



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Merit Laboratories, Inc

2680 East Lansing Drive, East Lansing, MI 48823

(Hereinafter called the Organization) and hereby declares that Organization has met the requirements of ISO/IEC 17025:2017 General Requirements for the competence of Testing and Calibration Laboratories and the United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP) requirements identified within the DoD/DOE Quality Systems Manual (DoD/DOE QSM) Version 5.3 May 2019 and is accredited in accordance with the:

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

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

Environmental Testing (As detailed in the supplement)

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

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date: *Issue Date:* *Expiration Date:*
November 18, 2011 October 14, 2020 December 31, 2022

Accreditation No.: *Certificate No.:*
69699 L20-631

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

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



Certificate of Accreditation: Supplement

ISO/IEC 17025:2017 and DoD-ELAP

Merit Laboratories, Inc

2680 East Lansing Drive, East Lansing, MI 48823
 Contact Name: Maya Murshak Phone: 517-332-0167

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

Matrix	Standard/Method	Technology	Analyte
Air	TO-15	GC/MS	Acetone
Air	TO-15	GC/MS	1,3-Butadiene
Air	TO-15	GC/MS	Benzene
Air	TO-15	GC/MS	Bromodichloromethane
Air	TO-15	GC/MS	Bromoform
Air	TO-15	GC/MS	Bromomethane
Air	TO-15	GC/MS	Vinyl bromide
Air	TO-15	GC/MS	Benzyl chloride
Air	TO-15	GC/MS	Carbon disulfide
Air	TO-15	GC/MS	Chlorobenzene
Air	TO-15	GC/MS	Chloroethane
Air	TO-15	GC/MS	Chloroform
Air	TO-15	GC/MS	Chloromethane
Air	TO-15	GC/MS	3-Chloropropene
Air	TO-15	GC/MS	2-Chlorotoluene
Air	TO-15	GC/MS	Carbon tetrachloride
Air	TO-15	GC/MS	Cyclohexane
Air	TO-15	GC/MS	1,1-Dichloroethane
Air	TO-15	GC/MS	1,1-Dichloroethene
Air	TO-15	GC/MS	1,2-Dibromoethane
Air	TO-15	GC/MS	1,2-Dichloroethane
Air	TO-15	GC/MS	1,2-Dichloropropane
Air	TO-15	GC/MS	1,4-Dioxane
Air	TO-15	GC/MS	Dichlorodifluoromethane
Air	TO-15	GC/MS	Dibromochloromethane
Air	TO-15	GC/MS	trans-1,2-Dichloroethene
Air	TO-15	GC/MS	cis-1,2-Dichloroethene
Air	TO-15	GC/MS	cis-1,3-Dichloropropene
Air	TO-15	GC/MS	1,3-Dichlorobenzene
Air	TO-15	GC/MS	1,4-Dichlorobenzene
Air	TO-15	GC/MS	trans-1,3-Dichloropropene
Air	TO-15	GC/MS	Ethylbenzene
Air	TO-15	GC/MS	Ethyl Acetate
Air	TO-15	GC/MS	Heptane
Air	TO-15	GC/MS	Hexachlorobutadiene
Air	TO-15	GC/MS	Hexane



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Matrix	Standard/Method	Technology	Analyte
Air	TO-15	GC/MS	Isopropyl Alcohol (Isopropanol)
Air	TO-15	GC/MS	Methylene chloride
Air	TO-15	GC/MS	2-Butanone (MEK)
Air	TO-15	GC/MS	4-Methyl-2-pentanone (MIBK)
Air	TO-15	GC/MS	tert-Methyl butyl ether (MTBE)
Air	TO-15	GC/MS	Methyl methacrylate
Air	TO-15	GC/MS	Naphthalene
Air	TO-15	GC/MS	Styrene
Air	TO-15	GC/MS	1,1,1-Trichloroethane
Air	TO-15	GC/MS	1,1,2,2-Tetrachloroethane
Air	TO-15	GC/MS	1,1,2-Trichloroethane
Air	TO-15	GC/MS	1,2,4-Trichlorobenzene
Air	TO-15	GC/MS	1,2,4-Trimethylbenzene
Air	TO-15	GC/MS	1,2-Dichlorobenzene
Air	TO-15	GC/MS	1,3,5-Trimethylbenzene
Air	TO-15	GC/MS	2,2,4-Trimethylpentane
Air	TO-15	GC/MS	Tert-butyl Alcohol
Air	TO-15	GC/MS	Tetrachloroethene
Air	TO-15	GC/MS	Toluene
Air	TO-15	GC/MS	Trichloroethene
Air	TO-15	GC/MS	Trichlorofluoromethane
Air	TO-15	GC/MS	Vinyl chloride
Air	TO-15	GC/MS	Vinyl acetate
Air	TO-15	GC/MS	p,m-Xylene
Air	TO-15	GC/MS	o-Xylene
Air	TO-15	GC/MS	Total Xylenes
Air	TO-15	GC/MS	Acetonitrile
Air	TO-15	GC/MS	Acrylonitrile
Air	TO-15	GC/MS	1,1,2-Trichloro-1,2,2-trifluoroethane
Air	TO-15	GC/MS	1,2-Dichlorotetrafluoroethane
Aqueous	EPA 200.8	ICP/MS	Aluminum
Aqueous	EPA 200.8	ICP/MS	Antimony
Aqueous	EPA 200.8	ICP/MS	Arsenic
Aqueous	EPA 200.8	ICP/MS	Barium
Aqueous	EPA 200.8	ICP/MS	Beryllium
Aqueous	EPA 200.8	ICP/MS	Boron
Aqueous	EPA 200.8	ICP/MS	Cadmium



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Aqueous	EPA 200.8	ICP/MS	Chromium
Aqueous	EPA 200.8	ICP/MS	Cobalt
Aqueous	EPA 200.8	ICP/MS	Copper
Aqueous	EPA 200.8	ICP/MS	Iron
Aqueous	EPA 200.8	ICP/MS	Lead
Aqueous	EPA 200.8	ICP/MS	Magnesium
Aqueous	EPA 200.8	ICP/MS	Manganese
Aqueous	EPA 200.8	ICP/MS	Molybdenum
Aqueous	EPA 200.8	ICP/MS	Nickel
Aqueous	EPA 200.8	ICP/MS	Potassium
Aqueous	EPA 200.8	ICP/MS	Selenium
Aqueous	EPA 200.8	ICP/MS	Silver
Aqueous	EPA 200.8	ICP/MS	Sodium
Aqueous	EPA 200.8	ICP/MS	Thallium
Aqueous	EPA 200.8	ICP/MS	Tin
Aqueous	EPA 200.8	ICP/MS	Titanium
Aqueous	EPA 200.8	ICP/MS	Vanadium
Aqueous	EPA 200.8	ICP/MS	Zinc
Aqueous	EPA 245.1	CVAA	Mercury
Aqueous	EPA 300.0	IC	Chloride
Aqueous	EPA 300.0	IC	Fluoride
Aqueous	EPA 300.0	IC	Nitrate
Aqueous	EPA 300.0	IC	Nitrite (as N)
Aqueous	EPA 300.0	IC	Sulfate
Aqueous	EPA 300.0	IC	Bromide
Aqueous	EPA 335.4	Spec	Cyanide, total
Aqueous	EPA 6020A	ICP/MS	Calcium



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Aqueous	EPA 8260C	GC/MS	1,1,1,2-Tetrachloroethane
Aqueous	EPA 8260C	GC/MS	1,2,3-Trichloropropane (TCP)
Aqueous	EPA 8260C	GC/MS	1,2,4-Trichlorobenzene
Aqueous	EPA 8260C	GC/MS	1,2-Dibromo-3-chloropropane (DBCP)
Aqueous	EPA 8260C	GC/MS	1,2-Dibromoethane (EDB)
Aqueous	EPA 8260C	GC/MS	2-Butanone (MEK)
Aqueous	EPA 8260C	GC/MS	2-Hexanone
Aqueous	EPA 8260C	GC/MS	4-Methyl-2-pentanone (MIBK)
Aqueous	EPA 8260C	GC/MS	Bromoform
Aqueous	EPA 8260C	GC/MS	Chlorobenzene
Aqueous	EPA 8260C	GC/MS	cis-1,2-Dichloroethylene
Aqueous	EPA 8260C	GC/MS	Dibromomethane
Aqueous	EPA 8260C	GC/MS	Hexachlorobutadiene
Aqueous	EPA 8260C	GC/MS	Styrene
Aqueous	EPA 8260C	GC/MS	tert-Butyl methyl ether (MTBE)
Aqueous	EPA 8260C	GC/MS	trans-1,2-Dichloroethylene
Aqueous	EPA 8270D	GC/MS	1,2-Dichlorobenzene
Aqueous	EPA 8270D	GC/MS	1,3-Dichlorobenzene
Aqueous	EPA 8270D	GC/MS	1,4-Dichlorobenzene
Aqueous	EPA 8270D	GC/MS	1-Methylnaphthalene
Aqueous	EPA 8270D	GC/MS	2,4,5-Trichlorophenol
Aqueous	EPA 8270D	GC/MS	2-Chlorophenol
Aqueous	EPA 8270D	GC/MS	2-Nitroaniline
Aqueous	EPA 8270D	GC/MS	4-Methylphenol
Aqueous	EPA 8270D	GC/MS	bis(2-Chloroethyl)ether
Aqueous	EPA 8270D	GC/MS	bis(2-Ethylhexyl)phthalate
Aqueous	EPA 8270D	GC/MS	Dibenzofuran
Aqueous	EPA 8270D	GC/MS	Hexachlorobenzene
Aqueous	EPA 8270D	GC/MS	N-Nitroso-di-n-propylamine
Aqueous	EPA 8270D	GC/MS	Pentachlorophenol
Aqueous	EPA 8270D	GC/MS	Total Cresols
Aqueous	SM 2340B	GRAV	Calcium Hardness
Aqueous	SM 2540C	GRAV	Total Dissolved Solids at 180 deg C



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Matrix	Standard/Method	Technology	Analyte
Aqueous	SM 2540D	GRAV	Non-Filterable Residue (TSS)
Aqueous	SM 4500-H+ B	ISE	pH
Aqueous	SW846/EPA7470A	CVAA	Mercury
Drinking Water	EPA 537.1	LCMSMS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
Drinking Water	EPA 537.1	LCMSMS	4,8-dioxa-3H-perfluorononanoic acid (ADONA)
Drinking Water	EPA 537.1	LCMSMS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)
Drinking Water	EPA 537.1	LCMSMS	Hexafluoropropylene oxide dimer (HFPO-DA)
Drinking Water	EPA 537.1	LCMSMS	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)
Drinking Water	EPA 537.1	LCMSMS	N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)
Drinking Water	EPA 537.1	LCMSMS	Perfluorobutane sulfonic Acid (PFBS)
Drinking Water	EPA 537.1	LCMSMS	Perfluorodecanoic Acid (PFDA)
Drinking Water	EPA 537.1	LCMSMS	Perfluorododecanoic Acid (PFDoDA)
Drinking Water	EPA 537.1	LCMSMS	Perfluoroheptanoic Acid (PFHpA)
Drinking Water	EPA 537.1	LCMSMS	Perfluorohexane Sulfonic Acid (PFHxS)
Drinking Water	EPA 537.1	LCMSMS	Perfluorohexanoic Acid (PFHxA)
Drinking Water	EPA 537.1	LCMSMS	Perfluorononanoic Acid (PFNA)
Drinking Water	EPA 537.1	LCMSMS	Perfluorooctane Sulfonic Acid (PFOS)
Drinking Water	EPA 537.1	LCMSMS	Perfluorooctanoic Acid (PFOA)
Drinking Water	EPA 537.1	LCMSMS	Perfluorotetradecanoic Acid (PFTeDA)
Drinking Water	EPA 537.1	LCMSMS	Perfluorotridecanoic Acid (PFTrDA)
Drinking Water	EPA 537.1	LCMSMS	Perfluoroundecanoic Acid (PFUnDA)
Solids	ASTM D2216A	Gravimetric	Percent Solids
Solids	EPA 7196A	Colorimetric	Chromium VI
Solids	EPA 7471B	CVAA	Mercury, Total
Solids	EPA 9045D	ISE	pH
Solids	EPA 6020A	ICP/MS	Lithium
Solids	EPA 6020A	ICP/MS	Tin
Solids	EPA 6020A	ICP/MS	Titanium
Solids	EPA 8260C	GC/MS	2-Chlorotoluene
Solids	EPA 8260C	GC/MS	4-Chlorotoluene
Solids	EPA 8260C	GC/MS	p,m-Xylene
Solids	EPA 8081B	GC/ECD	Heptachlor
Solids	EPA 8081B	GC/ECD	Heptachlor epoxide



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Solids	EPA 8270D	GC/MS	Atrazine
Solids	EPA 8270D	GC/MS	1,2-Dinitrobenzene
Solids	EPA 8270D	GC/MS	2-Nitroaniline
Solids	EPA 8270D	GC/MS	7,12-Dimethylbenzyl(a)anthracene
Aqueous/Solids	EPA 6020A	ICP/MS	Aluminum, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Antimony, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Arsenic, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Barium, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Beryllium, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Boron, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Cadmium, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Chromium, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Cobalt, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Copper, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Iron, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Lead, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Magnesium, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Manganese, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Molybdenum, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Nickel, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Potassium, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Selenium, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Strontium
Aqueous/Solids	EPA 6020A	ICP/MS	Silver, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Sodium, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Thallium, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Vanadium, Total
Aqueous/Solids	EPA 6020A	ICP/MS	Zinc, Total
Aqueous/Solids	EPA 8081B	GC/ECD	4,4'-DDD
Aqueous/Solids	EPA 8081B	GC/ECD	4,4'-DDE
Aqueous/Solids	EPA 8081B	GC/ECD	4,4'-DDT
Aqueous/Solids	EPA 8081B	GC/ECD	a-BHC
Aqueous/Solids	EPA 8081B	GC/ECD	a-Chlordane
Aqueous/Solids	EPA 8081B	GC/ECD	Aldrin
Aqueous/Solids	EPA 8081B	GC/ECD	beta-BHC
Aqueous/Solids	EPA 8081B	GC/ECD	Chlordane Total
Aqueous/Solids	EPA 8081B	GC/ECD	delta-BHC



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solids	EPA 8081B	GC/ECD	Dieldrin
Aqueous/Solids	EPA 8081B	GC/ECD	Endosulfan I
Aqueous/Solids	EPA 8081B	GC/ECD	Endosulfan II
Aqueous/Solids	EPA 8081B	GC/ECD	Endosulfan sulfate
Aqueous/Solids	EPA 8081B	GC/ECD	Endrin
Aqueous/Solids	EPA 8081B	GC/ECD	Endrin aldehyde
Aqueous/Solids	EPA 8081B	GC/ECD	Endrin Ketone
Aqueous/Solids	EPA 8081B	GC/ECD	g-Chlordane
Aqueous/Solids	EPA 8081B	GC/ECD	Lindane
Aqueous/Solids	EPA 8081B	GC/ECD	Methoxychlor
Aqueous/Solids	EPA 8081B	GC/ECD	Toxaphene
Aqueous/Solids	EPA 8082A	GC/ECD	PCB-1016
Aqueous/Solids	EPA 8082A	GC/ECD	PCB-1221
Aqueous/Solids	EPA 8082A	GC/ECD	PCB-1232
Aqueous/Solids	EPA 8082A	GC/ECD	PCB-1242
Aqueous/Solids	EPA 8082A	GC/ECD	PCB-1248
Aqueous/Solids	EPA 8082A	GC/ECD	PCB-1254
Aqueous/Solids	EPA 8082A	GC/ECD	PCB-1260
Aqueous/Solids	EPA 8260C	GC/MS	1,1,1-Trichloroethane
Aqueous/Solids	EPA 8260C	GC/MS	1,1,2,2-Tetrachloroethane
Aqueous/Solids	EPA 8260C	GC/MS	1,1,2-Trichloro-1,2,2-Trifluoroethane
Aqueous/Solids	EPA 8260C	GC/MS	1,1,2-Trichloroethane
Aqueous/Solids	EPA 8260C	GC/MS	1,2,3-Trichlorobenzene
Aqueous/Solids	EPA 8260C	GC/MS	1,3,5-Trimethylbenzene
Aqueous/Solids	EPA 8260C	GC/MS	1,1-Dichloroethane
Aqueous/Solids	EPA 8260C	GC/MS	1,1-Dichloroethene
Aqueous/Solids	EPA 8260C	GC/MS	1,1-Dichloropropene
Aqueous/Solids	EPA 8260C	GC/MS	1,3-Dichloropropene
Aqueous/Solids	EPA 8260C	GC/MS	1,2-Dichlorobenzene
Aqueous/Solids	EPA 8260C	GC/MS	1,2-Dichloroethane
Aqueous/Solids	EPA 8260C	GC/MS	1,2-Dichloropropane
Aqueous/Solids	EPA 8260C	GC/MS	1,3-Dichlorobenzene
Aqueous/Solids	EPA 8260C	GC/MS	1,4-Dichlorobenzene
Aqueous/Solids	EPA 8260C	GC/MS	1,4-Dioxane
Aqueous/Solids	EPA 8260C	GC/MS	2,2,-Dichloropropane
Aqueous/Solids	EPA 8260C	GC/MS	2-Chloroethylvinylether
Aqueous/Solids	EPA 8260C	GC/MS	Acetone



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solids	EPA 8260C	GC/MS	Acrolein
Aqueous/Solids	EPA 8260C	GC/MS	Acrylonitrile
Aqueous/Solids	EPA 8260C	GC/MS	Benzene
Aqueous/Solids	EPA 8260C	GC/MS	Bromochloromethane
Aqueous/Solids	EPA 8260C	GC/MS	Bromodichloromethane
Aqueous/Solids	EPA 8260C	GC/MS	Bromobenzene
Aqueous/Solids	EPA 8260C	GC/MS	Bromomethane
Aqueous/Solids	EPA 8260C	GC/MS	Carbon disulfide
Aqueous/Solids	EPA 8260C	GC/MS	Carbon tetrachloride
Aqueous/Solids	EPA 8260C	GC/MS	Chlorodibromomethane
Aqueous/Solids	EPA 8260C	GC/MS	Chloroethane
Aqueous/Solids	EPA 8260C	GC/MS	Chloroform
Aqueous/Solids	EPA 8260C	GC/MS	Chloromethane
Aqueous/Solids	EPA 8260C	GC/MS	cis-1,3-Dichloropropene
Aqueous/Solids	EPA 8260C	GC/MS	cis-1,3-Dichloropropylene
Aqueous/Solids	EPA 8260C	GC/MS	Cyclohexane
Aqueous/Solids	EPA 8260C	GC/MS	Dibromochloromethane
Aqueous/Solids	EPA 8260C	GC/MS	Dichlorodifluoromethane
Aqueous/Solids	EPA 8260C	GC/MS	Di-ethyl ether
Aqueous/Solids	EPA 8260C	GC/MS	Ethyl Acetate
Aqueous/Solids	EPA 8260C	GC/MS	Ethyl benzene
Aqueous/Solids	EPA 8260C	GC/MS	Gasoline Range Organics
Aqueous/Solids	EPA 8260C	GC/MS	Isobutyl alcohol
Aqueous/Solids	EPA 8260C	GC/MS	Isopropylbenzene
Aqueous/Solids	EPA 8260C	GC/MS	Methyl acetate
Aqueous/Solids	EPA 8260C	GC/MS	Methylene chloride
Aqueous/Solids	EPA 8260C	GC/MS	Methyl cyclohexane
Aqueous/Solids	EPA 8260C	GC/MS	Methyl iodide
Aqueous/Solids	EPA 8260C	GC/MS	Naphthalene
Aqueous/Solids	EPA 8260C	GC/MS	n-Butylbenzene
Aqueous/Solids	EPA 8260C	GC/MS	n-Propylbenzene
Aqueous/Solids	EPA 8260C	GC/MS	o-Xylene
Aqueous/Solids	EPA 8260C	GC/MS	p-Isopropyltoluene
Aqueous/Solids	EPA 8260C	GC/MS	sec-Butylbenzene
Aqueous/Solids	EPA 8260C	GC/MS	tert-Butylbenzene
Aqueous/Solids	EPA 8260C	GC/MS	Tetrachloroethene
Aqueous/Solids	EPA 8260C	GC/MS	Toluene



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solids	EPA 8260C	GC/MS	Total Xylenes
Aqueous/Solids	EPA 8260C	GC/MS	trans-1,3-Dichloropropene
Aqueous/Solids	EPA 8260C	GC/MS	trans-1,3-Dichloropropylene
Aqueous/Solids	EPA 8260C	GC/MS	trans-1,4-Dichloro-2-butane
Aqueous/Solids	EPA 8260C	GC/MS	Trichloroethene
Aqueous/Solids	EPA 8260C	GC/MS	Trichlorofluoromethane
Aqueous/Solids	EPA 8260C	GC/MS	Vinyl acetate
Aqueous/Solids	EPA 8260C	GC/MS	Vinyl chloride
Aqueous/Solids	EPA 8270D	GC/MS	1,1'-Biphenyl
Aqueous/Solids	EPA 8270D	GC/MS	1,3-Dinitrobenzene
Aqueous/Solids	EPA 8270D	GC/MS	1,2,4-Trichlorobenzene
Aqueous/Solids	EPA 8270D	GC/MS	1,2,4,5-Tetrachlorobenzene
Aqueous/Solids	EPA 8270D	GC/MS	2,4,6-Trichlorophenol
Aqueous/Solids	EPA 8270D	GC/MS	2,3,4,6-Tetrachlorophenol
Aqueous/Solids	EPA 8270D	GC/MS	2,4-Dichlorophenol
Aqueous/Solids	EPA 8270D	GC/MS	2,6-Dichlorophenol
Aqueous/Solids	EPA 8270D	GC/MS	2,4-Dimethylphenol
Aqueous/Solids	EPA 8270D	GC/MS	2,4-Dinitrophenol
Aqueous/Solids	EPA 8270D	GC/MS	2,4-Dinitrotoluene
Aqueous/Solids	EPA 8270D	GC/MS	2,6-Dinitrotoluene
Aqueous/Solids	EPA 8270D	GC/MS	3,3'-Dichlorobenzidine
Aqueous/Solids	EPA 8270D	GC/MS	2-Chloronaphthalene
Aqueous/Solids	EPA 8270D	GC/MS	2-Methylnaphthalene
Aqueous/Solids	EPA 8270D	GC/MS	2-Methylphenol
Aqueous/Solids	EPA 8270D	GC/MS	3-Nitroaniline
Aqueous/Solids	EPA 8270D	GC/MS	2-Nitrophenol
Aqueous/Solids	EPA 8270D	GC/MS	3-Methylphenol
Aqueous/Solids	EPA 8270D	GC/MS	4-Bromophenylphenyl ether
Aqueous/Solids	EPA 8270D	GC/MS	4-Chloroaniline
Aqueous/Solids	EPA 8270D	GC/MS	4-Chloro-3-methylphenol
Aqueous/Solids	EPA 8270D	GC/MS	4-Chlorophenylphenyl ether
Aqueous/Solids	EPA 8270D	GC/MS	4-Nitroaniline
Aqueous/Solids	EPA 8270D	GC/MS	4-Nitrophenol
Aqueous/Solids	EPA 8270D	GC/MS	4,6-Dinitro-2-methylphenol
Aqueous/Solids	EPA 8270D	GC/MS	Acenaphthene
Aqueous/Solids	EPA 8270D	GC/MS	Acenaphthylene
Aqueous/Solids	EPA 8270D	GC/MS	Acetophenone



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Merit Laboratories, Inc

2680 East Lansing Drive, East Lansing, MI 48823
Contact Name: Maya Murshak Phone: 517-332-0167

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

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solids	EPA 8270D	GC/MS	Benzidine
Aqueous/Solids	EPA 8270D	GC/MS	Aniline
Aqueous/Solids	EPA 8270D	GC/MS	Anthracene
Aqueous/Solids	EPA 8270D	GC/MS	Benzaldehyde
Aqueous/Solids	EPA 8270D	GC/MS	Benzoic Acid
Aqueous/Solids	EPA 8270D	GC/MS	Benzo(a)anthracene
Aqueous/Solids	EPA 8270D	GC/MS	Benzo(a)pyrene
Aqueous/Solids	EPA 8270D	GC/MS	Benzo(b)fluoranthene
Aqueous/Solids	EPA 8270D	GC/MS	Benzo(ghi)perylene
Aqueous/Solids	EPA 8270D	GC/MS	Benzo(k)fluoranthene
Aqueous/Solids	EPA 8270D	GC/MS	Benzyl alcohol
Aqueous/Solids	EPA 8270D	GC/MS	Benzyl butyl phthalate
Aqueous/Solids	EPA 8270D	GC/MS	Bis (2-chloroisopropyl) ether
Aqueous/Solids	EPA 8270D	GC/MS	Bis(2-chloroethoxy)methane
Aqueous/Solids	EPA 8270D	GC/MS	Caprolactam
Aqueous/Solids	EPA 8270D	GC/MS	Carbazole
Aqueous/Solids	EPA 8270D	GC/MS	Chrysene
Aqueous/Solids	EPA 8270D	GC/MS	Dibenzo(a,h)anthracene
Aqueous/Solids	EPA 8270D	GC/MS	Diesel Range Organics
Aqueous/Solids	EPA 8270D	GC/MS	Diethyl phthalate
Aqueous/Solids	EPA 8270D	GC/MS	Dimethyl phthalate
Aqueous/Solids	EPA 8270D	GC/MS	Di-n-butyl phthalate
Aqueous/Solids	EPA 8270D	GC/MS	Di-n-octyl phthalate
Aqueous/Solids	EPA 8270D	GC/MS	Fluoranthene
Aqueous/Solids	EPA 8270D	GC/MS	Fluorene
Aqueous/Solids	EPA 8270D	GC/MS	Hexachlorobutadiene
Aqueous/Solids	EPA 8270D	GC/MS	Hexachlorocyclopentadiene
Aqueous/Solids	EPA 8270D	GC/MS	Hexachloroethane
Aqueous/Solids	EPA 8270D	GC/MS	Indeno(1,2,3-cd)pyrene
Aqueous/Solids	EPA 8270D	GC/MS	Isophorone
Aqueous/Solids	EPA 8270D	GC/MS	Naphthalene
Aqueous/Solids	EPA 8270D	GC/MS	Pyridine
Aqueous/Solids	EPA 8270D	GC/MS	Nitrobenzene
Aqueous/Solids	EPA 8270D	GC/MS	N-Nitrosodimethylamine
Aqueous/Solids	EPA 8270D	GC/MS	N-Nitrosodiphenylamine
Aqueous/Solids	EPA 8270D	GC/MS	Phenanthrene
Aqueous/Solids	EPA 8270D	GC/MS	Phenol



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solids	EPA 8270D	GC/MS	Pyrene
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	4,8-dioxa-3H-perfluorononanoic acid (ADONA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	8:2 Fluorotelomer Sulfonic Acid (8:2 FSTA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Hexafluoropropylene oxide dimer (HFPO-DA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorobutanoic Acid (PFBA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorobutane sulfonic Acid (PFBS)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorodecane Sulfonic Acid (PFDS)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorodecanoic Acid (PFDA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorododecanoic Acid (PFDoDA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluoroheptane Sulfonic Acid (PFHpS)



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluoroheptanoic Acid (PFHpA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorohexane Sulfonic Acid (PFHxS)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorohexanoic Acid (PFHxA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorononane Sulfonic Acid (PFNS)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorononanoic Acid (PFNA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorooctane Sulfonamide (FOSA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorooctane Sulfonic Acid (PFOS)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorooctanoic Acid (PFOA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluoropentane Sulfonic Acid (PFPeS)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluoropentanoic Acid (PFPeA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorotetradecanoic Acid (PFTeDA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluorotridecanoic Acid (PFTrDA)
Aqueous/Solids	PFAS by LCMSMS Compliant w/ QSM 5.3 Table B-15	LCMSMS	Perfluoroundecanoic Acid (PFUnDA)
Aqueous/Solids	SM 4500-S2 D	Spectrophotometer	Sulfide



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Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 3015A	Digestion	Prep
Aqueous	EPA 3510C	Extractable	Prep
Aqueous	EPA 5030C	Purge & Trap	Prep
Aqueous	SM 3500-Cr D	Hach	Hexavalent Chromium
Solids	EPA 3050B	Digestion	Prep
Solids	EPA 3550C	Extractable	Prep
Solids	EPA 5035A	Purge & Trap	Prep
Aqueous/Solids	EPA 1311	Leaching	TCLP
Aqueous/Solids	EPA 1312	Leaching	SPLP
Aqueous/Solids	EPA 3060A	Digestion	Prep
Aqueous/Solids	EPA 3660B	Extractable	Clean up
Aqueous/Solids	EPA 3665A	Extractable	Clean up

