



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. ACC20210002

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 Standard 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.

Tonya Landry
Administrator
Public Participation and Permit Support Services Division

Issued Date: 3/28/2022

Effective on Issue Date
Expiration Date: **June 30, 2022**
Certificate Number: **03067**



STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Effective Date: March 28, 2022

931 Seaco Ct, Deer Park, Texas 77536

Certificate Number: 03067

Enthalpy Analytical LLC
AI Number: 83657
Activity No. ACC20210002
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Air Emissions

Analyte	Method Name	Method Code	Type	AB
4938 - 2-Methylbutane (Isopentane)	ASTM D1945	1499	NELAP	LA
4942 - 2-methylpropane (Isobutane)	ASTM D1945	1499	NELAP	LA
100593 - C6+	ASTM D1945	1499	NELAP	LA
3755 - Carbon dioxide	ASTM D1945	1499	NELAP	LA
4747 - Ethane	ASTM D1945	1499	NELAP	LA
4926 - Methane	ASTM D1945	1499	NELAP	LA
1843 - Nitrogen	ASTM D1945	1499	NELAP	LA
5029 - Propane	ASTM D1945	1499	NELAP	LA
5007 - n-Butane	ASTM D1945	1499	NELAP	LA
5028 - n-Pentane	ASTM D1945	1499	NELAP	LA
3915 - Particulates	TCEQ-23	2533	NELAP	TX
3805 - Fine particulates <2.5 um	40 CFR Part 50 Appendix L	10000709	NELAP	TX
3840 - Hydrogen sulfide	EPA 11	10004109	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
3755 - Carbon dioxide	EPA 3C	10247708	NELAP	LA
3775 - Carbon dioxide, oxygen, nitrogen, methane	EPA 3C	10247708	NELAP	LA
3780 - Carbon monoxide	EPA 3C	10247708	NELAP	LA
1772 - Hydrogen	EPA 3C	10247708	NELAP	LA
4926 - Methane	EPA 3C	10247708	NELAP	LA
1843 - Nitrogen	EPA 3C	10247708	NELAP	LA
3895 - Oxygen	EPA 3C	10247708	NELAP	LA
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 dibromide)	EPA TO-14A	10248609	NELAP	TX
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

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Air Emissions

Analyte	Method Name	Method Code	Type	AB
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
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

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Air Emissions

Analyte	Method Name	Method Code	Type	AB
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
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
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

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Analyte	Method Name	Method Code	Type	AB
acid)				
3835 - Hydrogen halides and halogens	EPA Method 26A	10403200	NELAP	TX
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 5G	10404907	NELAP	TX
3915 - Particulates	EPA 5H	10405002	NELAP	TX
3915 - Particulates	EPA 5I	10405104	NELAP	TX
1772 - Hydrogen	ASTM D1945	30024443	NELAP	LA
3895 - Oxygen	ASTM D1945	30024443	NELAP	LA
4855 - n-Hexane	ASTM D1945	30024443	NELAP	LA
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
4842 - 1-Propanethiol	ASTM D5504-12	30032270	NELAP	LA
100872 - 1-Propanethiol (n-Propyl mercaptan)	ASTM D5504-12	30032270	NELAP	LA
6113 - 2,5-Dimethylthiophene	ASTM D5504-12	30032270	NELAP	LA
4843 - 2-Propanethiol	ASTM D5504-12	30032270	NELAP	LA
4544 - 2-Ethylthiophene	ASTM D5504-12	30032270	NELAP	LA
100873 - 2-Methyl-1-propanethiol (Isobutyl mercaptan)	ASTM D5504-12	30032270	NELAP	LA
3725 - 2-Methyl-1-propanethiol (i-Butanethiol)	ASTM D5504-12	30032270	NELAP	LA
100870 - 2-Propanethiol (Isopropyl mercaptan)	ASTM D5504-12	30032270	NELAP	LA
5783 - 3-Methylthiophene	ASTM D5504-12	30032270	NELAP	LA
4450 - Carbon disulfide	ASTM D5504-12	30032270	NELAP	LA
7215 - Carbonyl sulfide	ASTM D5504-12	30032270	NELAP	LA
6078 - Diethyl disulfide	ASTM D5504-12	30032270	NELAP	LA
6081 - Diethyl sulfide	ASTM D5504-12	30032270	NELAP	LA
4728 - Dimethyl disulfide	ASTM D5504-12	30032270	NELAP	LA
6116 - Dimethyl sulfide	ASTM D5504-12	30032270	NELAP	LA
7506 - Ethanethiol	ASTM D5504-12	30032270	NELAP	LA
100869 - Ethanethiol (Ethyl mercaptan)	ASTM D5504-12	30032270	NELAP	LA
3840 - Hydrogen sulfide	ASTM D5504-12	30032270	NELAP	LA
100868 - Methanethiol (Methyl mercaptan)	ASTM D5504-12	30032270	NELAP	LA
7507 - Methyl mercaptan	ASTM D5504-12	30032270	NELAP	LA
9574 - Tetrahydrothiophene	ASTM D5504-12	30032270	NELAP	LA
9578 - Thiophene	ASTM D5504-12	30032270	NELAP	LA
1942 - Total Sulfur	ASTM D5504-12	30032270	NELAP	LA
3970 - Total reduced sulfur	ASTM D5504-12	30032270	NELAP	LA
9508 - n-Butanethiol	ASTM D5504-12	30032270	NELAP	LA
100875 - n-Butanethiol (n-Butyl mercaptan)	ASTM D5504-12	30032270	NELAP	LA
9554 - s-Butanethiol	ASTM D5504-12	30032270	NELAP	LA
100874 - s-Butanethiol (sec-Butyl mercaptan)	ASTM D5504-12	30032270	NELAP	LA
9556 - tert-Butanethiol	ASTM D5504-12	30032270	NELAP	LA
100871 - tert-Butanethiol (t-Butyl mercaptan)	ASTM D5504-12	30032270	NELAP	LA

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Air Emissions

Analyte	Method Name	Method Code	Type	AB
mercaptan) 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