



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

**Enthalpy Analytical, LLC**  
 800-1 Capitola Drive  
 Durham, NC 27713-4385

**Certificate:** T104704421-18-14  
**Expiration Date:** 10/31/2018  
**Issue Date:** 2/20/2018

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

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### Matrix: *Air & Emissions*

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**Method** 40 CFR Part 50 Appendix J

<b>Analyte</b> Particulates <10 um	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 3950	<b>Method ID</b> 10000507
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**Method** 40 CFR Part 50 Appendix L

<b>Analyte</b> Fine particulates <2.5 um	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 3805	<b>Method ID</b> 40 CFR 50 App L
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**Method** ASTM D1946

<b>Analyte</b> Carbon dioxide	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 3755	<b>Method ID</b> 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 CTM-008

<b>Analyte</b> Acrylonitrile	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 4340	<b>Method ID</b> EPA CTM-008
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**Method** EPA CTM-027

<b>Analyte</b> Ammonia as N	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 1515	<b>Method ID</b> 10214707
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**Method** EPA RM 17

<b>Analyte</b> Particulates	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 3915	<b>Method ID</b> 10402707
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**Method** EPA RM 18

<b>Analyte</b> 1,3-Butadiene	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 9318	<b>Method ID</b> 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



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### Matrix: Air & Emissions

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
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

#### Method EPA RM 202

Analyte	AB	Analyte ID	Method ID
Condensable Particulate Matter	LA-DEQ	10222	10403006

#### Method EPA RM 26

Analyte	AB	Analyte ID	Method ID
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

#### Method EPA RM 26A

Analyte	AB	Analyte ID	Method ID
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

#### Method EPA RM 308

Analyte	AB	Analyte ID	Method ID
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**Matrix: Air & Emissions**

Methanol	LA-DEQ	4930	10274507
<b>Method</b> EPA RM 316			
<b>Analyte</b> Formaldehyde	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 4815	<b>Method ID</b> 10274449
<b>Method</b> EPA RM 5			
<b>Analyte</b> Particulates	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 3915	<b>Method ID</b> 10404305
<b>Method</b> EPA RM 5A			
<b>Analyte</b> Particulates	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 3915	<b>Method ID</b> 10404407
<b>Method</b> EPA RM 5B			
<b>Analyte</b> Particulates	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 3915	<b>Method ID</b> 10404509
<b>Method</b> EPA RM 5F			
<b>Analyte</b> Particulates	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 3915	<b>Method ID</b> 10404805
<b>Method</b> EPA RM 6			
<b>Analyte</b> Sulfur dioxide	<b>AB</b> LA-DEQ	<b>Analyte ID</b> 4010	<b>Method ID</b> 10405206
<b>Method</b> EPA RM 8			
<b>Analyte</b> Sulfur dioxide Sulfuric acid mist, sulfur dioxide	<b>AB</b> LA-DEQ LA-DEQ	<b>Analyte ID</b> 4010 4020	<b>Method ID</b> 10406005 10406005
<b>Method</b> EPA TO-14A			
<b>Analyte</b> 1,2,4-Trichlorobenzene 1,3,5-Trimethylbenzene Benzene Ethylbenzene Styrene	<b>AB</b> LA-DEQ LA-DEQ LA-DEQ LA-DEQ LA-DEQ	<b>Analyte ID</b> 5155 5215 4375 4765 5100	<b>Method ID</b> 10312002 10312002 10312002 10312002 10312002



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### Matrix: Air & Emissions

#### Method EPA TO-15

Analyte	AB	Analyte ID	Method ID
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	5195	10248803
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



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**Matrix: Air & Emissions**

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
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



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**Matrix: *Air & Emissions***

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Vinyl chloride	LA-DEQ	5235	10248803
Xylene (total)	LA-DEQ	5260	10248803