SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CHEMSOLUTIONS LLC[1]
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ENVIRONMENTAL

Valid To: June 30, 2019 Certificate Number: 2590.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the 2009 TNI Environmental Testing Laboratory Standard), accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below for the test methods applicable to the Wyoming Storage Tank Remediation Laboratory Accreditation Program and the EPA Clean Water Act and to EPA SW846:

Testing Technologies:
Gas Chromatography, Gas Chromatography/Mass Spectrometry

WITHDRAWN

Parameter/Analyte	**Nonpotable Water**	**Solid Hazardous Waste**	
		Aqueous	**Solid**
Purgeable Organics (volatiles)			
Acetone	EPA 8260C	EPA 8260C	EPA 8260C
Acrylonitrile	EPA 8260C	EPA 8260C	EPA 8260C
Benzene	EPA 8260C/624	EPA 8260C	EPA 8260C
Bromobenzene	EPA 8260C	EPA 8260C	EPA 8260C
Bromodichloromethane	EPA 8260C/624	EPA 8260C	EPA 8260C
Bromochloromethane	EPA 8260C	EPA 8260C	EPA 8260C
Bromoform	EPA 8260C/624	EPA 8260C	EPA 8260C
Bromomethane	EPA 8260C/624	EPA 8260C	EPA 8260C
2-Butanone	EPA 8260C	EPA 8260C	EPA 8260C
n-butyl Benzene	EPA 8260C	EPA 8260C	EPA 8260C
sec-butyl Benzene	EPA 8260C	EPA 8260C	EPA 8260C
t-butyl Benzene	EPA 8260C	EPA 8260C	EPA 8260C
Carbon disulfide	EPA 8260C	EPA 8260C	EPA 8260C
Carbon tetrachloride	EPA 8260C/624	EPA 8260C	EPA 8260C
Chlorobenzene	EPA 8260C/624	EPA 8260C	EPA 8260C
Chloroethane	EPA 8260C/624	EPA 8260C	EPA 8260C
2-Chloroethyl vinyl ether	EPA 8260C/624	EPA 8260C	EPA 8260C
Chloroform	EPA 8260C/624	EPA 8260C	EPA 8260C
Chloromethane	EPA 8260C/624	EPA 8260C	EPA 8260C

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	
		Aqueous	Solid
2-Chlorotoulene	EPA 8260C	EPA 8260C	EPA 8260C
4-Chlorotoulene	EPA 8260C	EPA 8260C	EPA 8260C
Dibromochloromethane	EPA 8260C/624	EPA 8260C	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C/8011	EPA 8260C/8011	EPA 8260C
1,2-Dibromoethane	EPA 8260C/8011	EPA 8260C/8011	EPA 8260C
Dibromomethane	EPA 8260C	EPA 8260C	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C/624	EPA 8260C	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C/624	EPA 8260C	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C/624	EPA 8260C	EPA 8260C
Dichlorodifluoromethane	EPA 8260C	EPA 8260C	EPA 8260C
1,2-Dichloroethane	EPA 8260C/624	EPA 8260C	EPA 8260C
1,1-Dichloroethane	EPA 8260C/624	EPA 8260C	EPA 8260C
1,1-Dichloroethene	EPA 8260C/624	EPA 8260C	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C	EPA 8260C	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C/624	EPA 8260C	EPA 8260C
1,2-Dichloropropane	EPA 8260C/624	EPA 8260C	EPA 8260C
1,3-Dichloropropane	EPA 8260C	EPA 8260C	EPA 8260C
2,2-Dichloropropane	EPA 8260C	EPA 8260C	EPA 8260C
1,1-Dichloropropene	EPA 8260C	EPA 8260C	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C/624	EPA 8260C	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C/624	EPA 8260C	EPA 8260C
Diisopropyl ether	EPA 8260C	EPA 8260C	EPA 8260C
1,4-Dioxane	EPA 8260C SIM	EPA 8260C SIM	EPA 8260C SIM
Ethyl benzene	EPA 8260C/624	EPA 8260C	EPA 8260C
Ethyl-t-butyl ether	EPA 8260C	EPA 8260C	EPA 8260C
Hexacholorbutadiene	EPA 8260C	EPA 8260C	EPA 8260C
2-Hexanone	EPA 8260C	EPA 8260C	EPA 8260C
Isopropyl benzene	EPA 8260C	EPA 8260C	EPA 8260C
p-isopropyl Toluene	EPA 8260C	EPA 8260C	EPA 8260C
Methyl-t-butyl ether (MTBE)	EPA 8260C	EPA 8260C	EPA 8260C
Methylene chloride	EPA 8260C/624	EPA 8260C	EPA 8260C
4-Methyl-2-pentanone	EPA 8260C	EPA 8260C	EPA 8260C
Naphthalene	EPA 8260C	EPA 8260C	EPA 8260C
n-Propyl benzene	EPA 8260C	EPA 8260C	EPA 8260C
Styrene	EPA 8260C	EPA 8260C	EPA 8260C
t-amyl Methyl ether	EPA 8260C	EPA 8260C	EPA 8260C
t-butyl alcohol	EPA 8260C	EPA 8260C	EPA 8260C
1,1,1,2-Tetrachloroethane	EPA 8260C	EPA 8260C	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C/624	EPA 8260C	EPA 8260C
Tetrachloroethene	EPA 8260C/624	EPA 8260C	EPA 8260C
Tetrahydrofuran	EPA 8260C	EPA 8260C	EPA 8260C
Toluene	EPA 8260C/624	EPA 8260C	EPA 8260C
1,2,3-Trichlorobenzene	EPA 8260C	EPA 8260C	EPA 8260C
1,2,4-Trichlorobenzene	EPA 8260C	EPA 8260C	EPA 8260C

WITHDRAWN

Parameter/Analyte	**Nonpotable Water**	**Solid Hazardous Waste**	
		Aqueous	**Solid**
1,1,1-Trichloroethane	EPA 8260C/624	EPA 8260C	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C/624	EPA 8260C	EPA 8260C
Trichloroethene	EPA 8260C/624	EPA 8260C	EPA 8260C
Trichlorofluoromethane	EPA 8260C/624	EPA 8260C	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C	EPA 8260C	EPA 8260C
1,2,4-Trimethyl benzene	EPA 8260C	EPA 8260C	EPA 8260C
1,3,5-Trimethyl benzene	EPA 8260C	EPA 8260C	EPA 8260C
Vinyl acetate	EPA 8260C	EPA 8260C	EPA 8260C
Vinyl chloride	EPA 8260C/624	EPA 8260C	EPA 8260C
Xylenes, total	EPA 8260C/624	EPA 8260C/624	EPA 8260C/624
o-Xylene	EPA 8260C/624	EPA 8260C	EPA 8260C
m,p-Xylene	EPA 8260C/624	EPA 8260C	EPA 8260C
Methane, Ethane & Ethene	EPA RSK 175	EPA RSK 175	----------
Gasoline Range Organics $C_6 – C_{10}$	EPA 8260C/8015C	EPA 8260C/8015C	EPA 8260C/8015C
Extractable Organics (semivolatiles)			
Aroclor 1016	EPA 8082A	EPA 8082A	EPA 8082A
Aroclor 1221	EPA 8082A	EPA 8082A	EPA 8082A
Aroclor 1232	EPA 8082A	EPA 8082A	EPA 8082A
Aroclor 1242	EPA 8082A	EPA 8082A	EPA 8082A
Aroclor 1248	EPA 8082A	EPA 8082A	EPA 8082A
Aroclor 1254	EPA 8082A	EPA 8082A	EPA 8082A
Aroclor 1260	EPA 8082A	EPA 8082A	EPA 8082A
Aroclor 1262	EPA8082A	EPA8082A	EPA8082A
Aroclor 1268	EPA 8082A	EPA 8082A	EPA 8082A
Acenaphthene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Acenaphthylene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Anthracene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Benzo(a)anthracene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Benzo(a)pyrene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Benzo(b)fluoranthene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Benzo(g,h,i)perylene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Benzo(k)fluoranthene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Chrysene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Dibenz(a,h)anthracene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Fluorene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Fluoranthene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
1-Methylnaphthalene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
2-Methylnaphthalene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Naphthalene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Phenanthrene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Pyrene	EPA 8270D SIM	EPA 8270D SIM	EPA 8270D SIM
Diesel Range Organics C_{10}-C_{32}	EPA 8015C	EPA 8015C	EPA 8015C

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Wyoming Storage Tank Program

Parameter/Analyte	**Nonpotable Water**	**Solid Hazardous Waste**	
		Aqueous	**Solid**
Purgeable Organics (volatiles)			
Benzene	EPA 8260C	EPA8260C	EPA 8260C
1,2-Dibromoethane	EPA 8011	EPA 8011	----------
1,2 Dichloroethane	EPA 8260C	EPA 8260C	EPA 8260C
Diisopropyl ether	EPA 8260C	EPA 8260C	EPA 8260C
Ethyl benzene	EPA 8260C	EPA 8260C	EPA 8260C
Ethyl-t-butyl ether	EPA 8260C	EPA 8260C	EPA 8260C
Gasoline Range Organics C_6-C_{10}	EPA 8260C/8015C	EPA 8260C/8015C	EPA 8260C/8015C
Methyl-t-butyl ether (MTBE)	EPA 8260C	EPA 8260C	EPA 8260C
Naphthalene	EPA 8260C	EPA 8260C	EPA 8260C
Toluene	EPA 8260C	EPA 8260C	EPA 8260C
t-amyl methyl ether	EPA 8260C	EPA 8260C	EPA 8260C
t-Butyl alcohol	EPA 8260C	EPA 8260C	EPA 8260C
Xylenes, total	EPA 8260C	EPA 8260C	EPA 8260C
o-Xylene	EPA 8260C	EPA 8260C	EPA 8260C
m, p-Xylene	EPA 8260C	EPA 8260C	EPA 8260C
Extractable Organics (semivolatiles)			
Diesel Range Organics C_{10}-C_{32}	EPA 8015C	EPA 8015C	EPA 8015C

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[1]This laboratory offers fixed site and mobile site testing for all Methods and Parameters listed.

Accredited Laboratory

A2LA has accredited

CHEMSOLUTIONS LLC

Centennial, CO

for technical competence in the field of

Environmental Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of *A2LA R206 - Specific Requirements - Environmental Testing Laboratory Accreditation Program* and *A2LA R211 - Specific Requirements - Wyoming Storage Tank Remediation Testing Laboratory Accreditation Program*. 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 8 January 2009*).

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Presented this 9th day of May 2017.

President & CEO
For the Accreditation Council
Certificate Number 2590.01
Valid to June 30, 2019

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