



# 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](http://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: T104704421-22-19**

**Effective Date: 11/1/2022**

**Expiration Date: 10/31/2023**

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

**Executive Director Texas Commission on  
Environmental Quality**



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## NELAP - Recognized Laboratory Fields of Accreditation

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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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| Method        | Analyte                               | AB     | Analyte ID | Method ID   |
|---------------|---------------------------------------|--------|------------|-------------|
|               | Acrylonitrile                         | LA-DEQ | 4340       | EPA CTM-008 |
| <b>Method</b> | EPA CTM-027                           |        |            |             |
|               | Ammonia as N                          | LA-DEQ | 1515       | 10214707    |
| <b>Method</b> | EPA RM 101A                           |        |            |             |
|               | Mercury                               | LA-DEQ | 1095       | 10401204    |
| <b>Method</b> | EPA RM 108                            |        |            |             |
|               | Arsenic                               | LA-DEQ | 1010       | EPA RM 108  |
| <b>Method</b> | EPA RM 12                             |        |            |             |
|               | Lead                                  | LA-DEQ | 1075       | 10402161    |
| <b>Method</b> | EPA RM 17                             |        |            |             |
|               | Particulates                          | LA-DEQ | 3915       | 10402707    |
| <b>Method</b> | EPA RM 18                             |        |            |             |
|               | 1,3-Butadiene                         | LA-DEQ | 9318       | 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         |
| <b>Method EPA RM 202</b>                         |           |                   |                  |
| <b>Analyte</b>                                   | <b>AB</b> | <b>Analyte ID</b> | <b>Method ID</b> |
| Condensable Particulate Matter                   | LA-DEQ    | 10222             | 10403006         |
| <b>Method EPA RM 26</b>                          |           |                   |                  |
| <b>Analyte</b>                                   | <b>AB</b> | <b>Analyte ID</b> | <b>Method ID</b> |
| 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         |
| <b>Method EPA RM 26A</b>                         |           |                   |                  |
| <b>Analyte</b>                                   | <b>AB</b> | <b>Analyte ID</b> | <b>Method ID</b> |
| 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         |
| <b>Method EPA RM 306</b>                         |           |                   |                  |
| <b>Analyte</b>                                   | <b>AB</b> | <b>Analyte ID</b> | <b>Method ID</b> |
| Chromium   | LA-DEQ    | 1040              | 10274472         |
| <b>Method EPA RM 308</b>                         |           |                   |                  |
| <b>Analyte</b>                                   | <b>AB</b> | <b>Analyte ID</b> | <b>Method ID</b> |
| Methanol   | LA-DEQ    | 4930              | 10274507         |
| <b>Method EPA RM 316</b>                         |           |                   |                  |
| <b>Analyte</b>                                   | <b>AB</b> | <b>Analyte ID</b> | <b>Method ID</b> |
| Formaldehyde                                     | LA-DEQ    | 4815              | 10274449         |



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| 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 | 5185       | 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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|   |        |      |          |
|---|--------|------|----------|
| 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 |