

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, 2025 and shall expire March 6, 2026.

Witnessed under my hand on March 06, 2025.

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

Durham, NC

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		
Carbon dioxide	ASTM D1946-90 (06)	1
Carbon monoxide	ASTM D1946-90 (06)	1
Hydrogen	ASTM D1946-90 (06)	1
Methane	ASTM D1946-90 (06)	1
Nitrogen	ASTM D1946-90 (06)	1
Oxygen	ASTM D1946-90 (06)	1
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
Toluene	EPA 325B	1
Carbon dioxide	EPA 3C	1
Carbon monoxide	EPA 3C	1
Hydrogen	EPA 3C	1
Methane	EPA 3C	1
Nitrogen	EPA 3C	1
Oxygen	EPA 3C	1
2,5-Dimethylbenzaldehyde	EPA TO-11A Rev 2 (1999)	1
Acetaldehyde	EPA TO-11A Rev 2 (1999)	1
Acrolein (Propenal)	EPA TO-11A Rev 2 (1999)	1
Benzaldehyde	EPA TO-11A Rev 2 (1999)	1
Butylaldehyde	EPA TO-11A Rev 2 (1999)	1
Crotonaldehyde	EPA TO-11A Rev 2 (1999)	1
Formaldehyde	EPA TO-11A Rev 2 (1999)	1
Hexanaldehyde	EPA TO-11A Rev 2 (1999)	1

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Matrix/Analyte	Method	Notes
Air		
Isovaleraldehyde	EPA TO-11A Rev 2 (1999)	1
m-Tolualdehyde	EPA TO-11A Rev 2 (1999)	1
o-Tolualdehyde	EPA TO-11A Rev 2 (1999)	1
Propionaldehyde	EPA TO-11A Rev 2 (1999)	1
p-Tolualdehyde	EPA TO-11A Rev 2 (1999)	1
Valeraldehyde	EPA TO-11A 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
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

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Matrix/Analyte	Method	Notes
Air		
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
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

Matrix/Analyte	Method	Notes
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Accredited Parameter Note Detail

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



03/06/2025

Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

Date