



Texas Commission on Environmental Quality

NELAP-Recognized Laboratory Accreditation is hereby awarded to



Enthalpy – Houston
931 Seaco Court
Deer Park, TX 77536-3187

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). Accreditation does not imply that a product, process, system or person is approved by the Texas Commission on Environmental Quality.

Certificate Number: T104704255-20-18

Effective Date: 3/26/2020

Expiration Date: 9/30/2020

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

**Executive Director Texas Commission on
Environmental Quality**



Texas Commission on Environmental Quality



NELAP - Recognized Laboratory Fields of Accreditation

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Matrix: Air & Emissions

Method 40 CFR Part 50 Appendix L

| Analyte | AB | Analyte ID | Method ID |
|---------------------------|----|------------|-----------------|
| Fine particulates <2.5 um | TX | 3805 | 40 CFR 50 App L |

Method ASTM D1946

| Analyte | AB | Analyte ID | Method ID |
|-----------------|----|------------|-----------|
| Carbon dioxide | TX | 3755 | 30024465 |
| Carbon monoxide | TX | 3780 | 30024465 |
| Ethane | TX | 4747 | 30024465 |
| Hydrogen | TX | 10321 | 30024465 |
| Methane | TX | 4926 | 30024465 |
| Nitrogen | TX | 1843 | 30024465 |
| Oxygen | TX | 3895 | 30024465 |

Method EPA 7199

| Analyte | AB | Analyte ID | Method ID |
|---------------|----|------------|-----------|
| Chromium (VI) | TX | 1045 | 10163005 |

Method EPA CTM-027

| Analyte | AB | Analyte ID | Method ID |
|--------------|----|------------|-----------|
| Ammonia as N | TX | 1515 | 10214707 |

Method EPA RM 11

| Analyte | AB | Analyte ID | Method ID |
|------------------|----|------------|-----------|
| Hydrogen sulfide | TX | 3840 | 10402116 |

Method EPA RM 17

| Analyte | AB | Analyte ID | Method ID |
|--------------|----|------------|-----------|
| Particulates | TX | 3915 | 10402707 |

Method EPA RM 18

| Analyte | AB | Analyte ID | Method ID |
|-----------------------|----|------------|-----------|
| 1,3-Butadiene | TX | 9318 | 10246636 |
| 1-Propene (Propylene) | TX | 4836 | 10246636 |
| Benzene | TX | 4375 | 10246636 |
| Butene (all isomers) | TX | 10326 | 10246636 |
| Ethane | TX | 4747 | 10246636 |



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Matrix: Air & Emissions

| | | | |
|----------------|----|------|----------|
| Ethene | TX | 4752 | 10246636 |
| Ethylbenzene | TX | 4765 | 10246636 |
| Methane | TX | 4926 | 10246636 |
| n-Butane | TX | 5007 | 10246636 |
| n-Hexane | TX | 4855 | 10246636 |
| n-Pentane | TX | 5028 | 10246636 |
| n-Propane | TX | 5029 | 10246636 |
| Toluene | TX | 5140 | 10246636 |
| Xylene (total) | TX | 5260 | 10246636 |

Method EPA RM 202

| Analyte | AB | Analyte ID | Method ID |
|--------------------------------|----|------------|-----------|
| Condensable Particulate Matter | TX | 10222 | 10403006 |

Method EPA RM 26

| Analyte | AB | Analyte ID | Method ID |
|--|----|------------|-----------|
| Bromine | TX | 1541 | 10403108 |
| Chlorine | TX | 1580 | 10403108 |
| Hydrochloric acid (Hydrogen chloride (gas only)) | TX | 1770 | 10403108 |
| Hydrogen Bromide (HBr) | TX | 489 | 10403108 |
| Hydrogen fluoride (Hydrofluoric acid) | TX | 1775 | 10403108 |

Method EPA RM 26A

| Analyte | AB | Analyte ID | Method ID |
|--|----|------------|-----------|
| Bromine | TX | 1541 | 10403200 |
| Chlorine | TX | 1580 | 10403200 |
| Hydrochloric acid (Hydrogen chloride (gas only)) | TX | 1770 | 10403200 |
| Hydrogen Bromide (HBr) | TX | 489 | 10403200 |
| Hydrogen fluoride (Hydrofluoric acid) | TX | 1775 | 10403200 |

Method EPA RM 308

| Analyte | AB | Analyte ID | Method ID |
|----------|----|------------|-----------|
| Methanol | TX | 4930 | 10274507 |

Method EPA RM 315

| Analyte | AB | Analyte ID | Method ID |
|---------|----|------------|-----------|
|---------|----|------------|-----------|



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Matrix: Air & Emissions

| | | | |
|--|-----------|-------------------|------------------|
| Methylene Chloride Extractable Material (MCEM) | TX | 5123 | 10274438 |
| Particulates | TX | 3915 | 10274438 |
| Method EPA RM 5 | | | |
| Analyte | AB | Analyte ID | Method ID |
| Particulates | TX | 3915 | 10404305 |
| Method EPA RM 5A | | | |
| Analyte | AB | Analyte ID | Method ID |
| Particulates | TX | 3915 | 10404407 |
| Method EPA RM 5B | | | |
| Analyte | AB | Analyte ID | Method ID |
| Particulates | TX | 3915 | 10404509 |
| Method EPA RM 5D | | | |
| Analyte | AB | Analyte ID | Method ID |
| Particulates | TX | 3915 | 10404601 |
| Method EPA RM 5F | | | |
| Analyte | AB | Analyte ID | Method ID |
| Particulates | TX | 3915 | 10404805 |
| Method EPA RM 5G | | | |
| Analyte | AB | Analyte ID | Method ID |
| Particulates | TX | 3915 | 10404907 |
| Method EPA RM 5H | | | |
| Analyte | AB | Analyte ID | Method ID |
| Particulates | TX | 3915 | 10405002 |
| Method EPA RM 5I | | | |
| Analyte | AB | Analyte ID | Method ID |
| Particulates | TX | 3915 | 10405104 |
| Method EPA RM 8 | | | |
| Analyte | AB | Analyte ID | Method ID |
| Sulfur dioxide | TX | 4010 | 10406005 |
| Sulfuric acid mist, sulfur dioxide | TX | 4020 | 10406005 |
| Method EPA TO-14A | | | |
| Analyte | AB | Analyte ID | Method ID |



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Matrix: Air & Emissions

| | | | |
|--|----|------|----------|
| 1,1,1-Trichloroethane | TX | 5160 | 10312002 |
| 1,1,2,2-Tetrachloroethane | TX | 5110 | 10312002 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | TX | 5195 | 10312002 |
| 1,1,2-Trichloroethane | TX | 5165 | 10312002 |
| 1,1-Dichloroethane | TX | 4630 | 10312002 |
| 1,1-Dichloroethylene | TX | 4640 | 10312002 |
| 1,2,4-Trichlorobenzene | TX | 5155 | 10312002 |
| 1,2,4-Trimethylbenzene | TX | 5210 | 10312002 |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | TX | 4585 | 10312002 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | TX | 4695 | 10312002 |
| 1,2-Dichlorobenzene | TX | 4610 | 10312002 |
| 1,2-Dichloroethane (Ethylene dichloride) | TX | 4635 | 10312002 |
| 1,2-Dichloropropane | TX | 4655 | 10312002 |
| 1,3,5-Trimethylbenzene | TX | 5215 | 10312002 |
| 1,3-Dichlorobenzene | TX | 4615 | 10312002 |
| 1,4-Dichlorobenzene | TX | 4620 | 10312002 |
| Benzene | TX | 4375 | 10312002 |
| Benzyl chloride | TX | 5635 | 10312002 |
| Carbon tetrachloride | TX | 4455 | 10312002 |
| Chlorobenzene | TX | 4475 | 10312002 |
| Chloroethane (Ethyl chloride) | TX | 4485 | 10312002 |
| Chloroform | TX | 4505 | 10312002 |
| cis-1,2-Dichloroethylene | TX | 4645 | 10312002 |
| cis-1,3-Dichloropropene | TX | 4680 | 10312002 |
| Dichlorodifluoromethane (Freon-12) | TX | 4625 | 10312002 |
| Ethylbenzene | TX | 4765 | 10312002 |
| Hexachlorobutadiene | TX | 4835 | 10312002 |
| Methyl bromide (Bromomethane) | TX | 4950 | 10312002 |
| Methyl chloride (Chloromethane) | TX | 4960 | 10312002 |
| Methylene chloride (Dichloromethane) | TX | 4975 | 10312002 |



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Matrix: Air & Emissions

| | | | |
|---|----|------|----------|
| Styrene | TX | 5100 | 10312002 |
| Tetrachloroethylene (Perchloroethylene) | TX | 5115 | 10312002 |
| Toluene | TX | 5140 | 10312002 |
| trans-1,2-Dichloroethylene | TX | 4700 | 10312002 |
| trans-1,3-Dichloropropylene | TX | 4685 | 10312002 |
| Trichloroethene (Trichloroethylene) | TX | 5170 | 10312002 |
| Trichlorofluoromethane (Fluorotrichloromethane, Freon 11) | TX | 5175 | 10312002 |
| Vinyl chloride | TX | 5235 | 10312002 |
| Xylene (total) | TX | 5260 | 10312002 |

Method EPA TO-15

| Analyte | AB | Analyte ID | Method ID |
|---|----|------------|-----------|
| 1,1,1-Trichloroethane | TX | 5160 | 10248803 |
| 1,1,1,2-Tetrachloroethane | TX | 5110 | 10248803 |
| 1,1,2-Trichloro-1,1,2,2-trifluoroethane (Freon 113) | TX | 5195 | 10248803 |
| 1,1,2-Trichloroethane | TX | 5165 | 10248803 |
| 1,1-Dichloroethane | TX | 4630 | 10248803 |
| 1,1-Dichloroethylene | TX | 4640 | 10248803 |
| 1,2,4-Trichlorobenzene | TX | 5155 | 10248803 |
| 1,2,4-Trimethylbenzene | TX | 5210 | 10248803 |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | TX | 4585 | 10248803 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | TX | 4695 | 10248803 |
| 1,2-Dichlorobenzene | TX | 4610 | 10248803 |
| 1,2-Dichloroethane (Ethylene dichloride) | TX | 4635 | 10248803 |
| 1,2-Dichloropropane | TX | 4655 | 10248803 |
| 1,3,5-Trimethylbenzene | TX | 5215 | 10248803 |
| 1,3-Butadiene | TX | 9318 | 10248803 |
| 1,3-Dichlorobenzene | TX | 4615 | 10248803 |
| 1,4-Dichlorobenzene | TX | 4620 | 10248803 |
| 1,4-Dioxane (1,4-Diethyleneoxide) | TX | 4735 | 10248803 |
| 1-Propene (Propylene) | TX | 4836 | 10248803 |



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| | | | |
|---|----|------|----------|
| 2-Butanone (Methyl ethyl ketone, MEK) | TX | 4410 | 10248803 |
| 4-Ethyltoluene | TX | 4542 | 10248803 |
| Benzene | TX | 4375 | 10248803 |
| Bromodichloromethane | TX | 4395 | 10248803 |
| Bromoform | TX | 4400 | 10248803 |
| Carbon tetrachloride | TX | 4455 | 10248803 |
| Chlorobenzene | TX | 4475 | 10248803 |
| Chlorodibromomethane | TX | 4575 | 10248803 |
| Chloroethane (Ethyl chloride) | TX | 4485 | 10248803 |
| Chloroform | TX | 4505 | 10248803 |
| cis-1,2-Dichloroethylene | TX | 4645 | 10248803 |
| cis-1,3-Dichloropropene | TX | 4680 | 10248803 |
| Cyclohexane | TX | 4555 | 10248803 |
| Dichlorodifluoromethane (Freon-12) | TX | 4625 | 10248803 |
| Ethylbenzene | TX | 4765 | 10248803 |
| Hexachlorobutadiene | TX | 4835 | 10248803 |
| m+p-xylene | TX | 5240 | 10248803 |
| Methyl bromide (Bromomethane) | TX | 4950 | 10248803 |
| Methyl chloride (Chloromethane) | TX | 4960 | 10248803 |
| Methyl isobutyl ketone (Hexone) (MIBK) | TX | 4985 | 10248803 |
| Methyl tert-butyl ether (MTBE) | TX | 5000 | 10248803 |
| Methylene chloride (Dichloromethane) | TX | 4975 | 10248803 |
| o-Xylene | TX | 5250 | 10248803 |
| Styrene | TX | 5100 | 10248803 |
| Tetrachloroethylene (Perchloroethylene) | TX | 5115 | 10248803 |
| Toluene | TX | 5140 | 10248803 |
| trans-1,3-Dichloropropylene | TX | 4685 | 10248803 |
| Trichloroethene (Trichloroethylene) | TX | 5170 | 10248803 |
| Trichlorofluoromethane (Fluorotrichloromethane, Freon 11) | TX | 5175 | 10248803 |
| Vinyl acetate | TX | 5225 | 10248803 |



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| | | | |
|-----------------------|-----------|-------------------|------------------|
| Vinyl chloride | TX | 5235 | 10248803 |
| Xylene (total) | TX | 5260 | 10248803 |
| Method TCEQ-23 | | | |
| Analyte | AB | Analyte ID | Method ID |
| Particulates | TX | 3915 | 60049743 |
| Method TCEQ-3 | | | |
| Analyte | AB | Analyte ID | Method ID |
| Ammonia as N | TX | 1515 | 60049787 |