



Texas Commission on Environmental Quality

NELAP-Recognized Laboratory Accreditation is hereby awarded to



Enthalpy Analytical, LLC - Durham

800-1 Capitola Drive
Durham, NC 27713-4385

in accordance with Texas Water Code Chapter 5, Subchapter R, Title 30 Texas Administrative Code Chapter 25, and the National Environmental Laboratory Accreditation Program.

The laboratory's scope of accreditation includes the fields of accreditation that accompany this certificate. Continued accreditation depends upon successful ongoing participation in the program. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current location(s) and accreditation status for particular methods and analyses (www.tceq.texas.gov/goto/lab). Accreditation does not imply that a product, process, system or person is approved by the Texas Commission on Environmental Quality.

Certificate Number: T104704421-21-18

Effective Date: 11/1/2021

Expiration Date: 10/31/2022

A handwritten signature in black ink, appearing to read "Toby Baker".

**Executive Director Texas Commission on
Environmental Quality**



Texas Commission on Environmental Quality



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Matrix: Air & Emissions

Method ASTM D1946

Analyte	AB	Analyte ID	Method ID
Carbon dioxide	LA-DEQ	3755	30024465
Carbon monoxide	LA-DEQ	3780	30024465
Hydrogen	LA-DEQ	10321	30024465
Methane	LA-DEQ	4926	30024465
Nitrogen	LA-DEQ	1843	30024465
Oxygen	LA-DEQ	3895	30024465

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Antimony	LA-DEQ	1005	10155201
Arsenic	LA-DEQ	1010	10155201
Barium	LA-DEQ	1015	10155201
Beryllium	LA-DEQ	1020	10155201
Cadmium	LA-DEQ	1030	10155201
Chromium	LA-DEQ	1040	10155201
Cobalt	LA-DEQ	1050	10155201
Copper	LA-DEQ	1055	10155201
Lead	LA-DEQ	1075	10155201
Magnesium	LA-DEQ	1085	10155201
Nickel	LA-DEQ	1105	10155201
Phosphorus	LA-DEQ	1910	10155201
Selenium	LA-DEQ	1140	10155201
Silver	LA-DEQ	1150	10155201
Thallium	LA-DEQ	1165	10155201
Zinc	LA-DEQ	1190	10155201

Method EPA 7470A

Analyte	AB	Analyte ID	Method ID
Mercury	LA-DEQ	1095	10165807

Method EPA CTM-008

Analyte	AB	Analyte ID	Method ID
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Acrylonitrile	LA-DEQ	4340	EPA CTM-008
Method EPA CTM-027			
Analyte Ammonia as N	AB LA-DEQ	Analyte ID 1515	Method ID 10214707
Method EPA RM 101A			
Analyte Mercury	AB LA-DEQ	Analyte ID 1095	Method ID 10401204
Method EPA RM 108			
Analyte Arsenic	AB LA-DEQ	Analyte ID 1010	Method ID EPA RM 108
Method EPA RM 12			
Analyte Lead	AB LA-DEQ	Analyte ID 1075	Method ID 10402161
Method EPA RM 17			
Analyte Particulates	AB LA-DEQ	Analyte ID 3915	Method ID 10402707
Method EPA RM 18			
Analyte 1,3-Butadiene	AB LA-DEQ	Analyte ID 9318	Method ID 10246636
1-Propene (Propylene)	LA-DEQ	4836	10246636
2-Butanone (Methyl ethyl ketone, MEK)	LA-DEQ	4410	10246636
Acetaldehyde	LA-DEQ	4300	10246636
Acetic acid	LA-DEQ	9300	10246636
Benzene	LA-DEQ	4375	10246636
Butene (all isomers)	LA-DEQ	10326	10246636
Ethane	LA-DEQ	4747	10246636
Ethene	LA-DEQ	4752	10246636
Ethylbenzene	LA-DEQ	4765	10246636
Methane	LA-DEQ	4926	10246636
Methanol	LA-DEQ	4930	10246636
n-Butane	LA-DEQ	5007	10246636



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n-Hexane	LA-DEQ	4855	10246636
n-Pentane	LA-DEQ	5028	10246636
n-Propane	LA-DEQ	5029	10246636
Toluene	LA-DEQ	5140	10246636
Xylene (total)	LA-DEQ	5260	10246636
Method EPA RM 202			
Analyte	AB	Analyte ID	Method ID
Condensable Particulate Matter	LA-DEQ	10222	10403006
Method EPA RM 26			
Analyte	AB	Analyte ID	Method ID
Bromine	LA-DEQ	1541	10403108
Chlorine	LA-DEQ	1580	10403108
Hydrochloric acid (Hydrogen chloride (gas only))	LA-DEQ	1770	10403108
Hydrogen Bromide (HBr)	LA-DEQ	489	10403108
Hydrogen fluoride (Hydrofluoric acid)	LA-DEQ	1775	10403108
Method EPA RM 26A			
Analyte	AB	Analyte ID	Method ID
Bromine	LA-DEQ	1541	10403200
Chlorine	LA-DEQ	1580	10403200
Hydrochloric acid (Hydrogen chloride (gas only))	LA-DEQ	1770	10403200
Hydrogen Bromide (HBr)	LA-DEQ	489	10403200
Hydrogen fluoride (Hydrofluoric acid)	LA-DEQ	1775	10403200
Method EPA RM 306			
Analyte	AB	Analyte ID	Method ID
Chromium	LA-DEQ	1040	10274472
Method EPA RM 308			
Analyte	AB	Analyte ID	Method ID
Methanol	LA-DEQ	4930	10274507
Method EPA RM 316			
Analyte	AB	Analyte ID	Method ID
Formaldehyde	LA-DEQ	4815	10274449



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Matrix: Air & Emissions

Method	Analyte	AB	Analyte ID	Method ID
Method EPA RM 5	Particulates	LA-DEQ	3915	10404305
Method EPA RM 5A	Particulates	LA-DEQ	3915	10404407
Method EPA RM 5B	Particulates	LA-DEQ	3915	10404509
Method EPA RM 5F	Particulates	LA-DEQ	3915	10404805
Method EPA RM 6	Sulfur dioxide	LA-DEQ	4010	10405206
Method EPA RM 8	Sulfur dioxide	LA-DEQ	4010	10406005
	Sulfuric acid mist, sulfur dioxide	LA-DEQ	4020	10406005
Method EPA TO-14A	1,2,4-Trichlorobenzene	LA-DEQ	5155	10312002
	1,3,5-Trimethylbenzene	LA-DEQ	5215	10312002
	Benzene	LA-DEQ	4375	10312002
	Ethylbenzene	LA-DEQ	4765	10312002
	Styrene	LA-DEQ	5100	10312002
Method EPA TO-15	1,1,1-Trichloroethane	LA-DEQ	5160	10248803
	1,1,2,2-Tetrachloroethane	LA-DEQ	5110	10248803
	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	LA-DEQ	5195	10248803



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1,1,2-Trichloroethane	LA-DEQ	5165	10248803
1,1-Dichloroethane	LA-DEQ	4630	10248803
1,1-Dichloroethylene	LA-DEQ	4640	10248803
1,2,4-Trichlorobenzene	LA-DEQ	5155	10248803
1,2,4-Trimethylbenzene	LA-DEQ	5210	10248803
1,2-Dibromoethane (EDB, Ethylene dibromide)	LA-DEQ	4585	10248803
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	LA-DEQ	4695	10248803
1,2-Dichlorobenzene	LA-DEQ	4610	10248803
1,2-Dichloroethane (Ethylene dichloride)	LA-DEQ	4635	10248803
1,2-Dichloropropane	LA-DEQ	4655	10248803
1,3,5-Trimethylbenzene	LA-DEQ	5215	10248803
1,3-Butadiene	LA-DEQ	9318	10248803
1,3-Dichlorobenzene	LA-DEQ	4615	10248803
1,4-Dichlorobenzene	LA-DEQ	4620	10248803
1,4-Dioxane (1,4-Diethyleneoxide)	LA-DEQ	4735	10248803
2,2,4-Trimethylpentane (Isooctane)	LA-DEQ	5220	10248803
2-Butanone (Methyl ethyl ketone, MEK)	LA-DEQ	4410	10248803
3-Methylpentane	LA-DEQ	4534	10248803
4-Ethyltoluene	LA-DEQ	4542	10248803
Acetonitrile	LA-DEQ	4320	10248803
Acrylonitrile	LA-DEQ	4340	10248803
Benzene	LA-DEQ	4375	10248803
Benzyl chloride	LA-DEQ	5635	10248803
Bromodichloromethane	LA-DEQ	4395	10248803
Bromoform	LA-DEQ	4400	10248803
Carbon tetrachloride	LA-DEQ	4455	10248803
Chlorobenzene	LA-DEQ	4475	10248803
Chlorodibromomethane	LA-DEQ	4575	10248803
Chloroethane (Ethyl chloride)	LA-DEQ	4485	10248803
Chloroform	LA-DEQ	4505	10248803



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Matrix: Air & Emissions

cis-1,2-Dichloroethylene	LA-DEQ	4645	10248803
cis-1,3-Dichloropropene	LA-DEQ	4680	10248803
Cyclohexane	LA-DEQ	4555	10248803
Dichlorodifluoromethane (Freon-12)	LA-DEQ	4625	10248803
Ethylbenzene	LA-DEQ	4765	10248803
Hexachlorobutadiene	LA-DEQ	4835	10248803
m+p-xylene	LA-DEQ	5240	10248803
Methyl bromide (Bromomethane)	LA-DEQ	4950	10248803
Methyl chloride (Chloromethane)	LA-DEQ	4960	10248803
Methyl isobutyl ketone (Hexone) (MIBK)	LA-DEQ	4985	10248803
Methyl methacrylate	LA-DEQ	4990	10248803
Methyl tert-butyl ether (MTBE)	LA-DEQ	5000	10248803
Methylene chloride (Dichloromethane)	LA-DEQ	4975	10248803
n-Heptane	LA-DEQ	4825	10248803
n-Hexane	LA-DEQ	4855	10248803
o-Xylene	LA-DEQ	5250	10248803
Styrene	LA-DEQ	5100	10248803
Tetrachloroethylene (Perchloroethylene)	LA-DEQ	5115	10248803
Toluene	LA-DEQ	5140	10248803
trans-1,2-Dichloroethylene	LA-DEQ	4700	10248803
trans-1,3-Dichloropropylene	LA-DEQ	4685	10248803
Trichloroethene (Trichloroethylene)	LA-DEQ	5170	10248803
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	LA-DEQ	5175	10248803
Vinyl acetate	LA-DEQ	5225	10248803
Vinyl bromide (Bromoethene)	LA-DEQ	5230	10248803
Vinyl chloride	LA-DEQ	5235	10248803
Xylene (total)	LA-DEQ	5260	10248803