

JOHN BEL EDWARDS  
GOVERNOR



CHUCK CARR BROWN, Ph.D.  
SECRETARY

**State of Louisiana**  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

**Read Receipt Requested**

**AI No. 85848**  
**Activity No. ACC20220001**  
**LELAP Lab ID # 04010**  
**Accreditation Year FY 2023**  
**Renewal due FY 2025**

Mr. Clifford Baldrige  
Enthalpy Analytical LLC  
800-1 Capitola Dr  
Durham, North Carolina 27713-4385

Re: Scope of Accreditation

Dear Mr. Baldrige:

On February 9, 2022, the Louisiana Environmental Laboratory Accreditation Program (LELAP) received a request for an amendment to your Scope of Accreditation. LELAP amends the Scope issued June 30, 2022 to include the parameters requested. Additions are highlighted in the attached scope. LELAP also removes the parameters listed in the attached list.

The Louisiana Department of Environmental Quality's laboratory accreditation program, in accordance with Louisiana Administrative Code, Title 33, Part I, Subpart 3, Laboratory Accreditation, accredits this laboratory for Fiscal Year 2023. This accreditation does not constitute an endorsement of the suitability of the listed methods for any specific purpose. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. The laboratory is accredited for the methods as identified on the application for accreditation; if the methods are partially identified on the application for accreditation, the laboratory is accredited for the versions listed on the current application or referenced in the laboratory standard operating procedure.

National Environmental Laboratory Accreditation Program (NELAP) accreditation is granted only for those methods/analytes for which "NELAP" is indicated as the type of accreditation. "STATE" is indicated as the type of accreditation for those methods/analytes for which accreditation by the Louisiana Environmental Laboratory Accreditation Program (LELAP) is granted. Accreditation is dependent on the laboratory's successful ongoing compliance with regulations as outlined in the Louisiana Administrative Code, Title 33, Part I, Subpart 3, Laboratory Accreditation, and with the standards adopted by the NELAP Accreditation Council.

The accreditation certificate is the property of the State of Louisiana. Should your accreditation be suspended or revoked, your laboratory must return the certificate of accreditation to the department and delete any electronic copies until your accreditation status is restored.

LAC 33:I.5313.A and/or the 2009 TNI Standard require that the laboratory report include all relevant information. Therefore, the certificate number shall be placed in the upper right corner of all laboratory reports. If the test report includes results of any test for which the laboratory is not accredited, the unaccredited results must be clearly identified as such.

**We request that you examine the scope of accreditation attachment for accuracy and completeness.** If you find that an analyte for which you expected to be accredited is not listed, please examine your records to ensure that:

1. You have met the requirements for successful participation in proficiency test studies as outlined in LAC 33:I.4711 and in the 2009 TNI Standard.
2. In the case of accreditation by recognition, the requested analyte must be listed for the requested method and matrix on both the certificate issued by the Primary Accreditation Body *and* on the Louisiana application form.

If after reviewing this information, the scope and/or certificate are inaccurate, please notify us immediately.

If you have any questions, please contact your assigned assessor Elizabeth West, Environmental Scientist at (318) 676-7457.

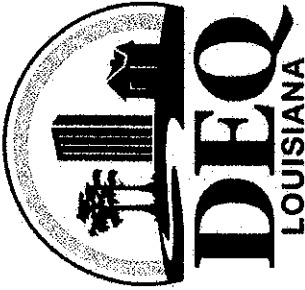
Sincerely,



Tonya Landry  
Administrator  
Public Participation and Permit Support Services Division

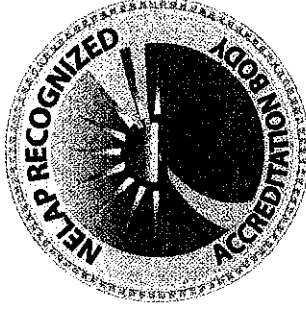
  
TL:PB:TR:ew

10/31/2022  
Date



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

Is hereby granting a Louisiana Environmental Laboratory Accreditation to



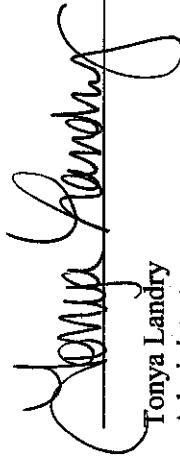
**Enthalpy Analytical LLC**  
**800-1 Capitola Dr**  
**Durham, North Carolina 27713-4385**

**Agency Interest No. 85848**  
**Activity No. ACC20220001**

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 33:1.4711.

  
Tonya Landry  
Administrator

Public Participation and Permit Support Services Division

Issued Date: 10/31/2022

Effective on Issue Date  
Expiration Date: **June 30, 2023**  
Certificate Number: **04010**



Effective Date: 10/31/2022

800-1 Capitola Dr, Durham, North Carolina 27713-4385

Certificate Number: 04010

### Air Emissions

1075 - Lead	EPA 12 (ICP-MS)	2761	NELAP	LA
4555 - Cyclohexane	EPA 325B	2978	NELAP	LA
4815 - Formaldehyde	EPA Method 316	10055706	NELAP	LA
1005 - Antimony	EPA 6010B	10155609	NELAP	LA
1010 - Arsenic	EPA 6010B	10155609	NELAP	LA
1015 - Barium	EPA 6010B	10155609	NELAP	LA
1020 - Beryllium	EPA 6010B	10155609	NELAP	LA
1030 - Cadmium	EPA 6010B	10155609	NELAP	LA
1040 - Chromium	EPA 6010B	10155609	NELAP	LA
1050 - Cobalt	EPA 6010B	10155609	NELAP	LA
1055 - Copper	EPA 6010B	10155609	NELAP	LA
1075 - Lead	EPA 6010B	10155609	NELAP	LA
1085 - Magnesium	EPA 6010B	10155609	NELAP	LA
1105 - Nickel	EPA 6010B	10155609	NELAP	LA
1140 - Selenium	EPA 6010B	10155609	NELAP	LA
1150 - Silver	EPA 6010B	10155609	NELAP	LA
1165 - Thallium	EPA 6010B	10155609	NELAP	LA
1910 - Total Phosphorus	EPA 6010B	10155609	NELAP	LA
1190 - Zinc	EPA 6010B	10155609	NELAP	LA
1005 - Antimony	EPA 6020A, Rev.1	10156419	NELAP	LA
1010 - Arsenic	EPA 6020A, Rev.1	10156419	NELAP	LA
1015 - Barium	EPA 6020A, Rev.1	10156419	NELAP	LA
1020 - Beryllium	EPA 6020A, Rev.1	10156419	NELAP	LA
1030 - Cadmium	EPA 6020A, Rev.1	10156419	NELAP	LA
1040 - Chromium	EPA 6020A, Rev.1	10156419	NELAP	LA
1050 - Cobalt	EPA 6020A, Rev.1	10156419	NELAP	LA
1055 - Copper	EPA 6020A, Rev.1	10156419	NELAP	LA
1075 - Lead	EPA 6020A, Rev.1	10156419	NELAP	LA
1085 - Magnesium	EPA 6020A, Rev.1	10156419	NELAP	LA
1105 - Nickel	EPA 6020A, Rev.1	10156419	NELAP	LA
1140 - Selenium	EPA 6020A, Rev.1	10156419	NELAP	LA
1150 - Silver	EPA 6020A, Rev.1	10156419	NELAP	LA
1165 - Thallium	EPA 6020A, Rev.1	10156419	NELAP	LA
1190 - Zinc	EPA 6020A, Rev.1	10156419	NELAP	LA
1095 - Mercury	EPA 7470A	10165807	NELAP	LA
4340 - Acrylonitrile	EPA CTM-008	10214558	NELAP	LA
100211 - Acceptability of Teflon Bags	EPA ALT-005	10214569	NELAP	LA
4020 - Sulfuric acid mist, sulfur dioxide	EPA CTM-013B	10214570	NELAP	LA
1515 - Ammonia as N	EPA CTM-027	10214707	NELAP	LA
6625 - Phenol	EPA CTM-032	10214763	NELAP	LA
5862 - Total Cresols	EPA CTM-032	10214763	NELAP	LA
1773 - Hydrogen Cyanide	EPA OTM-029, Rev.2011	10217535	NELAP	LA
3796 - Total Gaseous Organic Compounds	EPA Method 18	10246636	NELAP	LA
100204 - Verification of Gas Dilution Systems for Field Instrument Calibration	EPA 205	10246692	NELAP	LA
4075 - Volatile matter, density, water & solids content of surface coatings	EPA 24	10246727	NELAP	LA
4065 - Volatile Organic Compounds	EPA Method 25D	10246772	NELAP	LA
3755 - Carbon dioxide	EPA 3C	10247708	NELAP	LA

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

# Air Emissions

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
5215 - 1,3,5-Trimethylbenzene	EPA TO-14A	10248609	NELAP	LA
4375 - Benzene	EPA TO-14A	10248609	NELAP	LA
5100 - Styrene	EPA TO-14A	10248609	NELAP	LA
5140 - Toluene	EPA TO-14A	10248609	NELAP	LA
5260 - Xylene (total)	EPA TO-14A	10248609	NELAP	LA
5160 - 1,1,1-Trichloroethane	EPA TO-15	10248803	NELAP	LA
5110 - 1,1,2,2-Tetrachloroethane	EPA TO-15	10248803	NELAP	LA
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA TO-15	10248803	NELAP	LA
5165 - 1,1,2-Trichloroethane	EPA TO-15	10248803	NELAP	LA
4630 - 1,1-Dichloroethane	EPA TO-15	10248803	NELAP	LA
4640 - 1,1-Dichloroethylene	EPA TO-15	10248803	NELAP	LA
5155 - 1,2,4-Trichlorobenzene	EPA TO-15	10248803	NELAP	LA
5210 - 1,2,4-Trimethylbenzene	EPA TO-15	10248803	NELAP	LA
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA TO-15	10248803	NELAP	LA
4695 - 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)	EPA TO-15	10248803	NELAP	LA
4610 - 1,2-Dichlorobenzene	EPA TO-15	10248803	NELAP	LA
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA TO-15	10248803	NELAP	LA
4655 - 1,2-Dichloropropane	EPA TO-15	10248803	NELAP	LA
5215 - 1,3,5-Trimethylbenzene	EPA TO-15	10248803	NELAP	LA
9318 - 1,3-Butadiene	EPA TO-15	10248803	NELAP	LA
4615 - 1,3-Dichlorobenzene	EPA TO-15	10248803	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA TO-15	10248803	NELAP	LA
4735 - 1,4-Dioxane (1,4- Diethyleneoxide)	EPA TO-15	10248803	NELAP	LA
4836 - 1-Propene	EPA TO-15	10248803	NELAP	LA
5220 - 2,2,4-Trimethylpentane (Isooctane)	EPA TO-15	10248803	NELAP	LA
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA TO-15	10248803	NELAP	LA
4860 - 2-Hexanone	EPA TO-15	10248803	NELAP	LA
4534 - 3-Methylpentane	EPA TO-15	10248803	NELAP	LA
4542 - 4-Ethyltoluene	EPA TO-15	10248803	NELAP	LA
4995 - 4-Methyl-2-pentanone (MIBK)	EPA TO-15	10248803	NELAP	LA
4315 - Acetone	EPA TO-15	10248803	NELAP	LA
4320 - Acetonitrile	EPA TO-15	10248803	NELAP	LA
4325 - Acrolein (Propenal)	EPA TO-15	10248803	NELAP	LA
4340 - Acrylonitrile	EPA TO-15	10248803	NELAP	LA
4355 - Allyl chloride (3-Chloropropene)	EPA TO-15	10248803	NELAP	LA
4375 - Benzene	EPA TO-15	10248803	NELAP	LA
5635 - Benzyl chloride	EPA TO-15	10248803	NELAP	LA
4395 - Bromodichloromethane	EPA TO-15	10248803	NELAP	LA
4400 - Bromoform	EPA TO-15	10248803	NELAP	LA
4450 - Carbon disulfide	EPA TO-15	10248803	NELAP	LA
4455 - Carbon tetrachloride	EPA TO-15	10248803	NELAP	LA
4475 - Chlorobenzene	EPA TO-15	10248803	NELAP	LA
4575 - Chlorodibromomethane (dibromochloromethane)	EPA TO-15	10248803	NELAP	LA
4485 - Chloroethane (Ethyl chloride)	EPA TO-15	10248803	NELAP	LA

Enthalpy Analytical LLC

Effective Date: 10/31/2022

Certificate Number: 04010

AI Number: 85848  
Activity No. ACC20220001  
Expiration Date: June 30, 2023

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# Air Emissions

4505 - Chloroform	EPA TO-15	10248803	NELAP	LA
4555 - Cyclohexane	EPA TO-15	10248803	NELAP	LA
4625 - Dichlorodifluoromethane (Freon-12)	EPA TO-15	10248803	NELAP	LA
4755 - Ethyl acetate	EPA TO-15	10248803	NELAP	LA
4765 - Ethylbenzene	EPA TO-15	10248803	NELAP	LA
4795 - Ethylene oxide	EPA TO-15	10248803	NELAP	LA
4835 - Hexachlorobutadiene	EPA TO-15	10248803	NELAP	LA
4950 - Methyl bromide (Bromomethane)	EPA TO-15	10248803	NELAP	LA
4960 - Methyl chloride (Chloromethane)	EPA TO-15	10248803	NELAP	LA
4990 - Methyl methacrylate	EPA TO-15	10248803	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA TO-15	10248803	NELAP	LA
4975 - Methylene chloride (Dichloromethane)	EPA TO-15	10248803	NELAP	LA
5100 - Styrene	EPA TO-15	10248803	NELAP	LA
5115 - Tetrachloroethylene (Perchloroethylene)	EPA TO-15	10248803	NELAP	LA
5120 - Tetrahydrofuran (THF)	EPA TO-15	10248803	NELAP	LA
5140 - Toluene	EPA TO-15	10248803	NELAP	LA
5170 - Trichloroethene (Trichloroethylene)	EPA TO-15	10248803	NELAP	LA
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA TO-15	10248803	NELAP	LA
5225 - Vinyl acetate	EPA TO-15	10248803	NELAP	LA
5230 - Vinyl bromide (Bromoethane)	EPA TO-15	10248803	NELAP	LA
5235 - Vinyl chloride	EPA TO-15	10248803	NELAP	LA
5260 - Xylene (total)	EPA TO-15	10248803	NELAP	LA
4645 - cis-1,2-Dichloroethylene	EPA TO-15	10248803	NELAP	LA
4680 - cis-1,3-Dichloropropene	EPA TO-15	10248803	NELAP	LA
5240 - m+p-xylene	EPA TO-15	10248803	NELAP	LA
5245 - m-Xylene	EPA TO-15	10248803	NELAP	LA
4825 - n-Heptane	EPA TO-15	10248803	NELAP	LA
4855 - n-Hexane	EPA TO-15	10248803	NELAP	LA
5250 - o-Xylene	EPA TO-15	10248803	NELAP	LA
5255 - p-Xylene	EPA TO-15	10248803	NELAP	LA
4700 - trans-1,2-Dichloroethylene	EPA TO-15	10248803	NELAP	LA
4685 - trans-1,3-Dichloropropylene	EPA TO-15	10248803	NELAP	LA
4930 - Methanol	EPA 308	10274507	NELAP	LA
3803 - Extractive FTIR Specifications	EPA 320	10274552	NELAP	LA
3963 - Organic and Inorganic Emissions by FTIR	EPA 320	10274552	NELAP	LA
4815 - Formaldehyde	EPA 323	10274585	NELAP	LA
3987 - Volatile organics	EPA 305	10276003	NELAP	LA
9318 - 1,3-Butadiene	EPA Method 325B (TD/GC/MS)	10277437	NELAP	LA
4375 - Benzene	EPA Method 325B (TD/GC/MS)	10277437	NELAP	LA
4765 - Ethylbenzene	EPA Method 325B (TD/GC/MS)	10277437	NELAP	LA
5100 - Styrene	EPA Method 325B (TD/GC/MS)	10277437	NELAP	LA
5140 - Toluene	EPA Method 325B (TD/GC/MS)	10277437	NELAP	LA
5245 - m-Xylene	EPA Method 325B (TD/GC/MS)	10277437	NELAP	LA
5250 - o-Xylene	EPA Method 325B (TD/GC/MS)	10277437	NELAP	LA
5255 - p-Xylene	EPA Method 325B (TD/GC/MS)	10277437	NELAP	LA
9636 - 2,4-Toluene diisocyanate	EPA Method 326, Rev.2	10277459	NELAP	LA
9492 - 4,4'-Methylene diphenyl diisocyanate	EPA Method 326, Rev.2	10277459	NELAP	LA
7695 - Hexamethylene diisocyanate	EPA Method 326, Rev.2	10277459	NELAP	LA
6110 - 2,5-Dimethylbenzaldehyde	EPA TO-11A	10311805	NELAP	LA
4300 - Acetaldehyde	EPA TO-11A	10311805	NELAP	LA
4325 - Acrolein (Propenal)	EPA TO-11A	10311805	NELAP	LA

Enthalpy Analytical LLC

Effective Date: 10/31/2022

Certificate Number: 04010

AI Number: 85848  
Activity No. ACC20220001  
Expiration Date: June 30, 2023

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# Air Emissions

5570 - Benzaldehyde	EPA TO-11A	10311805	NELAP	LA
4430 - Butyraldehyde (Butanal)	EPA TO-11A	10311805	NELAP	LA
4545 - Crotonaldehyde	EPA TO-11A	10311805	NELAP	LA
4815 - Formaldehyde	EPA TO-11A	10311805	NELAP	LA
3825 - Hexanaldehyde (Hexanal)	EPA TO-11A	10311805	NELAP	LA
6330 - Isovaleraldehyde	EPA TO-11A	10311805	NELAP	LA
3965 - Propionaldehyde (Propanal)	EPA TO-11A	10311805	NELAP	LA
4040 - Valeraldehyde (Pentanal, Pentanaldehyde)	EPA TO-11A	10311805	NELAP	LA
5125 - m-Tolualdehyde (1,3-Tolualdehyde)	EPA TO-11A	10311805	NELAP	LA
6755 - o-Tolualdehyde (1,2-Tolualdehyde)	EPA TO-11A	10311805	NELAP	LA
6760 - p-Tolualdehyde (1,4-Tolualdehyde)	EPA TO-11A	10311805	NELAP	LA
5155 - 1,2,4-Trichlorobenzene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4917 - 1-Butene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4832 - 1-Hexene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4833 - 1-Pentene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4836 - 1-Propene	EPA TO-14A, Rev.2	10312002	NELAP	LA
5220 - 2,2,4-Trimethylpentane (Isooctane)	EPA TO-14A, Rev.2	10312002	NELAP	LA
4666 - 2,2-Dimethylbutane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4667 - 2,3,4-Trimethylpentane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4669 - 2,3-Dimethylbutane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4671 - 2,3-Dimethylpentane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4672 - 2,4-Dimethylpentane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4538 - 2-Ethyltoluene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4937 - 2-Methylbutadiene (Isoprene)	EPA TO-14A, Rev.2	10312002	NELAP	LA
4938 - 2-Methylbutane (Isopentane)	EPA TO-14A, Rev.2	10312002	NELAP	LA
4939 - 2-Methylheptane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4946 - 2-Methylhexane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4941 - 2-Methylpentane (Isohexane)	EPA TO-14A, Rev.2	10312002	NELAP	LA
4942 - 2-methylpropane (Isobutane)	EPA TO-14A, Rev.2	10312002	NELAP	LA
4531 - 3-Ethyltoluene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4532 - 3-Methylheptane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4533 - 3-Methylhexane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4534 - 3-Methylpentane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4542 - 4-Ethyltoluene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4323 - Acetylene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4555 - Cyclohexane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4562 - Cyclopentane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4747 - Ethane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4752 - Ethene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4765 - Ethylbenzene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4900 - Isopropylbenzene (Cumene)	EPA TO-14A, Rev.2	10312002	NELAP	LA
4965 - Methylcyclohexane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4966 - Methylcyclopentane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4602 - cis-2-Butene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4603 - cis-2-pentene	EPA TO-14A, Rev.2	10312002	NELAP	LA
5240 - m+p-xylene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4676 - m-Diethylbenzene (1,3-Diethylbenzene)	EPA TO-14A, Rev.2	10312002	NELAP	LA
5007 - n-Butane	EPA TO-14A, Rev.2	10312002	NELAP	LA
5875 - n-Decane	EPA TO-14A, Rev.2	10312002	NELAP	LA
6235 - n-Dodecane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4825 - n-Heptane	EPA TO-14A, Rev.2	10312002	NELAP	LA
4855 - n-Hexane	EPA TO-14A, Rev.2	10312002	NELAP	LA
5026 - n-Nonane	EPA TO-14A, Rev.2	10312002	NELAP	LA

Enthalpy Analytical LLC

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# Air Emissions

5027 - n-Octane	EPA TO-14A, Rev.2	10312002	NELAP	LA
5028 - n-Pentane	EPA TO-14A, Rev.2	10312002	NELAP	LA
5029 - n-Propane	EPA TO-14A, Rev.2	10312002	NELAP	LA
5090 - n-Propylbenzene	EPA TO-14A, Rev.2	10312002	NELAP	LA
6747 - n-Undecane	EPA TO-14A, Rev.2	10312002	NELAP	LA
5250 - o-Xylene	EPA TO-14A, Rev.2	10312002	NELAP	LA
5253 - p-Diethylbenzene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4607 - trans-2-Butene	EPA TO-14A, Rev.2	10312002	NELAP	LA
4608 - trans-2-pentene	EPA TO-14A, Rev.2	10312002	NELAP	LA
1095 - Mercury	EPA 101A	10401204	NELAP	LA
4450 - Carbon disulfide	EPA 15	10402207	NELAP	LA
7215 - Carbonyl sulfide	EPA 15	10402207	NELAP	LA
3840 - Hydrogen sulfide	EPA 15	10402207	NELAP	LA
4729 - Dimethyl disulfide	EPA 16	10402401	NELAP	LA
6116 - Dimethyl sulfide	EPA 16	10402401	NELAP	LA
3840 - Hydrogen sulfide	EPA 16	10402401	NELAP	LA
7507 - Methyl mercaptan	EPA 16	10402401	NELAP	LA
3915 - Particulates	EPA 17	10402707	NELAP	LA
3805 - Fine particulates <2.5 um	EPA 201A	10402901	NELAP	LA
3915 - Particulates	EPA 201A	10402901	NELAP	LA
3950 - Particulates <10 um	EPA 201A	10402901	NELAP	LA
4467 - Condensable Particulate Matter	EPA 202	10403006	NELAP	LA
3915 - Particulates	EPA 202	10403006	NELAP	LA
1540 - Bromide	EPA 26	10403108	NELAP	LA
1541 - Bromine	EPA 26	10403108	NELAP	LA
1575 - Chloride	EPA 26	10403108	NELAP	LA
1580 - Chlorine	EPA 26	10403108	NELAP	LA
1730 - Fluoride	EPA 26	10403108	NELAP	LA
1770 - Hydrochloric acid (Hydrogen chloride (gas only))	EPA 26	10403108	NELAP	LA
1768 - Hydrogen Bromide (HBr)	EPA 26	10403108	NELAP	LA
1775 - Hydrogen fluoride (Hydrofluoric acid)	EPA 26	10403108	NELAP	LA
3835 - Hydrogen halides and halogens	EPA 26	10403108	NELAP	LA
1540 - Bromide	EPA Method 26A	10403200	NELAP	LA
1541 - Bromine	EPA Method 26A	10403200	NELAP	LA
1575 - Chloride	EPA Method 26A	10403200	NELAP	LA
1580 - Chlorine	EPA Method 26A	10403200	NELAP	LA
1770 - Hydrochloric acid (Hydrogen chloride (gas only))	EPA Method 26A	10403200	NELAP	LA
1768 - Hydrogen Bromide (HBr)	EPA Method 26A	10403200	NELAP	LA
1775 - Hydrogen fluoride (Hydrofluoric acid)	EPA Method 26A	10403200	NELAP	LA
3835 - Hydrogen halides and halogens	EPA Method 26A	10403200	NELAP	LA
1095 - Mercury	EPA Method 29 (CVAA)	10403302	NELAP	LA
1005 - Antimony	EPA Method 29 (ICP)	10403608	NELAP	LA
1010 - Arsenic	EPA Method 29 (ICP)	10403608	NELAP	LA
1015 - Barium	EPA Method 29 (ICP)	10403608	NELAP	LA
1020 - Beryllium	EPA Method 29 (ICP)	10403608	NELAP	LA
1030 - Cadmium	EPA Method 29 (ICP)	10403608	NELAP	LA
1040 - Chromium	EPA Method 29 (ICP)	10403608	NELAP	LA
1050 - Cobalt	EPA Method 29 (ICP)	10403608	NELAP	LA
1055 - Copper	EPA Method 29 (ICP)	10403608	NELAP	LA
1075 - Lead	EPA Method 29 (ICP)	10403608	NELAP	LA
1090 - Manganese	EPA Method 29 (ICP)	10403608	NELAP	LA

Enthalpy Analytical LLC

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# Air Emissions

1105 - Nickel	EPA Method 29 (ICP)	10403608	NELAP	LA
1140 - Selenium	EPA Method 29 (ICP)	10403608	NELAP	LA
1150 - Silver	EPA Method 29 (ICP)	10403608	NELAP	LA
1165 - Thallium	EPA Method 29 (ICP)	10403608	NELAP	LA
1910 - Total Phosphorus	EPA Method 29 (ICP)	10403608	NELAP	LA
1190 - Zinc	EPA Method 29 (ICP)	10403608	NELAP	LA
1005 - Antimony	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1010 - Arsenic	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1015 - Barium	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1020 - Beryllium	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1030 - Cadmium	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1040 - Chromium	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1050 - Cobalt	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1055 - Copper	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1075 - Lead	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1090 - Manganese	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1105 - Nickel	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1140 - Selenium	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1150 - Silver	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1165 - Thallium	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1190 - Zinc	EPA Method 29 (ICP-MS)	10403700	NELAP	LA
1040 - Chromium	EPA 306 (ICP)	10403904	NELAP	LA
3915 - Particulates	EPA 5	10404305	NELAP	LA
3915 - Particulates	EPA 5A	10404407	NELAP	LA
3915 - Particulates	EPA 5B	10404509	NELAP	LA
3870 - Non-sulfate particulates	EPA 5F	10404805	NELAP	LA
4010 - Sulfur dioxide	EPA 6	10405206	NELAP	LA
2015 - Sulfite-SO3	EPA 8	10406005	NELAP	LA
4010 - Sulfur dioxide	EPA 8	10406005	NELAP	LA
4017 - Sulfur trioxide	EPA 8	10406005	NELAP	LA
4019 - Sulfuric acid mist	EPA 8	10406005	NELAP	LA
100140 - Sulfuric acid mist/sulfur trioxide	EPA 8	10406005	NELAP	LA
4375 - Benzene	EPA Method ALT-100	10408001	NELAP	LA
4747 - Ethane	EPA Method ALT-100	10408001	NELAP	LA
4752 - Ethene	EPA Method ALT-100	10408001	NELAP	LA
4765 - Ethylbenzene	EPA Method ALT-100	10408001	NELAP	LA
4926 - Methane	EPA Method ALT-100	10408001	NELAP	LA
4836 - Propene	EPA Method ALT-100	10408001	NELAP	LA
5140 - Toluene	EPA Method ALT-100	10408001	NELAP	LA
5240 - m+p-xylene	EPA Method ALT-100	10408001	NELAP	LA
5245 - m-Xylene	EPA Method ALT-100	10408001	NELAP	LA
5007 - n-Butane	EPA Method ALT-100	10408001	NELAP	LA
4825 - n-Heptane	EPA Method ALT-100	10408001	NELAP	LA
4855 - n-Hexane	EPA Method ALT-100	10408001	NELAP	LA
5028 - n-Pentane	EPA Method ALT-100	10408001	NELAP	LA
5029 - n-Propane	EPA Method ALT-100	10408001	NELAP	LA
5250 - o-Xylene	EPA Method ALT-100	10408001	NELAP	LA
5255 - p-Xylene	EPA Method ALT-100	10408001	NELAP	LA
3755 - Carbon dioxide	ASTM D1946-90, Rev.1990	30024465	NELAP	LA
3780 - Carbon monoxide	ASTM D1946-90, Rev.1990	30024465	NELAP	LA
1772 - Hydrogen	ASTM D1946-90, Rev.1990	30024465	NELAP	LA
4926 - Methane	ASTM D1946-90, Rev.1990	30024465	NELAP	LA
1843 - Nitrogen	ASTM D1946-90, Rev.1990	30024465	NELAP	LA
3895 - Oxygen	ASTM D1946-90, Rev.1990	30024465	NELAP	LA
4010 - Sulfur dioxide	NCASI 8A	60031223	NELAP	LA

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## Air Emissions

4019 - Sulfuric acid mist	NCASI 8A	60031223	NELAP	LA
4815 - Formaldehyde	NCASI 98.01	60031358	NELAP	LA
4930 - Methanol	NCASI 98.01	60031358	NELAP	LA
6625 - Phenol	NCASI 98.01	60031358	NELAP	LA
4300 - Acetaldehyde	NCASI 99.02	60031654	NELAP	LA
4815 - Formaldehyde	NCASI 99.02	60031654	NELAP	LA
4930 - Methanol	NCASI 99.02	60031654	NELAP	LA
6625 - Phenol	NCASI 99.02	60031654	NELAP	LA
4300 - Acetaldehyde	NCASI METHOD ISS/FP-A105.01	60031756	NELAP	LA
4325 - Acrolein (Propenal)	NCASI METHOD ISS/FP-A105.01	60031756	NELAP	LA
4815 - Formaldehyde	NCASI METHOD ISS/FP-A105.01	60031756	NELAP	LA
4930 - Methanol	NCASI METHOD ISS/FP-A105.01	60031756	NELAP	LA
6625 - Phenol	NCASI METHOD ISS/FP-A105.01	60031756	NELAP	LA
3965 - Propionaldehyde (Propanal)	NCASI METHOD ISS/FP-A105.01	60031756	NELAP	LA

## Non Potable Water

NONE NONE NONE NONE NONE

## Solid Chemical Materials

NONE NONE NONE NONE NONE

## Biological Tissue

NONE NONE NONE NONE NONE

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Analyte NELAP Code	Analyte Name	Method NELAP Code	Method Name	Revision
5780	Bis(2-Chloroisopropyl) ether (2,2-oxybis(1-chloropropane))	10185805	EPA 8270C	
4835	Hexachlorobutadiene	10185805	EPA 8270C	
6110	2,5-Dimethylbenzaldehyde	10188008	EPA 8315A	
4300	Acetaldehyde	10188008	EPA 8315A	
4315	Acetone	10188008	EPA 8315A	
5570	Benzaldehyde	10188008	EPA 8315A	
4545	Crotonaldehyde	10188008	EPA 8315A	
4815	Formaldehyde	10188008	EPA 8315A	
6330	Isovaleraldehyde	10188008	EPA 8315A	
5125	m-Tolualdehyde (1,3-Tolualdehyde)	10188008	EPA 8315A	
3965	Propionaldehyde (Propanal)	10188008	EPA 8315A	
4040	Valeraldehyde (Pentanal, Pentanaldehyde)	10188008	EPA 8315A	
6330	Isovaleraldehyde	10312604	EPA TO-5	1
5570	Benzaldehyde	10312604	EPA TO-5	1
4835	Hexachlorobutadiene	10248803	EPA TO-15	
4315	Acetone	10311805	EPA TO-11A	2
4300	Acetaldehyde	10312604	EPA TO-5	1
4315	Acetone	10312604	EPA TO-5	1
4815	Formaldehyde	10312604	EPA TO-5	1
5125	m-Tolualdehyde (1,3-Tolualdehyde)	10312604	EPA TO-5	1
3965	Propionaldehyde (Propanal)	10312604	EPA TO-5	1
4040	Valeraldehyde (Pentanal, Pentanaldehyde)	10312604	EPA TO-5	1
4325	Acrolein (Propenal)	10312604	EPA TO-5	1
3825	Hexanaldehyde (Hexanal)	10312604	EPA TO-5	1
6755	o-Tolualdehyde (1,2-Tolualdehyde)	10312604	EPA TO-5	1
6760	p-Tolualdehyde (1,4-Tolualdehyde)	10312604	EPA TO-5	1
4545	Crotonaldehyde	10312604	EPA TO-5	1
4325	Acrolein (Propenal)	10188008	EPA 8315A	
4430	Butyraldehyde (Butanal)	10188008	EPA 8315A	
3825	Hexanaldehyde (Hexanal)	10188008	EPA 8315A	
6755	o-Tolualdehyde (1,2-Tolualdehyde)	10188008	EPA 8315A	
6760	p-Tolualdehyde (1,4-Tolualdehyde)	10188008	EPA 8315A	
4430	Butyraldehyde (Butanal)	10312604	EPA TO-5	1
4300	Acetaldehyde	10188008	EPA 8315A	
6755	o-Tolualdehyde (1,2-Tolualdehyde)	10188008	EPA 8315A	
4836	Propene	10248803	EPA TO-15	
4752	Ethene	10248803	EPA TO-15	
4836	Propene	10312002	EPA TO-14A	2
5029	n-Propane	10312002	EPA TO-14A	2
6110	2,5-Dimethylbenzaldehyde	10312604	EPA TO-5	1
4752	Ethene	10312002	EPA TO-14A	2
4825	n-Heptane	10312002	EPA TO-14A	2
4855	n-Hexane	10312002	EPA TO-14A	2
5028	n-Pentane	10312002	EPA TO-14A	2
4835	Hexachlorobutadiene	10186002	EPA 8270D	
6412	Sum - 3-Methylphenol + 4-Methylphenol	10186002	EPA 8270D	

Analyte NELAP Code	Analyte Name	Method NELAP Code	Method Name	Revision
5780	Bis(2-Chloroisopropyl) ether (2,2-oxybis(1-chloropropane))	10186002	EPA 8270D	
1010	Arsenic	10401793	EPA 108	

## Chronology for Enthalpy Durham 85848 amendment application

2/8/2022 – Received application for scope amendment

Previously received pending applications reviewed and scopes edited.

Assessment work takes priority.

May-June/2022 - Annual and renewal applications took priority

7/21/22 - NOI Requested ADPs for applied parameters

8/8/22 – Addendum received with ADPs

8/10/22 – addendum reviewed and application deemed complete. Proposed scope sent to laboratory for approval

8/12/22 - laboratory identified corrections needed

9/21/22 – final edits made, proposed scope sent to laboratory for approval

Lab sent clarifications of corrections still needed.

9/24/22 - draft letter/certificate/scope documents prepared with list of withdrawals.

9/26/22 – draft scope approved by laboratory.

9/30/22 – final letter/certificate/scope documents prepared.

Other priority applications reviewed/scopes edited (in state NELAP labs)

Phoned laboratory to determine whether they had implemented the 2016 TNI Standard. They have not.

10-17-22 – final documents reviewed and submitted for approval.