



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

PACE ANALYTICAL SERVICES, LLC – MOBILE LAB SERVICES¹

2525 Advance Rd.

Madison, WI 53718

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ENVIRONMENTAL

Valid To: March 31, 2020

Certificate Number: 3269.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO/IEC 17025:2005, the 2009 TNI Standard, and the requirements of the DoD Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 5.1 of the DoD Quality Systems Manual for Environmental Laboratories) accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies: Gas Chromatography, Mass Spectroscopy, High Performance Liquid Chromatography, ICP

Analyte / Parameter	ECCS SOP Number(s)	Non-Potable Water	Solid Hazardous Waste (Soil)
<u>Pesticides-PCBs</u>			
2,4'-DDD	003	EPA 8081B	EPA 8081B
2,4'-DDE	003	EPA 8081B	EPA 8081B
2,4'-DDT	003	EPA 8081B	EPA 8081B
4,4'-DDD	003	EPA 8081B	EPA 8081B
4,4'-DDE	003	EPA 8081B	EPA 8081B
4,4'-DDT	003	EPA 8081B	EPA 8081B
Aldrin	003	EPA 8081B	EPA 8081B
Chlordane (tech.)	003	EPA 8081B	EPA 8081B
Dieldrin	003	EPA 8081B	EPA 8081B
Endosulfan I	003	EPA 8081B	EPA 8081B
Endosulfan II	003	EPA 8081B	EPA 8081B
Endosulfan sulfate	003	EPA 8081B	EPA 8081B
Endrin	003	EPA 8081B	EPA 8081B
Endrin aldehyde	003	EPA 8081B	EPA 8081B
Endrin ketone	003	EPA 8081B	EPA 8081B
Heptachlor	003	EPA 8081B	EPA 8081B
Heptachlor epoxide	003	EPA 8081B	EPA 8081B
Hexachlorobenzene	003	EPA 8081B	EPA 8081B
Methoxychlor	003	EPA 8081B	EPA 8081B
Mirex	003	EPA 8081B	EPA 8081B
Pentachloronitrobenzene	003	EPA 8081B	EPA 8081B
Toxaphene (Chlorinated camphene)	003	EPA 8081B	EPA 8081B

Analyte / Parameter	ECCS SOP Number(s)	Non-Potable Water	Solid Hazardous Waste (Soil)
alpha-BHC (alpha-Hexachlorocyclohexane)	003	EPA 8081B	EPA 8081B
alpha-Chlordane	003	EPA 8081B	EPA 8081B
beta-BHC (beta-Hexachlorocyclohexane)	003	EPA 8081B	EPA 8081B
cis-Nonachlor	003	EPA 8081B	EPA 8081B
delta-BHC	003	EPA 8081B	EPA 8081B
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	003	EPA 8081B	EPA 8081B
gamma-Chlordane	003	EPA 8081B	EPA 8081B
trans-Nonachlor	003	EPA 8081B	EPA 8081B
Aroclor-1016 (PCB-1016)	005	EPA 8082A	EPA 8082A
Aroclor-1221 (PCB-1221)	005	EPA 8082A	EPA 8082A
Aroclor-1232 (PCB-1232)	005	EPA 8082A	EPA 8082A
Aroclor-1242 (PCB-1242)	005	EPA 8082A	EPA 8082A
Aroclor-1248 (PCB-1248)	005	EPA 8082A	EPA 8082A
Aroclor-1254 (PCB-1254)	005	EPA 8082A	EPA 8082A
Aroclor-1260 (PCB-1260)	005	EPA 8082A	EPA 8082A
Aroclor-1262 (PCB1262)	005	EPA 8082A	EPA 8082A
Aroclor-1268 (PCB 1268)	005	EPA 8082A	EPA 8082A
Explosives			
1,3,5-Trinitrobenzene (1,3,5-TNB)	018	EPA 8095	EPA 8095
1,3-Dinitrobenzene (1,3-DNB)	018	EPA 8095	EPA 8095
2,4,6-Trinitrotoluene (2,4,6-TNT)	018	EPA 8095	EPA 8095
2,4-Dinitrotoluene (2,4-DNT)	018	EPA 8095	EPA 8095
2,6-Dinitrotoluene (2,6-DNT)	018	EPA 8095	EPA 8095
2-Amino-4,6-dinitrotoluene (2-am-dnt)	018	EPA 8095	EPA 8095
2-Nitrotoluene	018	EPA 8095	EPA 8095
3,4-Dinitrotoluene (3,4-DNT)	018	EPA 8095	EPA 8095
3,5-Dinitroaniline	018	EPA 8095	EPA 8095
3-Nitrotoluene	018	EPA 8095	EPA 8095
4-Amino-2,6-dinitrotoluene (4-am-dnt)	018	EPA 8095	EPA 8095
4-Nitrotoluene	018	EPA 8095	EPA 8095
Methyl-2,4,6-trinitrophenylnitramine (tearyl)	018	EPA 8095	EPA 8095
Nitrobenzene	018	EPA 8095	EPA 8095
Nitroglycerin	018	EPA 8095	EPA 8095
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	018	EPA 8095	EPA 8095
Pentaerythritoltetranitrate (PETN)	018	EPA 8095	EPA 8095
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	018	EPA 8095	EPA 8095
Volatiles			
1,1,1,2-Tetrachloroethane	004	EPA 8260B	EPA 8260B
1,1,1-Trichloroethane	004/010	EPA 8260B	EPA 8260B/8260B SIM



Analyte / Parameter	ECCS SOP Number(s)	Non-Potable Water	Solid Hazardous Waste (Soil)
1,1,2,2-Tetrachloroethane	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,1,2-Trichloro-trifluoroethane (Freon-113)	004	EPA 8260B	EPA 8260B
1,1,2-Trichloroethane	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,1-Dichloroethane	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,1-Dichloroethene	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,1-Dichloropropene	004	EPA 8260B	EPA 8260B
1,2,3-Trichlorobenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,2,3-Trichloropropane	004	EPA 8260B	EPA 8260B
1,2,4-Trichlorobenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,2,4-Trimethylbenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,2-Dibromo-3-chloropropane (DBCP)	004	EPA 8260B	EPA 8260B
1,2-Dibromoethane (EDB, Ethylene dibromide)	004	EPA 8260B	EPA 8260B
1,2-Dichlorobenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,2-Dichloroethane (Ethylene dichloride)	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,2-Dichloropropane	004	EPA 8260B	EPA 8260B
1,3,5-Trimethylbenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,3-Dichlorobenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,3-Dichloropropane	004	EPA 8260B	EPA 8260B
1,3-Dichloropropene	004	EPA 8260B	EPA 8260B
1,4-Dichlorobenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
1,4-Dioxane (1,4- Diethyleneoxide)	004/021	EPA 8260B/8260B SIM	EPA 8260B/8260B SIM
2,2-Dichloropropane	004	EPA 8260B	EPA 8260B
2-Butanone (Methyl ethyl ketone, MEK)	004	EPA 8260B	EPA 8260B
2-Chlorotoluene	004/010	EPA 8260B	EPA 8260B/8260B SIM
2-Hexanone	004	EPA 8260B	EPA 8260B
4-Chlorotoluene	004/010	EPA 8260B	EPA 8260B/8260B SIM
p-Isopropyltoluene	004/010	EPA 8260B	EPA 8260B/8260B SIM
4-Methyl-2-pentanone (MIBK)	004	EPA 8260B	EPA 8260B
Acetone	004	EPA 8260B	EPA 8260B
Benzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
Bromobenzene	004	EPA 8260B	EPA 8260B
Bromochloromethane	004	EPA 8260B	EPA 8260B
Bromodichloromethane	004	EPA 8260B	EPA 8260B
Bromoform	004	EPA 8260B	EPA 8260B
Carbon disulfide	004	EPA 8260B	EPA 8260B
Carbon tetrachloride	004/010	EPA 8260B	EPA 8260B/8260B SIM
Chlorobenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
Dibromochloromethane	004	EPA 8260B	EPA 8260B
Chloroethane (Ethyl chloride)	004	EPA 8260B	EPA 8260B
Chloroform	004/010	EPA 8260B	EPA 8260B/8260B SIM
Diisopropylether (DIPE) (Isopropyl ether)	004	EPA 8260B	EPA 8260B

Analyte / Parameter	ECCS SOP Number(s)	Non-Potable Water	Solid Hazardous Waste (Soil)
Dibromomethane (Methylene bromide)	004	EPA 8260B	EPA 8260B
Dichlorodifluoromethane (Freon-12)	004	EPA 8260B	EPA 8260B
Ethylbenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
Gasoline Range Organics	004AD	EPA 8260B	EPA 8260B
Hexachlorobutadiene	004	EPA 8260B	EPA 8260B
Isopropylbenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
Methyl bromide (Bromomethane)	004	EPA 8260B	EPA 8260B
Methyl chloride (Chloromethane)	004/010	EPA 8260B	EPA 8260B/8260B SIM
Methyl t-butyl ether (MTBE)	004	EPA 8260B	EPA 8260B
Methylene chloride (Dichloromethane)	004/010	EPA 8260B	EPA 8260B/8260B SIM
Naphthalene	004/010	EPA 8260B	EPA 8260B/8260B SIM
Styrene	004/010	EPA 8260B	EPA 8260B/8260B SIM
Tetrachloroethene (Perchloroethylene)	004/010	EPA 8260B	EPA 8260B/8260B SIM
Tetrahydrofuran (THF)	004	EPA 8260B	EPA 8260B
Toluene	004/010	EPA 8260B	EPA 8260B/8260B SIM
Trichloroethene (Trichloroethylene)	004/010	EPA 8260B	EPA 8260B/8260B SIM
Trichlorofluoromethane (Fluorotrichloromethane, Freon-11)	004	EPA 8260B	EPA 8260B
Vinyl chloride	004/010	EPA 8260B	EPA 8260B/8260B SIM
Xylene (total)	004/010	EPA 8260B	EPA 8260B/8260B SIM
cis-1,2-Dichloroethene	004/010	EPA 8260B	EPA 8260B/8260B SIM
cis-1,3-Dichloropropene	004	EPA 8260B	EPA 8260B
m,p-xylene	004/010	EPA 8260B	EPA 8260B/8260B SIM
n-Butylbenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
n-Hexane	004	EPA 8260B	EPA 8260B
n-Propylbenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
o-Xylene	004/010	EPA 8260B	EPA 8260B/8260B SIM
sec-Butylbenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
tert-Butylbenzene	004/010	EPA 8260B	EPA 8260B/8260B SIM
trans-1,2-Dichloroethene	004/010	EPA 8260B	EPA 8260B/8260B SIM
trans-1,3-Dichloropropene	004	EPA 8260B	EPA 8260B
Semi-Volatiles			
Acenaphthene	013/037	-----	EPA 8270D
Acenaphthylene	013/037	-----	EPA 8270D
Anthracene	013/037	-----	EPA 8270D
Benzo(a)anthracene	013/037	-----	EPA 8270D
Benzo(a)pyrene	013/037	-----	EPA 8270D
Benzo(b)fluoranthene	013/037	-----	EPA 8270D
Benzo(e)pyrene	013/037	-----	EPA 8270D
Benzo(g,h,i)perylene	013/037	-----	EPA 8270D
Benzo(k)fluoranthene	013/037	-----	EPA 8270D
Chrysene	013/037	-----	EPA 8270D
Dibenz(a,h)anthracene	013/037	-----	EPA 8270D
Fluoranthene	013/037	-----	EPA 8270D
Fluorene	013/037	-----	EPA 8270D
Indeno(1,2,3-cd)pyrene	013/037	-----	EPA 8270D



Analyte / Parameter	ECCS SOP Number(s)	Non-Potable Water	Solid Hazardous Waste (Soil)
1-Methylnaphthalene	013/037	-----	EPA 8270D
2-Methylnaphthalene	013/037	-----	EPA 8270D
Naphthalene	013/037	-----	EPA 8270D
Phenanthrene	013/037	-----	EPA 8270D
Pyrene	013/037	-----	EPA 8270D
<u>PAHs</u>			
Acenaphthene	030	EPA 8270D SIM	EPA 8270D SIM
Acenaphthylene	030	EPA 8270D SIM	EPA 8270D SIM
Anthracene	030	EPA 8270D SIM	EPA 8270D SIM
Benzo(a)anthracene	030	EPA 8270D SIM	EPA 8270D SIM
Benzo(a)pyrene	030	EPA 8270D SIM	EPA 8270D SIM
Benzo(b)fluoranthene	030	EPA 8270D SIM	EPA 8270D SIM
Benzo(e)pyrene	030	EPA 8270D SIM	EPA 8270D SIM
Benzo(g,h,i)perylene	030	EPA 8270D SIM	EPA 8270D SIM
Benzo(k)fluoranthene	030	EPA 8270D SIM	EPA 8270D SIM
Chrysene	030	EPA 8270D SIM	EPA 8270D SIM
Dibenz(a,h) anthracene	030	EPA 8270D SIM	EPA 8270D SIM
Fluoranthene	030	EPA 8270D SIM	EPA 8270D SIM
Fluorene	030	EPA 8270D SIM	EPA 8270D SIM
Indeno(1,2,3-cd) pyrene	030	EPA 8270D SIM	EPA 8270D SIM
Naphthalene	030	EPA 8270D SIM	EPA 8270D SIM
Phenanthrene	030	EPA 8270D SIM	EPA 8270D SIM
Pyrene	030	EPA 8270D SIM	EPA 8270D SIM
1-Methylnaphthalene	030	EPA 8270D SIM	EPA 8270D SIM
2-Methylnaphthalene	030	EPA 8270D SIM	EPA 8270D SIM
<u>Metals</u>			
Antimony	007/011	EPA 6020A	EPA 6020A/6200
Arsenic	007/011	EPA 6020A	EPA 6020A/6200
Barium	007	EPA 6020A	EPA 6020A/6200
Beryllium	007	EPA 6020A	EPA 6020A
Cadmium	007/011	EPA 6020A	EPA 6020A/6200
Chromium	007/011	EPA 6020A	EPA 6020A/6200
Cobalt	007/011	EPA 6020A	EPA 6020A/6200
Copper	007/011	EPA 6020A	EPA 6020A/6200
Lead	007/011	EPA 6020A	EPA 6020A/6200
Manganese	007	EPA 6020A	EPA 6020A/6200
Mercury	007/011	EPA 6020A	EPA 6020A/6200
Nickel	007/011	EPA 6020A	EPA 6020A/6200
Selenium	007/011	EPA 6020A	EPA 6020A/6200
Silver	007/011	EPA 6020A	EPA 6020A/6200
Thallium	007/011	EPA 6020A	EPA 6020A/6200
Vanadium	007/011	EPA 6020A	EPA 6020A/6200
Zinc	007/011	EPA 6020A	EPA 6020A/6200



¹Testing is performed in both fixed based lab and mobile laboratories.

Preparation Methods

Analytical Method	Water Preparation Method(s)	Soil Preparation Method(s)
-----	EPA 3511/3510C/ 3580A	EPA 3570/3580A
EPA 8081A	EPA 3511/3510C/ 3580A/ 3665A	EPA 3570/3580A/3665A/1311/1312
EPA 8082	EPA 3511/3510C/ 3580A/ 3665A	EPA 3570/3580A/3665 ^a /1311/1312 ASTM D6661-10
EPA 8095	EPA 3511/3510C/3580A	EPA 3570/3580A/1311/1312
EPA 8260	EPA 5030B/3535A	EPA 5035/3585
EPA 8270D	EPA 3511/3570/3580A	EPA 3510C/1311/1312
EPA 6020A	EPA 3050B	EPA 1311/1312/3050B





Accredited Laboratory

A2LA has accredited

PACE ANALYTICAL SERVICES, LLC – MOBILE LAB SERVICES

Madison, WI

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 17025:2005, the 2009 TNI Environmental Testing Laboratory Standard, and the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 5.1 of the DoD Quality System Manual for Environmental Laboratories (QSM), accreditation is granted to this laboratory to perform recognized EPA methods as defined on the associated A2LA Environmental Scope of Accreditation. This accreditation demonstrates technical competence for this defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 29th day of March 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3269.01
Valid to March 31, 2020

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