.2.3
Gross Alpha	EPA 900.0 EPA 9310	EPA 9310
Gross Beta	EPA 900.0 EPA 9310	EPA 9310
Radioactive Iodine	EPA 901.1 EPA 902.0 DOE 4.5.2.3	DOE 4.5.2.3
Radium-226	EPA 903.1 DOE Ra-04	DOE Ra-04
Radium-228	EPA 904.0 EPA 9320 DOE 4.5.2.3	EPA 9320 DOE 4.5.2.3
Total Alpha Radium	EPA 903.0 EPA 9315	EPA 9315
Radon-222	SM 7500 Rn-B	-----
Strontium-89	EPA 905.0 DOE Sr-01	DOE Sr-01
Strontium-90	EPA 905.0 DOE Sr-02	DOE Sr-02
Thorium	EMSL-LV	EMSL-LV
Tritium	EPA 906.0	EPA 906.0 Modified
Uranium	EPA 200.8 EPA 6020A ASTM D5174-02/97 DOE U-02	EPA 6020/6020A DOE U-02
Zinc-65	EPA 901.1 DOE 4.5.2.3	DOE 4.5.2.3
<u>Preparatory and Clean-up Methods</u>		
Toxicity Characteristic Leaching Procedure (Inorganics, Extractable Organics, Volatile Organics)	EPA 1311	EPA 1311
Synthetic Precipitation Leaching Procedure	EPA 1312	EPA 1312
Waste Extraction Test (W.E.T.)	CCR Ch. 11, Article 5, Appendix II	CCR Ch. 11, Article 5, Appendix II
Anion Preparation	EPA 9056A ³	EPA 9056A ³

<u>Parameter/Analyte</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>
Cyanide Distillation	EPA 9010B/9010C SM 4500CN ¹ C	EPA 9010B/9010C ³
Sulfide Distillation	EPA 9030B	EPA 9030B
Metals Digestion	EPA 200.2 EPA 3005A EPA 3010A	EPA 3050B
Alkaline Digestion for Hex Chromium	-----	EPA 3060A
Bomb Preparation for Solid Waste	-----	EPA 5050
Mercury Preparation	EPA 245.1/245.2 EPA 7470/7470A	EPA 7471A/7471B
Separatory Funnel Liquid-Liquid Extraction	EPA 3510C	-----
Solid Phase Extraction	EPA 3535A	EPA 3535A (Liquid)
Automated Soxhlet Extraction	-----	EPA 3541
Ultrasonic Extraction	-----	EPA 3550C
Waste Dilution	-----	EPA 3580A
Waste Dilution for Volatile Organics	-----	EPA 3585
Purge and Trap for Volatile Organics	EPA 5030A/5030B/5030C	EPA 5030A EPA 5035/5035A/5035H/5035L
Alumina Clean-up	-----	EPA 3610B EPA 3611B
Florisil Clean-up	EPA 3620B/3260C	EPA 3620B/3620C
Silica Gel Clean-up	-----	EPA 3630C
Gel Permeation Clean-up	-----	EPA 3640A
Sulfur Clean-up	EPA 3660B	EPA 3660B
Sulfuric Acid/Permanganate Clean-up	EPA 3665A	EPA 3665A

¹ Calculated from silica determination

² Applicable only to liquid 'Solid Hazardous Waste', where liquids may include aqueous, non-aqueous, and oily wastes. Solids may include soils, sediments, sludges, tissues, filters and any matrix deemed non-liquid.

³ The referenced method is modified to include a simple prep for non-aqueous and/or solid matrix samples.

⁴ The analytes may be determined by Selective Ion Monitoring (SIM) using either 8270C or 8270D.

⁵ 8330B analysis is performed on LC/MS/MS. 8330A may be performed on either LC/MS/MS or HPLC.

<u>Drinking Water Organics</u>	<u>Drinking Water</u>
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
1,2 Dibromoethane (EDB)	EPA 504.1
1,2,3-Trichloropropane	EPA 504.1
1,4-Dioxane	EPA 522
<u>Cannabinoids</u>	<u>Hemp Vegetation, Oils, and Solids</u>
Cannabidiol (CBD)	GEL SOP GL-OA -E-078
Cannabidiolic Acid (CBDA)	GEL SOP GL-OA -E-078
delta-9-Tetrahydrocannabinol (delta-9-THC)	GEL SOP GL-OA -E-078
delta-9-Tetrahydrocannabinolic acid (delta-9-THCA)	GEL SOP GL-OA -E-078
Cannabinol (CBN)	GEL SOP GL-OA -E-078
delta-8-Tetrahydrocannabinol (delta-8-THC)	GEL SOP GL-OA -E-078
Tetrahydrocannabivarin (THCV)	GEL SOP GL-OA -E-078
Cannabigerol (CBG)	GEL SOP GL-OA -E-078
Cannabichromene (CBC)	GEL SOP GL-OA -E-078
Cannabigerolic Acid	GEL SOP GL-OA -E-078

Additionally, in recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the 2009 and 2016 TNI Environmental Testing Laboratory Standard Requirements), accreditation is granted to this laboratory to perform the following bioassay analyses on bone, tissue, urine, fecal, and nasal swabs:

<u>Bioassay Analysis(s)</u>	<u>Preparation SOP(s)</u>	<u>Analytical SOP(s)</u>
<u>Alpha Spectrometry:</u> Alpha: Am-241, Cm-242, Cm-243/244, Cm 245/246, Cf-252, Np-237, Po-208, Po-209, Po-210, Pu-236, Pu-238, Pu-239/240, Pu-242, Pu-244, Ra-224, Ra-226, Th-228, Th-229, Th-230, Th-232, U-232, U-233/234, U-235/236, U-238	GL-RAD-B-001, GL-RAD-B-002, GL-RAD-B-010, GL-RAD-B-012, GL-RAD-B-013, GL-RAD-B-038, GL-RAD-B-040, GL-RAD-B-041 GL-RAD-B-042	GL-RAD-B-009
<u>Liquid Scintillation Spectrometry:</u> C-14, Fe-55, Gross Alpha, H-3, Ni-59, Ni-63, Pu-241, Tc-99	GL-RAD-B-001, GL-RAD-B-008, GL-RAD-B-011, GL-RAD-B-012, GL-RAD-B-013, GL-RAD-B-016, GL-RAD-B-020, GL-RAD-B-023, GL-RAD-B-039	GL-RAD-I-004, GL-RAD-I-014, GL-RAD-I-017
<u>Gas Flow Proportional Counting:</u> Beta: Sr-90	GL-RAD-B-001	GL-RAD-I-006, GL-RAD-I-015, GL-RAD-I-016
Gross Alpha/Gross Beta	GL-RAD-B-022	GL-RAD-I-006
<u>Radon Emanation:</u> Ra-226	GL-RAD-B-002	GL-RAD-I-007
<u>Refractometer:</u> Specific Gravity	GL-RAD-B-027	GL-RAD-B-027
<u>ICP-MS:</u> Uranium Isotopes (U-233, U-234, U-235, U-236, U-238), Th-230	GL-RAD-B-001, GL-RAD-B-035	GL-RAD-B-034
<u>Gamma Spectrometry:</u> Gamma: I-129, I-131, Ni-59, 46 to 1836 keV	GL-RAD-B-020, GL-RAD-A-013, GL-RAD-B-029, GL-RAD-B-030	GL-RAD-I-001

⁶HASQARD Reviewed Laboratory



Accredited Laboratory

A2LA has accredited

GEL LABORATORIES, LLC

Charleston, SC

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 and 2016 TNI Environmental Testing Laboratory Standard, 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/DOE 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 16th day of June 2021.

A blue ink signature of a person, likely the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2567.01
Valid to June 30, 2023

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