

The State of
Department



Washington
of Ecology

Enthalpy Analytical, LLC - Wilmington
Wilmington, 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 February 7, 2020 and shall expire February 6, 2021.

Witnessed under my hand on February 4, 2020

Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
C1042

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Enthalpy Analytical, LLC - Wilmington

Wilmington, 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		
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA Method 23	1
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA Method 23	1
1,2,3,4,6,7,8-Hpcdd	EPA Method 23	1
1,2,3,4,6,7,8-Hpcdf	EPA Method 23	1
1,2,3,4,7,8,9-Hpcdf	EPA Method 23	1
1,2,3,4,7,8-Hxcdd	EPA Method 23	1
1,2,3,4,7,8-Hxcdf	EPA Method 23	1
1,2,3,6,7,8-Hxcdd	EPA Method 23	1
1,2,3,6,7,8-Hxcdf	EPA Method 23	1
1,2,3,7,8,9-Hxcdd	EPA Method 23	1
1,2,3,7,8,9-Hxcdf	EPA Method 23	1
1,2,3,7,8-Pecdd	EPA Method 23	1
1,2,3,7,8-Pecdf	EPA Method 23	1
2,3,4,6,7,8-Hxcdf	EPA Method 23	1
2,3,4,7,8-Pecdf	EPA Method 23	1
2,3,7,8-TCDD	EPA Method 23	1
2,3,7,8-TCDF	EPA Method 23	1
Hpcdd, total	EPA Method 23	1
Hpcdf, total	EPA Method 23	1
Hxcdd, total	EPA Method 23	1
Hxcdf, total	EPA Method 23	1
Pecdd, total	EPA Method 23	1

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Matrix/Analyte	Method	Notes
Pecdf, total	EPA Method 23	1
TCDD, total	EPA Method 23	1
TCDF, total	EPA Method 23	1
Non-Potable Water		
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 1613B_1994	1
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 1613B_1994	1
1,2,3,4,6,7,8-Hpcdd	EPA 1613B_1994	1
1,2,3,4,6,7,8-Hpcdf	EPA 1613B_1994	1
1,2,3,4,7,8,9-Hpcdf	EPA 1613B_1994	1
1,2,3,4,7,8-Hxcdd	EPA 1613B_1994	1
1,2,3,4,7,8-Hxcdf	EPA 1613B_1994	1
1,2,3,6,7,8-Hxcdd	EPA 1613B_1994	1
1,2,3,6,7,8-Hxcdf	EPA 1613B_1994	1
1,2,3,7,8,9-Hxcdd	EPA 1613B_1994	1
1,2,3,7,8,9-Hxcdf	EPA 1613B_1994	1
1,2,3,7,8-Pecdd	EPA 1613B_1994	1
1,2,3,7,8-Pecdf	EPA 1613B_1994	1
2,3,4,6,7,8-Hxcdf	EPA 1613B_1994	1
2,3,4,7,8-Pecdf	EPA 1613B_1994	1
2,3,7,8-TCDD	EPA 1613B_1994	1
2,3,7,8-TCDF	EPA 1613B_1994	1
Hpcdd, total	EPA 1613B_1994	1
Hpcdf, total	EPA 1613B_1994	1
Hxcdd, total	EPA 1613B_1994	1
Hxcdf, total	EPA 1613B_1994	1
Pecdd, total	EPA 1613B_1994	1
Pecdf, total	EPA 1613B_1994	1
TCDD, total	EPA 1613B_1994	1
TCDF, total	EPA 1613B_1994	1
Solid and Chemical Materials		
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 1613B_1994	1
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 1613B_1994	1
1,2,3,4,6,7,8-Hpcdd	EPA 1613B_1994	1
1,2,3,4,6,7,8-Hpcdf	EPA 1613B_1994	1
1,2,3,4,7,8,9-Hpcdf	EPA 1613B_1994	1

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Matrix/Analyte	Method	Notes
1,2,3,4,7,8-Hxcdd	EPA 1613B_1994	1
1,2,3,4,7,8-Hxcdf	EPA 1613B_1994	1
1,2,3,6,7,8-Hxcdd	EPA 1613B_1994	1
1,2,3,6,7,8-Hxcdf	EPA 1613B_1994	1
1,2,3,7,8,9-Hxcdd	EPA 1613B_1994	1
1,2,3,7,8,9-Hxcdf	EPA 1613B_1994	1
1,2,3,7,8-Pecdd	EPA 1613B_1994	1
1,2,3,7,8-Pecdf	EPA 1613B_1994	1
2,3,4,6,7,8-Hxcdf	EPA 1613B_1994	1
2,3,4,7,8-Pecdf	EPA 1613B_1994	1
2,3,7,8-TCDD	EPA 1613B_1994	1
2,3,7,8-TCDF	EPA 1613B_1994	1
Hpcdd, total	EPA 1613B_1994	1
Hpcdf, total	EPA 1613B_1994	1
Hxcdd, total	EPA 1613B_1994	1
Hxcdf, total	EPA 1613B_1994	1
Pecdd, total	EPA 1613B_1994	1
Pecdf, total	EPA 1613B_1994	1
TCDD, total	EPA 1613B_1994	1
TCDF, total	EPA 1613B_1994	1
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290A_1_(2/07)	1
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290A_1_(2/07)	1
1,2,3,4,6,7,8-Hpcdd	EPA 8290A_1_(2/07)	1
1,2,3,4,6,7,8-Hpcdf	EPA 8290A_1_(2/07)	1
1,2,3,4,7,8,9-Hpcdf	EPA 8290A_1_(2/07)	1
1,2,3,4,7,8-Hxcdd	EPA 8290A_1_(2/07)	1
1,2,3,4,7,8-Hxcdf	EPA 8290A_1_(2/07)	1
1,2,3,6,7,8-Hxcdd	EPA 8290A_1_(2/07)	1
1,2,3,6,7,8-Hxcdf	EPA 8290A_1_(2/07)	1
1,2,3,7,8,9-Hxcdd	EPA 8290A_1_(2/07)	1
1,2,3,7,8,9-Hxcdf	EPA 8290A_1_(2/07)	1
1,2,3,7,8-Pecdd	EPA 8290A_1_(2/07)	1
1,2,3,7,8-Pecdf	EPA 8290A_1_(2/07)	1
2,3,4,6,7,8-Hxcdf	EPA 8290A_1_(2/07)	1
2,3,4,7,8-Pecdf	EPA 8290A_1_(2/07)	1
2,3,7,8-TCDD	EPA 8290A_1_(2/07)	1

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Matrix/Analyte	Method	Notes
2,3,7,8-TCDF	EPA 8290A_1_(2/07)	1
Hpcdd, total	EPA 8290A_1_(2/07)	1
Hpcdf, total	EPA 8290A_1_(2/07)	1
Hxcdd, total	EPA 8290A_1_(2/07)	1
Hxcdf, total	EPA 8290A_1_(2/07)	1
Pecdd, total	EPA 8290A_1_(2/07)	1
Pecdf, total	EPA 8290A_1_(2/07)	1
TCDD, total	EPA 8290A_1_(2/07)	1
TCDF, total	EPA 8290A_1_(2/07)	1

Accredited Parameter Note Detail

(1) Accreditation based in part on recognition of Louisiana LELAP accreditation.



02/04/2020

Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

Date