

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 21, 2024

Mr. Clifford Baldrige
Enthalpy Analytical, LLC - Durham
800-1 Capitola Drive
Durham, NC 27713-4385

Subject: Texas NELAP accreditation renewal

Dear Mr. Baldrige:

I am writing to congratulate you and the staff of *Enthalpy Analytical, LLC - Durham*. Based on your application and primary NELAP accreditation from the state of Louisiana, pursuant to authorization from the Executive Director of the Texas Commission on Environmental Quality, the Program Manager of the Quality Assurance Section has issued your laboratory secondary NELAP accreditation according to the attached Fields of Accreditation.

I am enclosing the accreditation certificate and Fields of Accreditation listing. Please review the enclosures for accuracy and completeness. Your laboratory's accreditation is valid until the expiration date on the certificate and scope, contingent on continued compliance with the requirements of the state of Texas as well as those of your primary accreditation body.

Please contact me at frank.jamison@tceq.texas.gov if I can provide any additional information or assistance.

Sincerely,

A handwritten signature in blue ink, appearing to read "Frank Jamison".

Frank Jamison
Data and Records Specialist

Enclosures



Texas Commission on
Environmental Quality

Certificate of Accreditation



Accreditation is hereby granted to

Enthalpy Analytical, LLC - Durham
800-1 Capitola Drive
Durham, NC 27713-4385

State Lab ID: T104704421
Effective Date: 11/01/2024
Expiration Date: 10/31/2025
Certificate ID: TX-C24-00357

Conditions of Accreditation

This laboratory has been found to conform with TCEQ rules and applicable standards for laboratory accreditation. The scope of accreditation is limited to the Fields of Accreditation (FoA) specifically listed on the subsequent page(s) of this certificate. Accreditation is for all version of a method approved per 40 CFR 136, 40 CFR 141, and/or 40 CFR 143. Continued accreditation requires ongoing compliance with all applicable standards and requirements.

Note: For the attached FoA table, matrices may include DW (drinking water), NPW (non-potable water), S (solid and chemical materials), A (air), and/or BT (biological tissue).

A handwritten signature in black ink, appearing to read "K Keel".

Issued By: Kelly Keel, Executive Director Texas Commission on Environmental Quality
Date Issued: 11/01/2024

Laboratory Fields of Accreditation

Matrix	Method	Method Code	Analyte	Analyte Code	AB
A	ASTM D1946	30024465	Carbon dioxide	3755	LA-DEQ
A	ASTM D1946	30024465	Carbon monoxide	3780	LA-DEQ
A	ASTM D1946	30024465	Hydrogen	1772	LA-DEQ
A	ASTM D1946	30024465	Methane	4926	LA-DEQ
A	ASTM D1946	30024465	Nitrogen	1843	LA-DEQ
A	ASTM D1946	30024465	Oxygen	3895	LA-DEQ
A	EPA 101A	10401204	Mercury	1095	LA-DEQ
A	EPA 6010	10155201	Antimony	1005	LA-DEQ
A	EPA 6010	10155201	Arsenic	1010	LA-DEQ
A	EPA 6010	10155201	Barium	1015	LA-DEQ
A	EPA 6010	10155201	Beryllium	1020	LA-DEQ
A	EPA 6010	10155201	Cadmium	1030	LA-DEQ
A	EPA 6010	10155201	Chromium	1040	LA-DEQ
A	EPA 6010	10155201	Cobalt	1050	LA-DEQ
A	EPA 6010	10155201	Copper	1055	LA-DEQ
A	EPA 6010	10155201	Lead	1075	LA-DEQ
A	EPA 6010	10155201	Magnesium	1085	LA-DEQ
A	EPA 6010	10155201	Nickel	1105	LA-DEQ
A	EPA 6010	10155201	Selenium	1140	LA-DEQ
A	EPA 6010	10155201	Silver	1150	LA-DEQ
A	EPA 6010	10155201	Thallium	1165	LA-DEQ
A	EPA 6010	10155201	Total Phosphorus	1910	LA-DEQ

A	EPA 6010	10155201	Zinc	1190	LA-DEQ
A	EPA 7470	10165807	Mercury	1095	LA-DEQ
A	EPA CTM-008	10214558	Acrylonitrile	4340	LA-DEQ
A	EPA CTM-027	10214707	Ammonia as N	1515	LA-DEQ
A	EPA Method 12	10402161	Lead	1075	LA-DEQ
A	EPA Method 17	10402707	Particulate Matter	3915	LA-DEQ
A	EPA Method 18	10246636	1,3-Butadiene	9318	LA-DEQ
A	EPA Method 18	10246636	2-Butanone (Methyl ethyl ketone, MEK)	4410	LA-DEQ
A	EPA Method 18	10246636	Acetaldehyde	4300	LA-DEQ
A	EPA Method 18	10246636	Acetic acid	9300	LA-DEQ
A	EPA Method 18	10246636	Benzene	4375	LA-DEQ
A	EPA Method 18	10246636	Ethane	4747	LA-DEQ
A	EPA Method 18	10246636	Ethene	4752	LA-DEQ
A	EPA Method 18	10246636	Ethylbenzene	4765	LA-DEQ
A	EPA Method 18	10246636	Methane	4926	LA-DEQ
A	EPA Method 18	10246636	Methanol	4930	LA-DEQ
A	EPA Method 18	10246636	n-Butane	5007	LA-DEQ
A	EPA Method 18	10246636	n-Hexane	4855	LA-DEQ
A	EPA Method 18	10246636	n-Pentane	5028	LA-DEQ
A	EPA Method 18	10246636	n-Propane	5029	LA-DEQ
A	EPA Method 18	10246636	Propene	4836	LA-DEQ
A	EPA Method 18	10246636	Toluene	5140	LA-DEQ
A	EPA Method 18	10246636	Total Butene (all isomers)	5142	LA-DEQ
A	EPA Method 18	10246636	Total Xylene	5260	LA-DEQ

A	EPA Method 202	10403006	Condensable Particulate Matter	4467	LA-DEQ
A	EPA Method 26	10403108	Bromine	1541	LA-DEQ
A	EPA Method 26	10403108	Chlorine	1580	LA-DEQ
A	EPA Method 26	10403108	Hydrobromic Acid (Hydrogen Bromide)	1768	LA-DEQ
A	EPA Method 26	10403108	Hydrochloric acid (Hydrogen chloride (gas only))	1770	LA-DEQ
A	EPA Method 26	10403108	Hydrogen fluoride (Hydrofluoric acid)	1775	LA-DEQ
A	EPA Method 26A	10403200	Bromine	1541	LA-DEQ
A	EPA Method 26A	10403200	Chlorine	1580	LA-DEQ
A	EPA Method 26A	10403200	Hydrobromic Acid (Hydrogen Bromide)	1768	LA-DEQ
A	EPA Method 26A	10403200	Hydrochloric acid (Hydrogen chloride (gas only))	1770	LA-DEQ
A	EPA Method 26A	10403200	Hydrogen fluoride (Hydrofluoric acid)	1775	LA-DEQ
A	EPA Method 306	10274472	Chromium	1040	LA-DEQ
A	EPA Method 308	10274507	Methanol	4930	LA-DEQ
A	EPA Method 316	10274449	Formaldehyde	4815	LA-DEQ
A	EPA Method 5	10404305	Particulate Matter	3915	LA-DEQ
A	EPA Method 5A	10404407	Particulate Matter	3915	LA-DEQ
A	EPA Method 5B	10404509	Particulate Matter	3915	LA-DEQ
A	EPA Method 5F	10404805	Particulate Matter	3915	LA-DEQ
A	EPA Method 6	10405206	Sulfur dioxide	4010	LA-DEQ
A	EPA Method 8	10406005	Sulfur dioxide	4010	LA-DEQ
A	EPA Method 8	10406005	Sulfuric acid mist, sulfur dioxide	4020	LA-DEQ
A	EPA TO-15	10248803	1,1,1-Trichloroethane	5160	LA-DEQ
A	EPA TO-15	10248803	1,1,2,2-Tetrachloroethane	5110	LA-DEQ
A	EPA TO-15	10248803	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5185	LA-DEQ

A	EPA TO-15	10248803	1,1,2-Trichloroethane	5165	LA-DEQ
A	EPA TO-15	10248803	1,1-Dichloroethane	4630	LA-DEQ
A	EPA TO-15	10248803	1,1-Dichloroethylene	4640	LA-DEQ
A	EPA TO-15	10248803	1,2,4-Trichlorobenzene	5155	LA-DEQ
A	EPA TO-15	10248803	1,2,4-Trimethylbenzene	5210	LA-DEQ
A	EPA TO-15	10248803	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	LA-DEQ
A	EPA TO-15	10248803	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4695	LA-DEQ
A	EPA TO-15	10248803	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	LA-DEQ
A	EPA TO-15	10248803	1,2-Dichloroethane (Ethylene dichloride)	4635	LA-DEQ
A	EPA TO-15	10248803	1,2-Dichloropropane	4655	LA-DEQ
A	EPA TO-15	10248803	1,3,5-Trimethylbenzene	5215	LA-DEQ
A	EPA TO-15	10248803	1,3-Butadiene	9318	LA-DEQ
A	EPA TO-15	10248803	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	LA-DEQ
A	EPA TO-15	10248803	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	LA-DEQ
A	EPA TO-15	10248803	1,4-Dioxane (1,4- Diethyleneoxide)	4735	LA-DEQ
A	EPA TO-15	10248803	2,2,4-Trimethylpentane	5220	LA-DEQ
A	EPA TO-15	10248803	2-Butanone (Methyl ethyl ketone, MEK)	4410	LA-DEQ
A	EPA TO-15	10248803	3-Methylpentane	4534	LA-DEQ
A	EPA TO-15	10248803	4-Ethyltoluene	4542	LA-DEQ
A	EPA TO-15	10248803	Acetonitrile	4320	LA-DEQ
A	EPA TO-15	10248803	Acrylonitrile	4340	LA-DEQ
A	EPA TO-15	10248803	Benzene	4375	LA-DEQ
A	EPA TO-15	10248803	Benzyl chloride	5635	LA-DEQ
A	EPA TO-15	10248803	Bromodichloromethane	4395	LA-DEQ

A	EPA TO-15	10248803	Bromoform	4400	LA-DEQ
A	EPA TO-15	10248803	Carbon tetrachloride	4455	LA-DEQ
A	EPA TO-15	10248803	Chlorobenzene	4475	LA-DEQ
A	EPA TO-15	10248803	Chlorodibromomethane	4575	LA-DEQ
A	EPA TO-15	10248803	Chloroethane (Ethyl chloride)	4485	LA-DEQ
A	EPA TO-15	10248803	Chloroform	4505	LA-DEQ
A	EPA TO-15	10248803	cis-1,2-Dichloroethylene	4645	LA-DEQ
A	EPA TO-15	10248803	cis-1,3-Dichloropropene	4680	LA-DEQ
A	EPA TO-15	10248803	Cyclohexane	4555	LA-DEQ
A	EPA TO-15	10248803	Dichlorodifluoromethane (Freon-12)	4625	LA-DEQ
A	EPA TO-15	10248803	Ethylbenzene	4765	LA-DEQ
A	EPA TO-15	10248803	Hexachlorobutadiene	4835	LA-DEQ
A	EPA TO-15	10248803	m+p-xylene	5240	LA-DEQ
A	EPA TO-15	10248803	Methyl bromide (Bromomethane)	4950	LA-DEQ
A	EPA TO-15	10248803	Methyl chloride (Chloromethane)	4960	LA-DEQ
A	EPA TO-15	10248803	Methyl isobutyl ketone (Hexone)	4985	LA-DEQ
A	EPA TO-15	10248803	Methyl methacrylate	4990	LA-DEQ
A	EPA TO-15	10248803	Methyl tert-butyl ether (MTBE)	5000	LA-DEQ
A	EPA TO-15	10248803	Methylene chloride (Dichloromethane)	4975	LA-DEQ
A	EPA TO-15	10248803	n-Heptane	4825	LA-DEQ
A	EPA TO-15	10248803	n-Hexane	4855	LA-DEQ
A	EPA TO-15	10248803	o-Xylene	5250	LA-DEQ
A	EPA TO-15	10248803	Styrene	5100	LA-DEQ
A	EPA TO-15	10248803	Tetrachloroethylene (Perchloroethylene)	5115	LA-DEQ

A	EPA TO-15	10248803	Toluene	5140	LA-DEQ
A	EPA TO-15	10248803	Total Xylene	5260	LA-DEQ
A	EPA TO-15	10248803	trans-1,2-Dichloroethylene	4700	LA-DEQ
A	EPA TO-15	10248803	trans-1,3-Dichloropropylene	4685	LA-DEQ
A	EPA TO-15	10248803	Trichloroethene (Trichloroethylene)	5170	LA-DEQ
A	EPA TO-15	10248803	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175	LA-DEQ
A	EPA TO-15	10248803	Vinyl acetate	5225	LA-DEQ
A	EPA TO-15	10248803	Vinyl bromide (Bromoethene)	5230	LA-DEQ
A	EPA TO-15	10248803	Vinyl chloride (Chloroethene)	5235	LA-DEQ