



**STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Is hereby granting a Louisiana Environmental Laboratory Accreditation to**



**Enthalpy Analytical LLC  
931 Seaco Ct  
Deer Park, Texas 77536**

**Agency Interest No. 83657  
Activity No. ACC20200001**

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and agrees to adapt to any changes in the requirements. It also acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I and the 2009 TNI standards by which the laboratory was assessed. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:I.4711.

**Cheryl Sonnier Nolan**  
Administrator  
Public Participation and Permit Support Services Division

**Issued Date:** 13 July 2020  
**Effective Date:** July 1, 2020  
**Expiration Date:** June 30, 2021  
**Certificate Number:** 03067



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

Enthalpy Analytical LLC  
AI Number: 83657  
Activity No. ACC20200001  
Expiration Date: June 30, 2021

Effective Date: July 1, 2020

931 Seaco Ct, Deer Park, Texas 77536

Certificate Number: 03067

**Air Emissions**

Analyte	Method Name	Method Code	Type	AB
1000 - Aluminum	EPA Method 29	1862	NELAP	LA
1005 - Antimony	EPA Method 29	1862	NELAP	LA
1010 - Arsenic	EPA Method 29	1862	NELAP	LA
1015 - Barium	EPA Method 29	1862	NELAP	LA
1020 - Beryllium	EPA Method 29	1862	NELAP	LA
1030 - Cadmium	EPA Method 29	1862	NELAP	LA
1040 - Chromium	EPA Method 29	1862	NELAP	LA
1050 - Cobalt	EPA Method 29	1862	NELAP	LA
1055 - Copper	EPA Method 29	1862	NELAP	LA
1070 - Iron	EPA Method 29	1862	NELAP	LA
1075 - Lead	EPA Method 29	1862	NELAP	LA
1090 - Manganese	EPA Method 29	1862	NELAP	LA
1095 - Mercury	EPA Method 29	1862	NELAP	LA
1100 - Molybdenum	EPA Method 29	1862	NELAP	LA
1105 - Nickel	EPA Method 29	1862	NELAP	LA
1140 - Selenium	EPA Method 29	1862	NELAP	LA
1150 - Silver	EPA Method 29	1862	NELAP	LA
1165 - Thallium	EPA Method 29	1862	NELAP	LA
1910 - Total Phosphorus	EPA Method 29	1862	NELAP	LA
1185 - Vanadium	EPA Method 29	1862	NELAP	LA
1190 - Zinc	EPA Method 29	1862	NELAP	LA
3915 - Particulates	TCEQ-23	2533	NELAP	TX
4375 - Benzene	EPA 325B	2978	NELAP	LA
3805 - Fine particulates <2.5 um	40 CFR Part 50 Appendix L	10000709	NELAP	TX
3840 - Hydrogen sulfide	EPA 11	10004109	NELAP	TX
1045 - Chromium VI	EPA 7199	10163005	NELAP	TX
1515 - Ammonia as N	EPA CTM-027	10214707	NELAP	TX
9318 - 1,3-Butadiene	EPA Method 18	10246636	NELAP	TX
4836 - 1-Propene	EPA Method 18	10246636	NELAP	TX
4375 - Benzene	EPA Method 18	10246636	NELAP	TX
5142 - Butene (all isomers)	EPA Method 18	10246636	NELAP	TX
4747 - Ethane	EPA Method 18	10246636	NELAP	TX
4752 - Ethene	EPA Method 18	10246636	NELAP	TX
4765 - Ethylbenzene	EPA Method 18	10246636	NELAP	TX
100170 - Gaseous Organic Compound Emissions	EPA Method 18	10246636	NELAP	LA
4926 - Methane	EPA Method 18	10246636	NELAP	TX
5140 - Toluene	EPA Method 18	10246636	NELAP	TX
5260 - Xylene (total)	EPA Method 18	10246636	NELAP	TX
5007 - n-Butane	EPA Method 18	10246636	NELAP	TX
4855 - n-Hexane	EPA Method 18	10246636	NELAP	TX
5028 - n-Pentane	EPA Method 18	10246636	NELAP	TX
5029 - n-Propane	EPA Method 18	10246636	NELAP	TX
5160 - 1,1,1-Trichloroethane	EPA TO-14A	10248609	NELAP	TX
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA TO-14A	10248609	NELAP	TX
4630 - 1,1-Dichloroethane	EPA TO-14A	10248609	NELAP	TX
4640 - 1,1-Dichloroethylene	EPA TO-14A	10248609	NELAP	TX
4585 - 1,2-Dibromoethane (EDB, Ethylene	EPA TO-14A	10248609	NELAP	TX

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.

## Air Emissions

Analyte	Method Name	Method Code	Type	AB
dibromide)				
4610 - 1,2-Dichlorobenzene	EPA TO-14A	10248609	NELAP	TX
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA TO-14A	10248609	NELAP	TX
4655 - 1,2-Dichloropropane	EPA TO-14A	10248609	NELAP	TX
5215 - 1,3,5-Trimethylbenzene	EPA TO-14A	10248609	NELAP	TX
4615 - 1,3-Dichlorobenzene	EPA TO-14A	10248609	NELAP	TX
4620 - 1,4-Dichlorobenzene	EPA TO-14A	10248609	NELAP	TX
4375 - Benzene	EPA TO-14A	10248609	NELAP	TX
5635 - Benzyl chloride	EPA TO-14A	10248609	NELAP	TX
4455 - Carbon tetrachloride	EPA TO-14A	10248609	NELAP	TX
4475 - Chlorobenzene	EPA TO-14A	10248609	NELAP	TX
4485 - Chloroethane (Ethyl chloride)	EPA TO-14A	10248609	NELAP	TX
4505 - Chloroform	EPA TO-14A	10248609	NELAP	TX
4765 - Ethylbenzene	EPA TO-14A	10248609	NELAP	TX
4835 - Hexachlorobutadiene	EPA TO-14A	10248609	NELAP	TX
4950 - Methyl bromide (Bromomethane)	EPA TO-14A	10248609	NELAP	TX
4960 - Methyl chloride (Chloromethane)	EPA TO-14A	10248609	NELAP	TX
4975 - Methylene chloride (Dichloromethane)	EPA TO-14A	10248609	NELAP	TX
5100 - Styrene	EPA TO-14A	10248609	NELAP	TX
5115 - Tetrachloroethylene (Perchloroethylene)	EPA TO-14A	10248609	NELAP	TX
5140 - Toluene	EPA TO-14A	10248609	NELAP	TX
5170 - Trichloroethene (Trichloroethylene)	EPA TO-14A	10248609	NELAP	TX
5235 - Vinyl chloride	EPA TO-14A	10248609	NELAP	TX
5260 - Xylene (total)	EPA TO-14A	10248609	NELAP	TX
4645 - cis-1,2-Dichloroethylene	EPA TO-14A	10248609	NELAP	TX
4680 - cis-1,3-Dichloropropene	EPA TO-14A	10248609	NELAP	TX
5160 - 1,1,1-Trichloroethane	EPA TO-15	10248803	NELAP	TX
5110 - 1,1,2,2-Tetrachloroethane	EPA TO-15	10248803	NELAP	TX
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA TO-15	10248803	NELAP	TX
5165 - 1,1,2-Trichloroethane	EPA TO-15	10248803	NELAP	TX
4630 - 1,1-Dichloroethane	EPA TO-15	10248803	NELAP	TX
4640 - 1,1-Dichloroethylene	EPA TO-15	10248803	NELAP	TX
5155 - 1,2,4-Trichlorobenzene	EPA TO-15	10248803	NELAP	TX
5210 - 1,2,4-Trimethylbenzene	EPA TO-15	10248803	NELAP	TX
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA TO-15	10248803	NELAP	TX
4695 - 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)	EPA TO-15	10248803	NELAP	TX
4610 - 1,2-Dichlorobenzene	EPA TO-15	10248803	NELAP	TX
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA TO-15	10248803	NELAP	TX
4655 - 1,2-Dichloropropane	EPA TO-15	10248803	NELAP	TX
5215 - 1,3,5-Trimethylbenzene	EPA TO-15	10248803	NELAP	TX
9318 - 1,3-Butadiene	EPA TO-15	10248803	NELAP	TX
4615 - 1,3-Dichlorobenzene	EPA TO-15	10248803	NELAP	TX
4620 - 1,4-Dichlorobenzene	EPA TO-15	10248803	NELAP	TX
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA TO-15	10248803	NELAP	TX
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA TO-15	10248803	NELAP	TX
4542 - 4-Ethyltoluene	EPA TO-15	10248803	NELAP	TX
4995 - 4-Methyl-2-pentanone (MIBK)	EPA TO-15	10248803	NELAP	TX

Enthalpy Analytical LLC

Effective Date: July 1, 2020

Certificate Number: 03067

AI Number: 83657  
Activity No. ACC20200001  
Expiration Date: June 30, 2021

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.

## Air Emissions

Analyte	Method Name	Method Code	Type	AB
4375 - Benzene	EPA TO-15	10248803	NELAP	TX
4395 - Bromodichloromethane	EPA TO-15	10248803	NELAP	TX
4400 - Bromoform	EPA TO-15	10248803	NELAP	TX
4455 - Carbon tetrachloride	EPA TO-15	10248803	NELAP	TX
4475 - Chlorobenzene	EPA TO-15	10248803	NELAP	TX
4575 - Chlorodibromomethane (dibromochloromethane)	EPA TO-15	10248803	NELAP	TX
4485 - Chloroethane (Ethyl chloride)	EPA TO-15	10248803	NELAP	TX
4505 - Chloroform	EPA TO-15	10248803	NELAP	TX
4555 - Cyclohexane	EPA TO-15	10248803	NELAP	TX
4625 - Dichlorodifluoromethane (Freon-12)	EPA TO-15	10248803	NELAP	TX
4765 - Ethylbenzene	EPA TO-15	10248803	NELAP	TX
4835 - Hexachlorobutadiene	EPA TO-15	10248803	NELAP	TX
4950 - Methyl bromide (Bromomethane)	EPA TO-15	10248803	NELAP	TX
4960 - Methyl chloride (Chloromethane)	EPA TO-15	10248803	NELAP	TX
5000 - Methyl tert-butyl ether (MTBE)	EPA TO-15	10248803	NELAP	TX
4975 - Methylene chloride (Dichloromethane)	EPA TO-15	10248803	NELAP	TX
4836 - Propylene	EPA TO-15	10248803	NELAP	TX
5100 - Styrene	EPA TO-15	10248803	NELAP	TX
5115 - Tetrachloroethylene (Perchloroethylene)	EPA TO-15	10248803	NELAP	TX
5140 - Toluene	EPA TO-15	10248803	NELAP	TX
5170 - Trichloroethene (Trichloroethylene)	EPA TO-15	10248803	NELAP	TX
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA TO-15	10248803	NELAP	TX
5225 - Vinyl acetate	EPA TO-15	10248803	NELAP	TX
5235 - Vinyl chloride	EPA TO-15	10248803	NELAP	TX
5260 - Xylene (total)	EPA TO-15	10248803	NELAP	TX
4645 - cis-1,2-Dichloroethylene	EPA TO-15	10248803	NELAP	TX
4680 - cis-1,3-Dichloropropene	EPA TO-15	10248803	NELAP	TX
5240 - m+p-xylene	EPA TO-15	10248803	NELAP	TX
5250 - o-Xylene	EPA TO-15	10248803	NELAP	TX
4930 - Methanol	EPA 308	10274507	NELAP	TX
4815 - Formaldehyde	EPA 323	10274585	NELAP	LA
100120 - Particulate and Methylene Chloride Extractable Matter (MCEM)	EPA 315	10277153	NELAP	TX
5110 - 1,1,2,2-Tetrachloroethane	EPA TO-14A, Rev.2	10312002	NELAP	TX
5165 - 1,1,2-Trichloroethane	EPA TO-14A, Rev.2	10312002	NELAP	TX
5155 - 1,2,4-Trichlorobenzene	EPA TO-14A, Rev.2	10312002	NELAP	TX
5210 - 1,2,4-Trimethylbenzene	EPA TO-14A, Rev.2	10312002	NELAP	TX
4695 - 1,2-Dichloro-1,1,2,2- tetrafluoroethane (Freon-114)	EPA TO-14A, Rev.2	10312002	NELAP	TX
4625 - Dichlorodifluoromethane (Freon-12)	EPA TO-14A, Rev.2	10312002	NELAP	TX
4700 - trans-1,2-Dichloroethylene	EPA TO-14A, Rev.2	10312002	NELAP	TX
4685 - trans-1,3-Dichloropropylene	EPA TO-14A, Rev.2	10312002	NELAP	TX
3915 - Particulates	EPA 17	10402707	NELAP	TX
4467 - Condensable Particulate Matter	EPA 202	10403006	NELAP	TX
1541 - Bromine	EPA 26	10403108	NELAP	TX
1580 - Chlorine	EPA 26	10403108	NELAP	TX
1770 - Hydrochloric acid (Hydrogen chloride (gas only))	EPA 26	10403108	NELAP	TX
1768 - Hydrogen Bromide (HBr)	EPA 26	10403108	NELAP	TX
1775 - Hydrogen fluoride (Hydrofluoric acid)	EPA 26	10403108	NELAP	TX

Enthalpy Analytical LLC

Effective Date: July 1, 2020

Certificate Number: 03067

AI Number: 83657  
Activity No. ACC20200001  
Expiration Date: June 30, 2021

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.

## Air Emissions

Analyte	Method Name	Method Code	Type	AB
3835 - Hydrogen halides and halogens	EPA 26	10403108	NELAP	TX
1541 - Bromine	EPA Method 26A	10403200	NELAP	TX
1580 - Chlorine	EPA Method 26A	10403200	NELAP	TX
1770 - Hydrochloric acid (Hydrogen chloride (gas only))	EPA Method 26A	10403200	NELAP	TX
1768 - Hydrogen Bromide (HBr)	EPA Method 26A	10403200	NELAP	TX
1775 - Hydrogen fluoride (Hydrofluoric acid)	EPA Method 26A	10403200	NELAP	TX
3835 - Hydrogen halides and halogens	EPA Method 26A	10403200	NELAP	TX
1095 - Mercury	EPA 30B	10404203	NELAP	LA
3915 - Particulates	EPA 5	10404305	NELAP	TX
3915 - Particulates	EPA 5A	10404407	NELAP	TX
3915 - Particulates	EPA 5B	10404509	NELAP	TX
3915 - Particulates	EPA Method 5D	10404601	NELAP	TX
3915 - Particulates	EPA 5F	10404805	NELAP	TX
3915 - Particulates	EPA 5G	10404907	NELAP	TX
3915 - Particulates	EPA 5H	10405002	NELAP	TX
3915 - Particulates	EPA 5I	10405104	NELAP	TX
3755 - Carbon dioxide	ASTM D1946-90, Rev.1990	30024465	NELAP	TX
3780 - Carbon monoxide	ASTM D1946-90, Rev.1990	30024465	NELAP	TX
4747 - Ethane	ASTM D1946-90, Rev.1990	30024465	NELAP	TX
100806 - Hydrocarbons and Fixed Gases	ASTM D1946-90, Rev.1990	30024465	NELAP	LA
1772 - Hydrogen	ASTM D1946-90, Rev.1990	30024465	NELAP	TX
4926 - Methane	ASTM D1946-90, Rev.1990	30024465	NELAP	TX
1843 - Nitrogen	ASTM D1946-90, Rev.1990	30024465	NELAP	TX
3895 - Oxygen	ASTM D1946-90, Rev.1990	30024465	NELAP	TX
4815 - Formaldehyde	NCASI 98.01	60031358	NELAP	LA

## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE

## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE

## Biological Tissue

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE