

The State of
Department



Washington
of Ecology

Enthalpy Analytical, LLC - Durham
Durham, NC

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation.

This certificate is effective March 7, 2020 and shall expire March 6, 2021.

Witnessed under my hand on February 21, 2020.

Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
C1036

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Enthalpy Analytical, LLC - Durham

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is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
Air		
1,3-Butadiene	EPA 325B	1
Benzene	EPA 325B	1
Ethylbenzene	EPA 325B	1
m+p-xylene	EPA 325B	1
o-Xylene	EPA 325B	1
Styrene	EPA 325B	1
Toluene	EPA 325B	1
1,3,5-Trimethylbenzene	EPA TO-14A Rev. 2 (1999)	1
1,3-Diethylbenzene	EPA TO-14A Rev. 2 (1999)	1
1-Butene	EPA TO-14A Rev. 2 (1999)	1
1-Hexene	EPA TO-14A Rev. 2 (1999)	1
1-Pentene	EPA TO-14A Rev. 2 (1999)	1
1-Propene	EPA TO-14A Rev. 2 (1999)	1
2,2,4-Trimethylpentane	EPA TO-14A Rev. 2 (1999)	1
2,2-Dimethylbutane	EPA TO-14A Rev. 2 (1999)	1
2,3,4-Trimethylpentane	EPA TO-14A Rev. 2 (1999)	1
2,3-Dimethylbutane	EPA TO-14A Rev. 2 (1999)	1
2,3-Dimethylpentane	EPA TO-14A Rev. 2 (1999)	1
2,4-Dimethylpentane	EPA TO-14A Rev. 2 (1999)	1
2-Ethyltoluene	EPA TO-14A Rev. 2 (1999)	1
2-Methylbutadiene (Isoprene)	EPA TO-14A Rev. 2 (1999)	1

Matrix/Analyte	Method	Notes
Air		
2-Methylbutane (Isopentane)	EPA TO-14A Rev. 2 (1999)	1
2-Methylheptane	EPA TO-14A Rev. 2 (1999)	1
2-Methylhexane	EPA TO-14A Rev. 2 (1999)	1
2-Methylpentane (Isohexane)	EPA TO-14A Rev. 2 (1999)	1
2-methylpropane (Isobutane)	EPA TO-14A Rev. 2 (1999)	1
3-Ethyltoluene	EPA TO-14A Rev. 2 (1999)	1
3-Methylheptane	EPA TO-14A Rev. 2 (1999)	1
3-Methylhexane	EPA TO-14A Rev. 2 (1999)	1
3-Methylpentane	EPA TO-14A Rev. 2 (1999)	1
4-Ethyltoluene	EPA TO-14A Rev. 2 (1999)	1
Acetylene	EPA TO-14A Rev. 2 (1999)	1
Benzene	EPA TO-14A Rev. 2 (1999)	1
cis-2-Butene	EPA TO-14A Rev. 2 (1999)	1
cis-2-pentene	EPA TO-14A Rev. 2 (1999)	1
Cyclohexane	EPA TO-14A Rev. 2 (1999)	1
Cyclopentane	EPA TO-14A Rev. 2 (1999)	1
Ethane	EPA TO-14A Rev. 2 (1999)	1
Ethene	EPA TO-14A Rev. 2 (1999)	1
Ethylbenzene	EPA TO-14A Rev. 2 (1999)	1
Isopropylbenzene	EPA TO-14A Rev. 2 (1999)	1
m+p-xylene	EPA TO-14A Rev. 2 (1999)	1
Methylcyclohexane	EPA TO-14A Rev. 2 (1999)	1
Methylcyclopentane	EPA TO-14A Rev. 2 (1999)	1
n-Butane	EPA TO-14A Rev. 2 (1999)	1
n-Decane	EPA TO-14A Rev. 2 (1999)	1
n-Dodecane	EPA TO-14A Rev. 2 (1999)	1
n-Heptane	EPA TO-14A Rev. 2 (1999)	1
n-Hexane	EPA TO-14A Rev. 2 (1999)	1
n-Nonane	EPA TO-14A Rev. 2 (1999)	1
n-Octane	EPA TO-14A Rev. 2 (1999)	1
n-Pentane	EPA TO-14A Rev. 2 (1999)	1
n-Propane	EPA TO-14A Rev. 2 (1999)	1

Matrix/Analyte	Method	Notes
Air		
n-Propylbenzene	EPA TO-14A Rev. 2 (1999)	1
n-Undecane	EPA TO-14A Rev. 2 (1999)	1
o-Xylene	EPA TO-14A Rev. 2 (1999)	1
p-Diethylbenzene	EPA TO-14A Rev. 2 (1999)	1
Styrene	EPA TO-14A Rev. 2 (1999)	1
Toluene	EPA TO-14A Rev. 2 (1999)	1
trans-2-Butene	EPA TO-14A Rev. 2 (1999)	1
trans-2-pentene	EPA TO-14A Rev. 2 (1999)	1
Xylene (total)	EPA TO-14A Rev. 2 (1999)	1
1,1,1-Trichloroethane	EPA TO-15 Rev. 2 (1999)	1
1,1,2,2-Tetrachloroethane	EPA TO-15 Rev. 2 (1999)	1
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA TO-15 Rev. 2 (1999)	1
1,1,2-Trichloroethane	EPA TO-15 Rev. 2 (1999)	1
1,1-Dichloroethane	EPA TO-15 Rev. 2 (1999)	1
1,1-Dichloroethylene	EPA TO-15 Rev. 2 (1999)	1
1,2,4-Trichlorobenzene	EPA TO-15 Rev. 2 (1999)	1
1,2,4-Trimethylbenzene	EPA TO-15 Rev. 2 (1999)	1
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA TO-15 Rev. 2 (1999)	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	EPA TO-15 Rev. 2 (1999)	1
1,2-Dichlorobenzene	EPA TO-15 Rev. 2 (1999)	1
1,2-Dichloroethane (Ethylene dichloride)	EPA TO-15 Rev. 2 (1999)	1
1,2-Dichloropropane	EPA TO-15 Rev. 2 (1999)	1
1,3,5-Trimethylbenzene	EPA TO-15 Rev. 2 (1999)	1
1,3-Butadiene	EPA TO-15 Rev. 2 (1999)	1
1,3-Dichlorobenzene	EPA TO-15 Rev. 2 (1999)	1
1,4-Dichlorobenzene	EPA TO-15 Rev. 2 (1999)	1
1,4-Dioxane (1,4- Diethyleneoxide)	EPA TO-15 Rev. 2 (1999)	1
1-Propene	EPA TO-15 Rev. 2 (1999)	1
2,2,4-Trimethylpentane	EPA TO-15 Rev. 2 (1999)	1
2-Butanone (Methyl ethyl ketone, MEK)	EPA TO-15 Rev. 2 (1999)	1
2-Hexanone	EPA TO-15 Rev. 2 (1999)	1

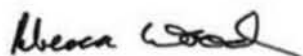
Matrix/Analyte	Method	Notes
Air		
3-Methylpentane	EPA TO-15 Rev. 2 (1999)	1
4-Ethyltoluene	EPA TO-15 Rev. 2 (1999)	1
4-Methyl-2-pentanone (MIBK)	EPA TO-15 Rev. 2 (1999)	1
Acetone	EPA TO-15 Rev. 2 (1999)	1
Acetonitrile	EPA TO-15 Rev. 2 (1999)	1
Acrolein (Propenal)	EPA TO-15 Rev. 2 (1999)	1
Acrylonitrile	EPA TO-15 Rev. 2 (1999)	1
Allyl chloride (3-Chloropropene)	EPA TO-15 Rev. 2 (1999)	1
Benzene	EPA TO-15 Rev. 2 (1999)	1
Benzyl chloride	EPA TO-15 Rev. 2 (1999)	1
Bromodichloromethane	EPA TO-15 Rev. 2 (1999)	1
Bromoform	EPA TO-15 Rev. 2 (1999)	1
Carbon disulfide	EPA TO-15 Rev. 2 (1999)	1
Carbon tetrachloride	EPA TO-15 Rev. 2 (1999)	1
Chlorobenzene	EPA TO-15 Rev. 2 (1999)	1
Chlorodibromomethane	EPA TO-15 Rev. 2 (1999)	1
Chloroform	EPA TO-15 Rev. 2 (1999)	1
cis-1,2-Dichloroethylene	EPA TO-15 Rev. 2 (1999)	1
cis-1,3-Dichloropropene	EPA TO-15 Rev. 2 (1999)	1
Cyclohexane	EPA TO-15 Rev. 2 (1999)	1
Dichlorodifluoromethane (Freon-12)	EPA TO-15 Rev. 2 (1999)	1
Ethyl acetate	EPA TO-15 Rev. 2 (1999)	1
Ethyl chloride	EPA TO-15 Rev. 2 (1999)	1
Ethylbenzene	EPA TO-15 Rev. 2 (1999)	1
Hexachlorobutadiene	EPA TO-15 Rev. 2 (1999)	1
Hexane	EPA TO-15 Rev. 2 (1999)	1
m+p-xylene	EPA TO-15 Rev. 2 (1999)	1
Methyl bromide (Bromomethane)	EPA TO-15 Rev. 2 (1999)	1
Methyl chloride (Chloromethane)	EPA TO-15 Rev. 2 (1999)	1
Methyl methacrylate	EPA TO-15 Rev. 2 (1999)	1
Methyl tert-butyl ether (MTBE)	EPA TO-15 Rev. 2 (1999)	1
Methylene chloride (Dichloromethane)	EPA TO-15 Rev. 2 (1999)	1

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Air		
n-Heptane	EPA TO-15 Rev. 2 (1999)	1
o-Xylene	EPA TO-15 Rev. 2 (1999)	1
Styrene	EPA TO-15 Rev. 2 (1999)	1
Tetrachloroethylene (Perchloroethylene)	EPA TO-15 Rev. 2 (1999)	1
Tetrahydrofuran (THF)	EPA TO-15 Rev. 2 (1999)	1
Toluene	EPA TO-15 Rev. 2 (1999)	1
trans-1,2-Dichloroethylene	EPA TO-15 Rev. 2 (1999)	1
trans-1,3-Dichloropropylene	EPA TO-15 Rev. 2 (1999)	1
Trichloroethene (Trichloroethylene)	EPA TO-15 Rev. 2 (1999)	1
Trichlorofluoromethane (Freon 11)	EPA TO-15 Rev. 2 (1999)	1
Vinyl acetate	EPA TO-15 Rev. 2 (1999)	1
Vinyl bromide	EPA TO-15 Rev. 2 (1999)	1
Vinyl chloride	EPA TO-15 Rev. 2 (1999)	1
Xylene (total)	EPA TO-15 Rev. 2 (1999)	1

Accredited Parameter Note Detail

(1) Accreditation based in part on recognition of Louisiana Department of Environmental Quality accreditation.



02/21/2020

Authentication Signature

Date

Rebecca Wood, Lab Accreditation Unit Supervisor