



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Energy Laboratories, Inc.
1120 South 27th Street
Billings, Montana 59101
(and satellite site as shown on the scope)

Fulfills the requirements of

ISO/IEC 17025:2017

and

U.S. Department of Defense (DoD) Quality Systems Manual
for Environmental Laboratories (DoD QSM V5.4)

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 31 May 2024

Certificate Number: ADE-2588



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

and

**U.S. Department of Defense (DoD) Quality Systems Manual for
Environmental Laboratories (DoD QSM V5.4)**

Energy Laboratories, Inc. – Billings, MT

1120 South 27th Street
Billings, Montana 59101
Leigh Ann Wise
406-252-6325

TESTING

Valid to: **May 31, 2024**

Certificate Number: **ADE-2588**

Environmental

Non-Potable Water		
Technology	Method	Analyte
UV-VIS	ASTM D2036-09C	Weak acid dissociable cyanide
Hydrometer	ASTM D1429-02	Specific Gravity
GC-PID	AK101 GRO	Gasoline range organics (GRO)
GC-FID	AK102 DRO	Diesel range organics (DRO)
GC-FID	AK102/AK103 RRO	Residual range organics (RRO)
Thermal decomposition AA	EPA 7473	Mercury
ICP-AES	EPA 200.7	Aluminum
ICP-AES	EPA 200.7	Antimony
ICP-AES	EPA 200.7	Arsenic
ICP-AES	EPA 200.7	Barium
ICP-AES	EPA 200.7	Beryllium
ICP-AES	EPA 200.7	Boron
ICP-AES	EPA 200.7	Cadmium
ICP-AES	EPA 200.7	Calcium



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Non-Potable Water		
Technology	Method	Analyte
ICP-AES	EPA 200.7	Chromium
ICP-AES	EPA 200.7	Cobalt
ICP-AES	EPA 200.7	Copper
ICP-AES	EPA 200.7	Iron
ICP-AES	EPA 200.7	Lead
ICP-AES	EPA 200.7	Lithium
ICP-AES	EPA 200.7	Magnesium
ICP-AES	EPA 200.7	Manganese
ICP-AES	EPA 200.7	Nickel
ICP-AES	EPA 200.7	Phosphorus, total
ICP-AES	EPA 200.7	Potassium
ICP-AES	EPA 200.7	Selenium
ICP-AES	EPA 200.7	Silica as SiO ₂
ICP-AES	EPA 200.7	Silicon
ICP-AES	EPA 200.7	Silver
ICP-AES	EPA 200.7	Sodium
ICP-AES	EPA 200.7	Strontium
ICP-AES	EPA 200.7	Thallium
ICP-AES	EPA 200.7	Tin
ICP-AES	EPA 200.7	Titanium
ICP-AES	EPA 200.7	Vanadium
ICP-AES	EPA 200.7	Zinc
ICP-MS	EPA 200.8	Aluminum
ICP-MS	EPA 200.8	Antimony
ICP-MS	EPA 200.8	Arsenic
ICP-MS	EPA 200.8	Barium
ICP-MS	EPA 200.8	Beryllium
ICP-MS	EPA 200.8	Boron
ICP-MS	EPA 200.8	Cadmium

Non-Potable Water		
Technology	Method	Analyte
ICP-MS	EPA 200.8	Calcium
ICP-MS	EPA 200.8	Chromium
ICP-MS	EPA 200.8	Cobalt
ICP-MS	EPA 200.8	Copper
ICP-MS	EPA 200.8	Iron
ICP-MS	EPA 200.8	Lead
ICP-MS	EPA 200.8	Magnesium
ICP-MS	EPA 200.8	Manganese
ICP-MS	EPA 200.8	Mercury
ICP-MS	EPA 200.8	Molybdenum
ICP-MS	EPA 200.8	Nickel
ICP-MS	EPA 200.8	Potassium
ICP-MS	EPA 200.8	Selenium
ICP-MS	EPA 200.8	Silver
ICP-MS	EPA 200.8	Sodium
ICP-MS	EPA 200.8	Strontium
ICP-MS	EPA 200.8	Thallium
ICP-MS	EPA 200.8	Tin
ICP-MS	EPA 200.8	Titanium
ICP-MS	EPA 200.8	Uranium
ICP-MS	EPA 200.8	Vanadium
ICP-MS	EPA 200.8	Zinc
CVAAS	EPA 245.1	Mercury
UV/VIS	EPA 335.4	Total cyanide
UV/VIS	EPA 350.1	Ammonia as N
UV/VIS	EPA 351.2	Kjeldahl nitrogen - total
UV/VIS	EPA 353.2	Nitrate as N
UV/VIS	EPA 353.2	Nitrite as N
UV/VIS	EPA 353.2	Total nitrate-nitrite

Non-Potable Water		
Technology	Method	Analyte
UV/VIS	EPA 365.1	Orthophosphate as P
UV/VIS	EPA 365.1	Phosphorus, total
UV/VIS	EPA 410.4	Chemical oxygen demand
UV/VIS	EPA 420.4	Total phenolics
ICP-AES	EPA 6010B; EPA 6010D	Aluminum
ICP-AES	EPA 6010B; EPA 6010D	Antimony
ICP-AES	EPA 6010B; EPA 6010D	Arsenic
ICP-AES	EPA 6010B; EPA 6010D	Barium
ICP-AES	EPA 6010B; EPA 6010D	Beryllium
ICP-AES	EPA 6010B; EPA 6010D	Boron
ICP-AES	EPA 6010B; EPA 6010D	Cadmium
ICP-AES	EPA 6010B; EPA 6010D	Calcium
ICP-AES	EPA 6010B; EPA 6010D	Chromium
ICP-AES	EPA 6010B; EPA 6010D	Cobalt
ICP-AES	EPA 6010B; EPA 6010D	Copper
ICP-AES	EPA 6010B; EPA 6010D	Iron
ICP-AES	EPA 6010B; EPA 6010D	Lead
ICP-AES	EPA 6010B; EPA 6010D	Lithium
ICP-AES	EPA 6010B; EPA 6010D	Magnesium
ICP-AES	EPA 6010B; EPA 6010D	Manganese
ICP-AES	EPA 6010B; EPA 6010D	Molybdenum
ICP-AES	EPA 6010B; EPA 6010D	Nickel
ICP-AES	EPA 6010B; EPA 6010D	Phosphorus, total
ICP-AES	EPA 6010B; EPA 6010D	Potassium
ICP-AES	EPA 6010B; EPA 6010D	Selenium
ICP-AES	EPA 6010B; EPA 6010D	Silicon
ICP-AES	EPA 6010B; EPA 6010D	Silver
ICP-AES	EPA 6010B; EPA 6010D	Sodium
ICP-AES	EPA 6010B; EPA 6010D	Strontium

Non-Potable Water		
Technology	Method	Analyte
ICP-AES	EPA 6010B; EPA 6010D	Thallium
ICP-AES	EPA 6010B; EPA 6010D	Tin
ICP-AES	EPA 6010B; EPA 6010D	Titanium
ICP-AES	EPA 6010B; EPA 6010D	Vanadium
ICP-AES	EPA 6010B; EPA 6010D	Zinc
ICP-MS	EPA 6020; EPA 6020B	Aluminum
ICP-MS	EPA 6020; EPA 6020B	Antimony
ICP-MS	EPA 6020; EPA 6020B	Arsenic
ICP-MS	EPA 6020; EPA 6020B	Barium
ICP-MS	EPA 6020; EPA 6020B	Beryllium
ICP-MS	EPA 6020; EPA 6020B	Boron
ICP-MS	EPA 6020; EPA 6020B	Cadmium
ICP-MS	EPA 6020; EPA 6020B	Calcium
ICP-MS	EPA 6020; EPA 6020B	Chromium
ICP-MS	EPA 6020; EPA 6020B	Cobalt
ICP-MS	EPA 6020; EPA 6020B	Copper
ICP-MS	EPA 6020; EPA 6020B	Iron
ICP-MS	EPA 6020; EPA 6020B	Lead
ICP-MS	EPA 6020; EPA 6020B	Magnesium
ICP-MS	EPA 6020; EPA 6020B	Manganese
ICP-MS	EPA 6020; EPA 6020B	Molybdenum
ICP-MS	EPA 6020; EPA 6020B	Nickel
ICP-MS	EPA 6020; EPA 6020B	Palladium
ICP-MS	EPA 6020; EPA 6020B	Potassium
ICP-MS	EPA 6020; EPA 6020B	Selenium
ICP-MS	EPA 6020; EPA 6020B	Silver
ICP-MS	EPA 6020; EPA 6020B	Sodium
ICP-MS	EPA 6020; EPA 6020B	Strontium
ICP-MS	EPA 6020; EPA 6020B	Thallium

Non-Potable Water		
Technology	Method	Analyte
ICP-MS	EPA 6020; EPA 6020B	Thorium
ICP-MS	EPA 6020; EPA 6020B	Tin
ICP-MS	EPA 6020; EPA 6020B	Titanium
ICP-MS	EPA 6020; EPA 6020B	Uranium
ICP-MS	EPA 6020; EPA 6020B	Vanadium
ICP-MS	EPA 6020; EPA 6020B	Zinc
UV-VIS	EPA 7196A	Chromium VI
CVAAS	EPA 7470A	Mercury
GC-ECD	EPA 8011	1,2,3-Trichloropropane
GC-ECD	EPA 8011	1,2-Dibromo-3-chloropropane (DBCP)
GC-ECD	EPA 8011	1,2-Dibromoethane (EDB, Ethylene dibromide)
GC-FID	EPA 8015C	Diesel range organics (DRO)
GC-FID	EPA 8015C	Gasoline range organics (GRO)
GC-FID	EPA 8015C	Oil range organics
GC-ELCD-PID	EPA 8021B	Benzene
GC-ELCD-PID	EPA 8021B	Ethylbenzene
GC-ELCD-PID	EPA 8021B	m/p-Xylenes
GC-ELCD-PID	EPA 8021B	Methyl tert-butyl ether (MTBE)
GC-ELCD-PID	EPA 8021B	Naphthalene
GC-ELCD-PID	EPA 8021B	o-Xylene
GC-ELCD-PID	EPA 8021B	Toluene
GC-ELCD-PID	EPA 8021B	Xylene (total)
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Benzo(a)pyrene
GC-MS	EPA 8260B; EPA 8260D	1,1,1,2-Tetrachloroethane
GC-MS	EPA 8260B; EPA 8260D	1,1,1-Trichloroethane
GC-MS	EPA 8260B; EPA 8260D	1,1,2,2-Tetrachloroethane
GC-MS	EPA 8260B; EPA 8260D	1,1,2-Trichloroethane
GC-MS	EPA 8260B; EPA 8260D	1,1-Dichloroethane
GC-MS	EPA 8260B; EPA 8260D	1,1-Dichloroethylene

Non-Potable Water		
Technology	Method	Analyte
GC-MS	EPA 8260B; EPA 8260D	1,1-Dichloropropene
GC-MS	EPA 8260B; EPA 8260D	1,2,3-Trichlorobenzene
GC-MS	EPA 8260B; EPA 8260D	1,2,4-Trichlorobenzene
GC-MS	EPA 8260B; EPA 8260D	1,2,3-Trichloropropane
GC-MS	EPA 8260B; EPA 8260D	1,2,4-Trimethylbenzene
GC-MS	EPA 8260B; EPA 8260D	1,2-Dibromo-3-chloropropane (DBCP)
GC-MS	EPA 8260B; EPA 8260D	1,2-Dibromoethane (EDB, Ethylene dibromide)
GC-MS	EPA 8260B; EPA 8260D	1,2-Dichlorobenzene
GC-MS	EPA 8260B; EPA 8260D	1,2-Dichloroethane
GC-MS	EPA 8260B; EPA 8260D	1,2-Dichloropropane
GC-MS	EPA 8260B; EPA 8260D	1,3,5-Trimethylbenzene
GC-MS	EPA 8260B; EPA 8260D	1,3-Dichlorobenzene
GC-MS	EPA 8260B; EPA 8260D	1,3-Dichloropropane
GC-MS	EPA 8260B; EPA 8260D	1,4-Dichlorobenzene
GC-MS	EPA 8260B; EPA 8260D	2,2-Dichloropropane
GC-MS	EPA 8260B; EPA 8260D	2-Butanone (Methyl ethyl ketone, MEK)
GC-MS	EPA 8260B; EPA 8260D	2-Chloroethyl vinyl ether
GC-MS	EPA 8260B; EPA 8260D	2-Chlorotoluene
GC-MS	EPA 8260B; EPA 8260D	2-Hexanone
GC-MS	EPA 8260B; EPA 8260D	4-Chlorotoluene
GC-MS	EPA 8260B; EPA 8260D	4-Methyl-2-pentanone (MIBK)
GC-MS	EPA 8260B; EPA 8260D	Acetone
GC-MS	EPA 8260B; EPA 8260D	Acetonitrile
GC-MS	EPA 8260B; EPA 8260D	Acrolein (Propenal)
GC-MS	EPA 8260B; EPA 8260D	Acrylonitrile
GC-MS	EPA 8260B; EPA 8260D	Allyl chloride (3-Chloropropene)
GC-MS	EPA 8260B; EPA 8260D	Benzene
GC-MS	EPA 8260B; EPA 8260D	Bromobenzene
GC-MS	EPA 8260B; EPA 8260D	Bromochloromethane

Non-Potable Water		
Technology	Method	Analyte
GC-MS	EPA 8260B; EPA 8260D	Bromodichloromethane
GC-MS	EPA 8260B; EPA 8260D	Bromoform
GC-MS	EPA 8260B; EPA 8260D	Carbon disulfide
GC-MS	EPA 8260B; EPA 8260D	Carbon tetrachloride
GC-MS	EPA 8260B; EPA 8260D	Chlorobenzene
GC-MS	EPA 8260B; EPA 8260D	Chloroethane
GC-MS	EPA 8260B; EPA 8260D	Chloroform
GC-MS	EPA 8260B; EPA 8260D	Chloroprene
GC-MS	EPA 8260B; EPA 8260D	cis-1,2-Dichloroethylene
GC-MS	EPA 8260B; EPA 8260D	cis-1,3-Dichloropropene
GC-MS	EPA 8260B; EPA 8260D	Dibromochloromethane
GC-MS	EPA 8260B; EPA 8260D	Dibromomethane
GC-MS	EPA 8260B; EPA 8260D	Dichlorodifluoromethane
GC-MS	EPA 8260B; EPA 8260D	Diethyl ether
GC-MS	EPA 8260B; EPA 8260D	Ethyl acetate
GC-MS	EPA 8260B; EPA 8260D	Ethyl methacrylate
GC-MS	EPA 8260B; EPA 8260D	Ethylbenzene
GC-MS	EPA 8260B; EPA 8260D	Hexachlorobutadiene
GC-MS	EPA 8260B; EPA 8260D	Iodomethane (Methyl iodide)
GC-MS	EPA 8260B; EPA 8260D	Isobutyl alcohol (2-Methyl-1-propanol)
GC-MS	EPA 8260B; EPA 8260D	Isopropylbenzene
GC-MS	EPA 8260B; EPA 8260D	m/p-Xylenes
GC-MS	EPA 8260B; EPA 8260D	Methacrylonitrile
GC-MS	EPA 8260B; EPA 8260D	Methyl bromide (Bromomethane)
GC-MS	EPA 8260B; EPA 8260D	Methyl chloride (Chloromethane)
GC-MS	EPA 8260B; EPA 8260D	Methyl methacrylate
GC-MS	EPA 8260B; EPA 8260D	Methyl tert-butyl ether (MTBE)
GC-MS	EPA 8260B; EPA 8260D	Methylene chloride
GC-MS	EPA 8260B; EPA 8260D	Naphthalene

Non-Potable Water		
Technology	Method	Analyte
GC-MS	EPA 8260B; EPA 8260D	n-Butylbenzene
GC-MS	EPA 8260B; EPA 8260D	n-Propylbenzene
GC-MS	EPA 8260B; EPA 8260D	o-Xylene
GC-MS	EPA 8260B; EPA 8260D	p-Dioxane
GC-MS	EPA 8260B; EPA 8260D	Pentachloroethane
GC-MS	EPA 8260B; EPA 8260D	p-Isopropyltoluene
GC-MS	EPA 8260B; EPA 8260D	Propionitrile (Ethyl cyanide)
GC-MS	EPA 8260B; EPA 8260D	sec-Butylbenzene
GC-MS	EPA 8260B; EPA 8260D	Styrene
GC-MS	EPA 8260B; EPA 8260D	tert-Butylbenzene
GC-MS	EPA 8260B; EPA 8260D	Tetrachloroethylene (Perchloroethylene)
GC-MS	EPA 8260B; EPA 8260D	Toluene
GC-MS	EPA 8260B; EPA 8260D	trans-1,2-Dichloroethylene
GC-MS	EPA 8260B; EPA 8260D	trans-1,3-Dichloropropene
GC-MS	EPA 8260B; EPA 8260D	trans-1,4-Dichloro-2-butene
GC-MS	EPA 8260B; EPA 8260D	Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113)
GC-MS	EPA 8260B; EPA 8260D	Trichloroethene (Trichloroethylene)
GC-MS	EPA 8260B; EPA 8260D	Trichlorofluoromethane
GC-MS	EPA 8260B; EPA 8260D	Vinyl acetate
GC-MS	EPA 8260B; EPA 8260D	Vinyl chloride
GC-MS	EPA 8260B; EPA 8260D	Xylene (total)
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	1-Methylnaphthalene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	2-Methylnaphthalene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Acenaphthene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Acenaphthylene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Anthracene

Non-Potable Water		
Technology	Method	Analyte
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Benzo(a)anthracene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Benzo(b)fluoranthene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Benzo(g,h,i)perylene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Benzo(k)fluoranthene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Chrysene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Dibenzo(a,h)anthracene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Fluoranthene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Fluorene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Indeno(1,2,3-cd)pyrene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Naphthalene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Phenanthrene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270E SIM	Pyrene
UV-VIS	EPA 9012B	Total cyanide
ISE	EPA 9040C	pH (Corrosivity)
IC-COND	EPA 9056A	Bromide
IC-COND	EPA 9056A	Chloride
IC-COND	EPA 9056A	Fluoride
IC-COND	EPA 9056A	Nitrate as N
IC-COND	EPA 9056A	Nitrite as N
IC-COND	EPA 9056A	Sulfate
IC-COND	EPA 9056A	Total nitrate plus-nitrite as N
UV/VIS	Kelada-01	Total cyanide
GC-PID	MADEP VPH	Benzene
GC-PID	MADEP VPH	C5 to C8 Aliphatics

Non-Potable Water		
Technology	Method	Analyte
GC-PID	MADEP VPH	C9 to C10 Aromatics
GC-PID	MADEP VPH	C9 to C12 Aliphatics
GC-PID	MADEP VPH	Ethylbenzene
GC-PID	MADEP VPH	m/p-Xylenes
GC-PID	MADEP VPH	Methyl tert-butyl ether (MTBE)
GC-PID	MADEP VPH	Naphthalene
GC-PID	MADEP VPH	o-Xylene
GC-PID	MADEP VPH	Toluene
GC-PID	MADEP VPH	Total Purgeable Hydrocarbons
GC-PID	MADEP VPH	Xylene (total)
GC-FID	MADEP EPH	C11 to C22 Aromatics
GC-FID	MADEP EPH	Total Extractable Hydrocarbons
GC-FID	MADEP EPH	C9 to C18 Aliphatics
GC-FID	MADEP EPH	C19 to C36 Aliphatics
GC-FID	EPA 8015 Modified	Total Extractable Hydrocarbons Screen
GC-FID	EPA RSK-175 (GC/FID)	Ethane
GC-FID	EPA RSK-175 (GC/FID)	Ethene (Ethylene)
GC-FID	EPA RSK-175 (GC/FID)	Methane
GC-FID	EPA RSK-175 (GC/FID)	Propane
Turbidimetry	SM 2130 B	Turbidity
Titration	SM 2310 B	Acidity, as CaCO ₃
Titration	SM 2320 B	Alkalinity as CaCO ₃
Calculation	SM 2330 B	Corrosivity (langlier index)
Calculation	SM 2340 B	Hardness
Electrode	SM 2510B	Conductivity
Gravimetry	SM 2540 B	Residue-total
Gravimetry	SM 2540 C	Residue-filterable (TDS)
Gravimetry	SM 2540 D	Residue-nonfilterable (TSS)
Physical	SM 2540 F	Residue-settleable



ANSI National Accreditation Board

Non-Potable Water		
Technology	Method	Analyte
UV-VIS	SM 3500-Cr B	Chromium VI
ISE	SM 4500-H+ B	pH
UV-VIS	SM 4500-S ₂ ⁻ D	Sulfide
Titration	SM 4500-S ₂ ⁻ F	Sulfide
UV-VIS	SM 5540 C	Surfactants - MBAS
GC-MS	EPA 624.1	1,1,1,2-Tetrachloroethane
GC-MS	EPA 624.1	1,1,1-Trichloroethane
GC-MS	EPA 624.1	1,1,2,2-Tetrachloroethane
GC-MS	EPA 624.1	1,1,2-Trichloroethane
GC-MS	EPA 624.1	1,1-Dichloroethane
GC-MS	EPA 624.1	1,1-Dichloroethene
GC-MS	EPA 624.1	1,1-Dichloropropene
GC-MS	EPA 624.1	1,2,3-Trichlorobenzene
GC-MS	EPA 624.1	1,2,3-Trichloropropane
GC-MS	EPA 624.1	1,2,4-Trichlorobenzene
GC-MS	EPA 624.1	1,2,4-Trimethylbenzene
GC-MS	EPA 624.1	1,2-Dibromo-3-chloropropane
GC-MS	EPA 624.1	1,2-Dibromoethane
GC-MS	EPA 624.1	1,2-Dichlorobenzene
GC-MS	EPA 624.1	1,2-Dichloroethane
GC-MS	EPA 624.1	1,2-Dichloropropane
GC-MS	EPA 624.1	1,3,5-Trimethylbenzene
GC-MS	EPA 624.1	1,3-Dichlorobenzene
GC-MS	EPA 624.1	1,3-Dichloropropane
GC-MS	EPA 624.1	1,4-Dichlorobenzene
GC-MS	EPA 624.1	2,2-Dichloropropane
GC-MS	EPA 624.1	2-Chloroethyl vinyl ether
GC-MS	EPA 624.1	2-Chlorotoluene
GC-MS	EPA 624.1	2-Hexanone

Non-Potable Water		
Technology	Method	Analyte
GC-MS	EPA 624.1	4-Chlorotoluene
GC-MS	EPA 624.1	Acetone
GC-MS	EPA 624.1	Acetonitrile
GC-MS	EPA 624.1	Acrolein
GC-MS	EPA 624.1	Acrylonitrile
GC-MS	EPA 624.1	Benzene
GC-MS	EPA 624.1	Bromobenzene
GC-MS	EPA 624.1	Bromochloromethane
GC-MS	EPA 624.1	Bromodichloromethane
GC-MS	EPA 624.1	Bromoform
GC-MS	EPA 624.1	Bromomethane
GC-MS	EPA 624.1	Carbon disulfide
GC-MS	EPA 624.1	Carbon tetrachloride
GC-MS	EPA 624.1	Chlorobenzene
GC-MS	EPA 624.1	Chlorodibromomethane
GC-MS	EPA 624.1	Chloroethane
GC-MS	EPA 624.1	Chloroform
GC-MS	EPA 624.1	Chloromethane
GC-MS	EPA 624.1	cis-1,2-Dichloroethene
GC-MS	EPA 624.1	cis-1,3-Dichloropropene
GC-MS	EPA 624.1	Dibromomethane
GC-MS	EPA 624.1	Dichlorodifluoromethane
GC-MS	EPA 624.1	Ethylbenzene
GC-MS	EPA 624.1	Hexachlorobutadiene
GC-MS	EPA 624.1	Isopropylbenzene
GC-MS	EPA 624.1	m+p-Xylenes
GC-MS	EPA 624.1	Methyl ethyl ketone
GC-MS	EPA 624.1	Methyl isobutyl ketone
GC-MS	EPA 624.1	Methyl tert-butyl ether (MtBE)

Non-Potable Water		
Technology	Method	Analyte
GC-MS	EPA 624.1	Methylene chloride
GC-MS	EPA 624.1	Naphthalene
GC-MS	EPA 624.1	n-Butylbenzene
GC-MS	EPA 624.1	n-Propylbenzene
GC-MS	EPA 624.1	o-Xylene
GC-MS	EPA 624.1	p-Isopropyltoluene
GC-MS	EPA 624.1	sec-Butylbenzene
GC-MS	EPA 624.1	Styrene
GC-MS	EPA 624.1	tert-Butylbenzene
GC-MS	EPA 624.1	Tetrachloroethene
GC-MS	EPA 624.1	Toluene
GC-MS	EPA 624.1	trans-1,2-Dichloroethene
GC-MS	EPA 624.1	trans-1,3-Dichloropropene
GC-MS	EPA 624.1	Trichloroethene
GC-MS	EPA 624.1	Trichlorofluoromethane
GC-MS	EPA 624.1	Vinyl acetate
GC-MS	EPA 624.1	Vinyl chloride
GC-MS	EPA 624.1	Xylenes, Total
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorobutanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluoropentanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorohexanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluoroheptanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorooctanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorononanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorodecanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluoroundecanoic acid

Non-Potable Water		
Technology	Method	Analyte
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorododecanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorotridecanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorotetradecanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorobutanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluoropentanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorohexanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluoroheptanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorooctanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorononanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorodecanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	1H, 1H, 2H, 2H-perfluorohexane sulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorooctanesulfonamide
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	N-methyl perfluorooctanesulfonamidoacetic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	N-ethyl perfluorooctanesulfonamidoacetic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Hexafluoropropylene oxide dimer acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	4,8-dioxa-3H-perfluorononanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid

Non-Potable Water		
Preparation	Method	Type
Acid Digestion	EPA 200.2	Metals
Hotblock Digestion	EPA 3010	Metals
Extraction	EPA 1311	Toxicity Characteristic Leaching Procedure
Continuous Liquid-Liquid Extraction	EPA 3520C	Semivolatile Organics
Waste Dilution	EPA 3580A	Semivolatile Organics
Purge and Trap Preparation	EPA 5030B	Volatile Organics
Separatory Extraction	EPA 3510C Mod	Semivolatile Organics

Solids and Chemical Materials		
Technology	Method	Analyte
GC-ECD	EPA 8011	1,2,3-Trichloropropane
GC-ECD	EPA 8011	1,2-Dibromo-3-chloropropane (DBCP)
GC-ECD	EPA 8011	1,2-Dibromoethane (EDB, Ethylene dibromide)
IC-COND	EPA 9056A	Bromide
IC-COND	EPA 9056A	Chloride
IC-COND	EPA 9056A	Nitrate as N
IC-COND	EPA 9056A	Nitrite as N
IC-COND	EPA 9056A	Sulfate
IC-COND	EPA 9056A	Total nitrate-nitrite
GC-PID	AK101 GRO	Gasoline range organics (GRO)
GC-FID	AK102 DRO	Diesel range organics (DRO)
GC-FID	AK103 RRO	Residual range organics (RRO)
Physical	EPA 1010A	Ignitability
Thermal Desorption AA	EPA 7473	Mercury
ICP-AES	EPA 6010B; EPA 6010D	Aluminum
ICP-AES	EPA 6010B; EPA 6010D	Antimony

Solids and Chemical Materials		
Technology	Method	Analyte
ICP-AES	EPA 6010B; EPA 6010D	Arsenic
ICP-AES	EPA 6010B; EPA 6010D	Barium
ICP-AES	EPA 6010B; EPA 6010D	Beryllium
ICP-AES	EPA 6010B; EPA 6010D	Boron
ICP-AES	EPA 6010B; EPA 6010D	Cadmium
ICP-AES	EPA 6010B; EPA 6010D	Calcium
ICP-AES	EPA 6010B; EPA 6010D	Chromium
ICP-AES	EPA 6010B; EPA 6010D	Cobalt
ICP-AES	EPA 6010B; EPA 6010D	Copper
ICP-AES	EPA 6010B; EPA 6010D	Iron
ICP-AES	EPA 6010B; EPA 6010D	Lead
ICP-AES	EPA 6010B; EPA 6010D	Lithium
ICP-AES	EPA 6010B; EPA 6010D	Magnesium
ICP-AES	EPA 6010B; EPA 6010D	Manganese
ICP-AES	EPA 6010B; EPA 6010D	Molybdenum
ICP-AES	EPA 6010B; EPA 6010D	Nickel
ICP-AES	EPA 6010B; EPA 6010D	Phosphorus, total
ICP-AES	EPA 6010B; EPA 6010D	Potassium
ICP-AES	EPA 6010B; EPA 6010D	Selenium
ICP-AES	EPA 6010B; EPA 6010D	Silver
ICP-AES	EPA 6010B; EPA 6010D	Sodium
ICP-AES	EPA 6010B; EPA 6010D	Strontium
ICP-AES	EPA 6010B; EPA 6010D	Thallium
ICP-AES	EPA 6010B; EPA 6010D	Tin
ICP-AES	EPA 6010B; EPA 6010D	Titanium
ICP-AES	EPA 6010B; EPA 6010D	Vanadium
ICP-AES	EPA 6010B; EPA 6010D	Zinc
ICP-MS	EPA 6020; EPA 6020B	Aluminum
ICP-MS	EPA 6020; EPA 6020B	Antimony

Solids and Chemical Materials		
Technology	Method	Analyte
ICP-MS	EPA 6020; EPA 6020B	Arsenic
ICP-MS	EPA 6020; EPA 6020B	Barium
ICP-MS	EPA 6020; EPA 6020B	Beryllium
ICP-MS	EPA 6020; EPA 6020B	Cadmium
ICP-MS	EPA 6020; EPA 6020B	Calcium
ICP-MS	EPA 6020; EPA 6020B	Chromium
ICP-MS	EPA 6020; EPA 6020B	Cobalt
ICP-MS	EPA 6020; EPA 6020B	Copper
ICP-MS	EPA 6020; EPA 6020B	Iron
ICP-MS	EPA 6020; EPA 6020B	Lead
ICP-MS	EPA 6020; EPA 6020B	Magnesium
ICP-MS	EPA 6020; EPA 6020B	Manganese
ICP-MS	EPA 6020; EPA 6020B	Molybdenum
ICP-MS	EPA 6020; EPA 6020B	Nickel
ICP-MS	EPA 6020; EPA 6020B	Selenium
ICP-MS	EPA 6020; EPA 6020B	Silver
ICP-MS	EPA 6020; EPA 6020B	Sodium
ICP-MS	EPA 6020; EPA 6020B	Strontium
ICP-MS	EPA 6020; EPA 6020B	Thallium
ICP-MS	EPA 6020; EPA 6020B	Tin
ICP-MS	EPA 6020; EPA 6020B	Titanium
ICP-MS	EPA 6020; EPA 6020B	Uranium
ICP-MS	EPA 6020; EPA 6020B	Vanadium
ICP-MS	EPA 6020; EPA 6020B	Zinc
UV-VIS	EPA 7196A	Chromium VI
CVAAS	EPA 7471B	Mercury
GC-FID	EPA 8015C	Diesel range organics (DRO)
GC-FID	EPA 8015C	Gasoline range organics (GRO)
GC-FID	EPA 8015C	Oil range organics

Solids and Chemical Materials		
Technology	Method	Analyte
GC-ELCD-PID	EPA 8021B	Benzene
GC-ELCD-PID	EPA 8021B	Ethylbenzene
GC-ELCD-PID	EPA 8021B	m/p-Xylenes
GC-ELCD-PID	EPA 8021B	Methyl tert-butyl ether (MTBE)
GC-ELCD-PID	EPA 8021B	Naphthalene
GC-ELCD-PID	EPA 8021B	o-Xylene
GC-ELCD-PID	EPA 8021B	Toluene
GC-ELCD-PID	EPA 8021B	Xylene (total)
GC-ECD	EPA 8082A	Aroclor-1016 (PCB-1016)
GC-ECD	EPA 8082A	Aroclor-1221 (PCB-1221)
GC-ECD	EPA 8082A	Aroclor-1232 (PCB-1232)
GC-ECD	EPA 8082A	Aroclor-1242 (PCB-1242)
GC-ECD	EPA 8082A	Aroclor-1248 (PCB-1248)
GC-ECD	EPA 8082A	Aroclor-1254 (PCB-1254)
GC-ECD	EPA 8082A	Aroclor-1260 (PCB-1260)
GC-ECD	EPA 8082A	Aroclor-1262 (PCB-1262)
GC-ECD	EPA 8082A	Aroclor-1268 (PCB-1268)
GC-MS	EPA 8260B; EPA 8260D	1,1,1,2-Tetrachloroethane
GC-MS	EPA 8260B; EPA 8260D	1,1,1-Trichloroethane
GC-MS	EPA 8260B; EPA 8260D	1,1,2,2-Tetrachloroethane
GC-MS	EPA 8260B; EPA 8260D	1,1,2-Trichloroethane
GC-MS	EPA 8260B; EPA 8260D	1,1-Dichloroethane
GC-MS	EPA 8260B; EPA 8260D	1,1-Dichloroethylene
GC-MS	EPA 8260B; EPA 8260D	1,1-Dichloropropene
GC-MS	EPA 8260B; EPA 8260D	1,2,3-Trichlorobenzene
GC-MS	EPA 8260B; EPA 8260D	1,2,3-Trichloropropane
GC-MS	EPA 8260B; EPA 8260D	1,2,4-Trichlorobenzene
GC-MS	EPA 8260B; EPA 8260D	1,2,4-Trimethylbenzene
GC-MS	EPA 8260B; EPA 8260D	1,2-Dibromo-3-chloropropane (DBCP)

Solids and Chemical Materials		
Technology	Method	Analyte
GC-MS	EPA 8260B; EPA 8260D	1,2-Dibromoethane (EDB, Ethylene dibromide)
GC-MS	EPA 8260B; EPA 8260D	1,2-Dichlorobenzene
GC-MS	EPA 8260B; EPA 8260D	1,2-Dichloroethane
GC-MS	EPA 8260B; EPA 8260D	1,2-Dichloropropane
GC-MS	EPA 8260B; EPA 8260D	1,3,5-Trimethylbenzene
GC-MS	EPA 8260B; EPA 8260D	1,3-Dichlorobenzene
GC-MS	EPA 8260B; EPA 8260D	1,3-Dichloropropane
GC-MS	EPA 8260B; EPA 8260D	1,4-Dichlorobenzene
GC-MS	EPA 8260B; EPA 8260D	2,2-Dichloropropane
GC-MS	EPA 8260B; EPA 8260D	2-Butanone (Methyl ethyl ketone, MEK)
GC-MS	EPA 8260B; EPA 8260D	2-Chloroethyl vinyl ether
GC-MS	EPA 8260B; EPA 8260D	2-Chlorotoluene
GC-MS	EPA 8260B; EPA 8260D	2-Hexanone
GC-MS	EPA 8260B; EPA 8260D	4-Chlorotoluene
GC-MS	EPA 8260B; EPA 8260D	4-Methyl-2-pentanone (MIBK)
GC-MS	EPA 8260B; EPA 8260D	Acetone
GC-MS	EPA 8260B; EPA 8260D	Acetonitrile
GC-MS	EPA 8260B; EPA 8260D	Acrolein (Propenal)
GC-MS	EPA 8260B; EPA 8260D	Acrylonitrile
GC-MS	EPA 8260B; EPA 8260D	Benzene
GC-MS	EPA 8260B; EPA 8260D	Bromobenzene
GC-MS	EPA 8260B; EPA 8260D	Bromochloromethane
GC-MS	EPA 8260B; EPA 8260D	Bromodichloromethane
GC-MS	EPA 8260B; EPA 8260D	Bromoform
GC-MS	EPA 8260B; EPA 8260D	Carbon disulfide
GC-MS	EPA 8260B; EPA 8260D	Carbon tetrachloride
GC-MS	EPA 8260B; EPA 8260D	Chlorobenzene
GC-MS	EPA 8260B; EPA 8260D	Chloroethane
GC-MS	EPA 8260B; EPA 8260D	Chloroform

Solids and Chemical Materials		
Technology	Method	Analyte
GC-MS	EPA 8260B; EPA 8260D	cis-1,2-Dichloroethylene
GC-MS	EPA 8260B; EPA 8260D	cis-1,3-Dichloropropene
GC-MS	EPA 8260B; EPA 8260D	Dibromochloromethane
GC-MS	EPA 8260B; EPA 8260D	Dibromomethane
GC-MS	EPA 8260B; EPA 8260D	Dichlorodifluoromethane
GC-MS	EPA 8260B; EPA 8260D	Ethyl methacrylate
GC-MS	EPA 8260B; EPA 8260D	Ethylbenzene
GC-MS	EPA 8260B; EPA 8260D	Hexachlorobutadiene
GC-MS	EPA 8260B; EPA 8260D	Iodomethane (Methyl iodide)
GC-MS	EPA 8260B; EPA 8260D	Isopropylbenzene
GC-MS	EPA 8260B; EPA 8260D	m/p-Xylenes
GC-MS	EPA 8260B; EPA 8260D	Methacrylonitrile
GC-MS	EPA 8260B; EPA 8260D	Methyl bromide (Bromomethane)
GC-MS	EPA 8260B; EPA 8260D	Methyl chloride (Chloromethane)
GC-MS	EPA 8260B; EPA 8260D	Methyl methacrylate
GC-MS	EPA 8260B; EPA 8260D	Methyl tert-butyl ether (MTBE)
GC-MS	EPA 8260B; EPA 8260D	Methylene chloride
GC-MS	EPA 8260B; EPA 8260D	Naphthalene
GC-MS	EPA 8260B; EPA 8260D	n-Butylbenzene
GC-MS	EPA 8260B; EPA 8260D	n-Propylbenzene
GC-MS	EPA 8260B; EPA 8260D	o-Xylene
GC-MS	EPA 8260B; EPA 8260D	p-Dioxane
GC-MS	EPA 8260B; EPA 8260D	p-Isopropyltoluene
GC-MS	EPA 8260B; EPA 8260D	Propionitrile (Ethyl cyanide)
GC-MS	EPA 8260B; EPA 8260D	sec-Butylbenzene
GC-MS	EPA 8260B; EPA 8260D	Styrene
GC-MS	EPA 8260B; EPA 8260D	tert-Butylbenzene
GC-MS	EPA 8260B; EPA 8260D	Tetrachloroethylene (Perchloroethylene)
GC-MS	EPA 8260B; EPA 8260D	Toluene

Solids and Chemical Materials		
Technology	Method	Analyte
GC-MS	EPA 8260B; EPA 8260D	trans-1,2-Dichloroethylene
GC-MS	EPA 8260B; EPA 8260D	trans-1,3-Dichloropropene
GC-MS	EPA 8260B; EPA 8260D	trans-1,4-Dichloro-2-butene
GC-MS	EPA 8260B; EPA 8260D	Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113)
GC-MS	EPA 8260B; EPA 8260D	Trichloroethene (Trichloroethylene)
GC-MS	EPA 8260B; EPA 8260D	Trichlorofluoromethane
GC-MS	EPA 8260B; EPA 8260D	Vinyl acetate
GC-MS	EPA 8260B; EPA 8260D	Vinyl chloride
GC-MS	EPA 8260B; EPA 8260D	Xylene (total)
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	1,2,4-Trichlorobenzene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	1,2-Dichlorobenzene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	1,3-Dichlorobenzene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	1,4-Dichlorobenzene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	1-Methylnaphthalene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	bis(2-chloroisopropyl)Ether
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2,4,5-Trichlorophenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2,4,6-Trichlorophenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2,4-Dichlorophenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2,4-Dimethylphenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2,4-Dinitrophenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2,4-Dinitrotoluene (2,4-DNT)
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2,6-Dinitrotoluene (2,6-DNT)
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2-Chloronaphthalene



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Solids and Chemical Materials		
Technology	Method	Analyte
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2-Chlorophenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2-Methylnaphthalene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2-Methylphenol (o-Cresol)
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2-Nitroaniline
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	2-Nitrophenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	3,3 -Dichlorobenzidine
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	3/4-Methylphenols (m/p-Cresols)
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	3-Nitroaniline
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	4-Bromophenyl phenyl ether
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	4-Chloro-2-methylphenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	4-Chloro-3-methylphenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	4-Chloroaniline
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	4-Chlorophenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	4-Chlorophenyl phenylether
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	4-Nitroaniline
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	4-Nitrophenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Acenaphthene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Acenaphthylene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Aniline
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Anthracene



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Solids and Chemical Materials		
Technology	Method	Analyte
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Benzidine
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Benzo(a)anthracene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Benzo(a)pyrene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Benzo(b)fluoranthene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Benzo(g,h,i)perylene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Benzo(k)fluoranthene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Benzoic acid
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Benzyl alcohol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	bis(2-Chloroethoxy)methane
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	bis(2-Chloroethyl) ether
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Butyl benzyl phthalate
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Carbazole
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Chrysene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Di(2-ethylhexyl) phthalate (DEHP)
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Dibenz(a,h)acridine
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Dibenzofuran
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Diethyl phthalate
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Dimethyl phthalate
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Di-n-butyl phthalate
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Di-n-octyl phthalate



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Solids and Chemical Materials		
Technology	Method	Analyte
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Fluoranthene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Fluorene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Hexachlorobenzene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Hexachlorobutadiene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Hexachlorocyclopentadiene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Hexachloroethane
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Indeno(1,2,3-cd)pyrene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Isophorone
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Naphthalene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Nitrobenzene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	n-Nitrosodimethylamine
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	n-Nitrosodi-n-propylamine
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	n-Nitrosodiphenylamine
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Pentachlorophenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Phenanthrene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Phenol
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Pyrene
GC-MS	EPA 8270C; EPA 8270D; EPA 8270E	Pyridine
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	1-Methylnaphthalene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	2-Methynaphthalene

Solids and Chemical Materials		
Technology	Method	Analyte
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Acenaphthene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Acenaphthylene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Anthracene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Benzo(a)anthracene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Benzo(a)pyrene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Benzo(b)fluoranthene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Benzo(g,h,i)perylene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Benzo(k)fluoranthene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Chrysene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Dibenzo(a,h)anthracene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Fluoranthene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Fluorene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Indeno(1,2,3-cd)pyrene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Naphthalene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Phenanthrene
GC-MS	EPA 8270C SIM; EPA 8270D SIM; EPA 8270ESIM	Pyrene
UV-VIS	EPA 9012B	Total cyanide
ISE	EPA 9045D	pH (Corrosivity)
Pycnometer	ASTM D941-88	Specific Gravity
GC-PID	MADEP VPH	Benzene
GC-PID	MADEP VPH	C5 to C8 Aliphatics
GC-PID	MADEP VPH	C9 to C10 Aromatics

Solids and Chemical Materials		
Technology	Method	Analyte
GC-PID	MADEP VPH	C9 to C12 Aliphatics
GC-PID	MADEP VPH	Ethylbenzene
GC-PID	MADEP VPH	m/p-Xylenes
GC-PID	MADEP VPH	Methyl tert-butyl ether (MTBE)
GC-PID	MADEP VPH	Naphthalene
GC-PID	MADEP VPH	o-Xylene
GC-PID	MADEP VPH	Toluene
GC-PID	MADEP VPH	Total Purgeable Hydrocarbons
GC-PID	MADEP VPH	Xylene (total)
GC-FID	MADEP EPH	C11 to C22 Aromatics
GC-FID	MADEP EPH	Total Extractable Hydrocarbons
GC-FID	MADEP EPH	C9 to C18 Aliphatics
GC-FID	MADEP EPH	C19 to C36 Aliphatics
GC-FID	EPA 8015 Modified	Total Extractable Hydrocarbons Screen
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorobutanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluoropentanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorohexanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluoroheptanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorooctanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorononanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorodecanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluoroundecanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorododecanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorotridecanoic acid

Solids and Chemical Materials		
Technology	Method	Analyte
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorotetradecanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorobutanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluoropentanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorohexanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluoroheptanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorooctanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorononanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorodecanesulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	1H, 1H, 2H, 2H-perfluorohexane sulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Perfluorooctanesulfonamide
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	N-methyl perfluorooctanesulfonamidoacetic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	N-ethyl perfluorooctanesulfonamidoacetic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	Hexafluoropropylene oxide dimer acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	4,8-dioxa-3H-perfluorononanoic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid
LC-MS-MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
Preparation	Method	Type
Extraction/Leaching	EPA 1311	Toxicity Characteristic Leaching Procedure
Extraction/Leaching	EPA 1312	Synthetic Precipitation Leaching Procedure



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Solids and Chemical Materials		
Technology	Method	Analyte
Acid Digestion	EPA 3050B	Metals
Ultrasonic Extraction	EPA 3550C	Semivolatile Organics
Solvent Extraction/Purge and Trap	EPA 5035	Volatile Organics
Separatory Extraction	EPA 3510C MOD	Semivolatile Organics

Drinking Water		
Technology	Method	Analyte
LC-MS-MS	EPA 537.1	Perfluorohexanoic acid
LC-MS-MS	EPA 537.1	Perfluoroheptanoic acid
LC-MS-MS	EPA 537.1	Perfluorooctanoic acid
LC-MS-MS	EPA 537.1	Perfluorononanoic acid
LC-MS-MS	EPA 537.1	Perfluorodecanoic acid
LC-MS-MS	EPA 537.1	Perfluoroundecanoic acid
LC-MS-MS	EPA 537.1	Perfluorododecanoic acid
LC-MS-MS	EPA 537.1	Perfluorotridecanoic acid
LC-MS-MS	EPA 537.1	Perfluorotetradecanoic acid
LC-MS-MS	EPA 537.1	Perfluorobutanesulfonic
LC-MS-MS	EPA 537.1	Perfluorohexanesulfonic acid
LC-MS-MS	EPA 537.1	Perfluorooctanesulfonic acid
LC-MS-MS	EPA 537.1	N-ethyl perfluorooctanesulfonamidoacetic acid
LC-MS-MS	EPA 537.1	N-methyl perfluorooctanesulfonamidoacetic acid
LC-MS-MS	EPA 537.1	Hexafluoropropylene oxide dimer acid
LC-MS-MS	EPA 537.1	4,8-dioxa-3H-perfluorononanoic acid
LC-MS-MS	EPA 537.1	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
LC-MS-MS	EPA 537.1	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid

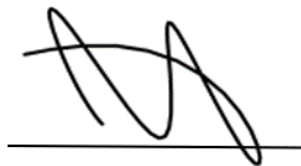
Satellite site:
Energy Laboratories, Inc. – Casper, WY
 2393 Salt Creek Hwy.
 Casper, Wyoming 82601
 Donny Juarez
 (307) 235-0515

Environmental

Non-Potable Water		
Technology	Method	Analyte
NDIR	SM 5310 C	Total Organic Carbon
NDIR	EPA 9060A	Total Organic Carbon
NDIR	EPA 9060A	Dissolved Organic Carbon
Gravimetric	EPA 1664A	HEM; Oil and Grease

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. ADE-2588.



Jason Stine, Vice President