



Texas Commission on  
Environmental Quality

## Certificate of Accreditation



*Accreditation is hereby granted to*

**Enthalpy Analytical, LLC - Deer Park**  
931 Seaco Court  
Deer Park, TX 77536-3187

State Lab ID: T104704255  
Effective Date: 07/02/2024  
Expiration Date: 09/30/2024  
Certificate ID: TX-C24-00254

### Conditions of Accreditation

This laboratory has been found to conform with TCEQ rules and applicable standards for laboratory accreditation. The scope of accreditation is limited to the Fields of Accreditation (FoA) specifically listed on the subsequent page(s) of this certificate. Accreditation is for all version of a method approved per 40 CFR 136, 40 CFR 141, and/or 40 CFR 143. Continued accreditation requires ongoing compliance with all applicable standards and requirements.

Note: For the attached FoA table, matrices may include DW (drinking water), NPW (non-potable water), S (solid and chemical materials), A (air), and/or BT (biological tissue).

A handwritten signature in black ink that reads "K Keel".

Issued By: Kelly Keel, Executive Director Texas Commission on Environmental Quality  
Date Issued: 07/02/2024

### Laboratory Fields of Accreditation

Matrix	Method	Method Code	Analyte	Analyte Code	AB
A	40 CFR Part 50 Appendix L	10000709	Fine Particulates <2.5 um	3805	TX
A	ASTM D1946	30024465	Carbon dioxide	3755	TX
A	ASTM D1946	30024465	Carbon monoxide	3780	TX
A	ASTM D1946	30024465	Ethane	4747	TX
A	ASTM D1946	30024465	Hydrogen	1772	TX
A	ASTM D1946	30024465	Methane	4926	TX
A	ASTM D1946	30024465	Nitrogen	1843	TX
A	ASTM D1946	30024465	Oxygen	3895	TX
A	EPA Method 17	10402707	Particulate Matter	3915	TX
A	EPA Method 18	10246636	1,3-Butadiene	9318	TX
A	EPA Method 18	10246636	Benzene	4375	TX
A	EPA Method 18	10246636	Ethane	4747	TX
A	EPA Method 18	10246636	Ethene	4752	TX
A	EPA Method 18	10246636	Ethylbenzene	4765	TX
A	EPA Method 18	10246636	Methane	4926	TX
A	EPA Method 18	10246636	n-Butane	5007	TX
A	EPA Method 18	10246636	n-Hexane	4855	TX
A	EPA Method 18	10246636	n-Pentane	5028	TX
A	EPA Method 18	10246636	n-Propane	5029	TX
A	EPA Method 18	10246636	Propene	4836	TX
A	EPA Method 18	10246636	Toluene	5140	TX
A	EPA Method 18	10246636	Total Butene (all isomers)	5142	TX
A	EPA Method 18	10246636	Total Xylene	5260	TX
A	EPA Method 202	10403006	Condensable Particulate Matter	4467	TX
A	EPA Method 308	10274507	Methanol	4930	TX
A	EPA Method 5	10404305	Particulate Matter	3915	TX
A	EPA Method 5A	10404407	Particulate Matter	3915	TX
A	EPA Method 5D	10404601	Particulate Matter	3915	TX
A	EPA Method 5G	10404907	Particulate Matter	3915	TX
A	EPA Method 5H	10405002	Particulate Matter	3915	TX
A	EPA Method 5I	10405104	Particulate Matter	3915	TX
A	EPA TO-14A	10312002	1,1,1-Trichloroethane	5160	TX
A	EPA TO-14A	10312002	1,1,2,2-Tetrachloroethane	5110	TX
A	EPA TO-14A	10312002	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5185	TX
A	EPA TO-14A	10312002	1,1,2-Trichloroethane	5165	TX
A	EPA TO-14A	10312002	1,1-Dichloroethane	4630	TX

A	EPA TO-14A	10312002	1,1-Dichloroethylene	4640	TX
A	EPA TO-14A	10312002	1,2,4-Trichlorobenzene	5155	TX
A	EPA TO-14A	10312002	1,2,4-Trimethylbenzene	5210	TX
A	EPA TO-14A	10312002	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	TX
A	EPA TO-14A	10312002	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4695	TX
A	EPA TO-14A	10312002	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	TX
A	EPA TO-14A	10312002	1,2-Dichloroethane (Ethylene dichloride)	4635	TX
A	EPA TO-14A	10312002	1,2-Dichloropropane	4655	TX
A	EPA TO-14A	10312002	1,3,5-Trimethylbenzene	5215	TX
A	EPA TO-14A	10312002	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	TX
A	EPA TO-14A	10312002	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	TX
A	EPA TO-14A	10312002	Benzene	4375	TX
A	EPA TO-14A	10312002	Benzyl chloride	5635	TX
A	EPA TO-14A	10312002	Carbon tetrachloride	4455	TX
A	EPA TO-14A	10312002	Chlorobenzene	4475	TX
A	EPA TO-14A	10312002	Chloroethane (Ethyl chloride)	4485	TX
A	EPA TO-14A	10312002	Chloroform	4505	TX
A	EPA TO-14A	10312002	cis-1,2-Dichloroethylene	4645	TX
A	EPA TO-14A	10312002	cis-1,3-Dichloropropene	4680	TX
A	EPA TO-14A	10312002	Dichlorodifluoromethane (Freon-12)	4625	TX
A	EPA TO-14A	10312002	Ethylbenzene	4765	TX
A	EPA TO-14A	10312002	Hexachlorobutadiene	4835	TX
A	EPA TO-14A	10312002	Methyl bromide (Bromomethane)	4950	TX
A	EPA TO-14A	10312002	Methyl chloride (Chloromethane)	4960	TX
A	EPA TO-14A	10312002	Methylene chloride (Dichloromethane)	4975	TX
A	EPA TO-14A	10312002	Styrene	5100	TX
A	EPA TO-14A	10312002	Tetrachloroethylene (Perchloroethylene)	5115	TX
A	EPA TO-14A	10312002	Toluene	5140	TX
A	EPA TO-14A	10312002	Total Xylene	5260	TX
A	EPA TO-14A	10312002	trans-1,2-Dichloroethylene	4700	TX
A	EPA TO-14A	10312002	trans-1,3-Dichloropropylene	4685	TX
A	EPA TO-14A	10312002	Trichloroethene (Trichloroethylene)	5170	TX
A	EPA TO-14A	10312002	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175	TX
A	EPA TO-14A	10312002	Vinyl chloride (Chloroethene)	5235	TX

A	EPA TO-15	10248803	1,1,1-Trichloroethane	5160	TX
A	EPA TO-15	10248803	1,1,2,2-Tetrachloroethane	5110	TX
A	EPA TO-15	10248803	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5185	TX
A	EPA TO-15	10248803	1,1,2-Trichloroethane	5165	TX
A	EPA TO-15	10248803	1,1-Dichloroethane	4630	TX
A	EPA TO-15	10248803	1,1-Dichloroethylene	4640	TX
A	EPA TO-15	10248803	1,2,4-Trichlorobenzene	5155	TX
A	EPA TO-15	10248803	1,2,4-Trimethylbenzene	5210	TX
A	EPA TO-15	10248803	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	TX
A	EPA TO-15	10248803	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4695	TX
A	EPA TO-15	10248803	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	TX
A	EPA TO-15	10248803	1,2-Dichloroethane (Ethylene dichloride)	4635	TX
A	EPA TO-15	10248803	1,2-Dichloropropane	4655	TX
A	EPA TO-15	10248803	1,3,5-Trimethylbenzene	5215	TX
A	EPA TO-15	10248803	1,3-Butadiene	9318	TX
A	EPA TO-15	10248803	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	TX
A	EPA TO-15	10248803	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	TX
A	EPA TO-15	10248803	1,4-Dioxane (1,4- Diethyleneoxide)	4735	TX
A	EPA TO-15	10248803	2-Butanone (Methyl ethyl ketone, MEK)	4410	TX
A	EPA TO-15	10248803	4-Ethyltoluene	4542	TX
A	EPA TO-15	10248803	Benzene	4375	TX
A	EPA TO-15	10248803	Bromodichloromethane	4395	TX
A	EPA TO-15	10248803	Bromoform	4400	TX
A	EPA TO-15	10248803	Carbon tetrachloride	4455	TX
A	EPA TO-15	10248803	Chlorobenzene	4475	TX
A	EPA TO-15	10248803	Chlorodibromomethane	4575	TX
A	EPA TO-15	10248803	Chloroethane (Ethyl chloride)	4485	TX
A	EPA TO-15	10248803	Chloroform	4505	TX
A	EPA TO-15	10248803	cis-1,2-Dichloroethylene	4645	TX
A	EPA TO-15	10248803	cis-1,3-Dichloropropene	4680	TX
A	EPA TO-15	10248803	Cyclohexane	4555	TX
A	EPA TO-15	10248803	Dichlorodifluoromethane (Freon-12)	4625	TX
A	EPA TO-15	10248803	Ethylbenzene	4765	TX
A	EPA TO-15	10248803	Hexachlorobutadiene	4835	TX
A	EPA TO-15	10248803	m+p-xylene	5240	TX

A	EPA TO-15	10248803	Methyl bromide (Bromomethane)	4950	TX
A	EPA TO-15	10248803	Methyl chloride (Chloromethane)	4960	TX
A	EPA TO-15	10248803	Methyl isobutyl ketone (Hexone)	4985	TX
A	EPA TO-15	10248803	Methyl tert-butyl ether (MTBE)	5000	TX
A	EPA TO-15	10248803	Methylene chloride (Dichloromethane)	4975	TX
A	EPA TO-15	10248803	o-Xylene	5250	TX
A	EPA TO-15	10248803	Propene	4836	TX
A	EPA TO-15	10248803	Styrene	5100	TX
A	EPA TO-15	10248803	Tetrachloroethylene (Perchloroethylene)	5115	TX
A	EPA TO-15	10248803	Toluene	5140	TX
A	EPA TO-15	10248803	Total Xylene	5260	TX
A	EPA TO-15	10248803	trans-1,3-Dichloropropylene	4685	TX
A	EPA TO-15	10248803	Trichloroethene (Trichloroethylene)	5170	TX
A	EPA TO-15	10248803	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175	TX
A	EPA TO-15	10248803	Vinyl acetate	5225	TX
A	EPA TO-15	10248803	Vinyl chloride (Chloroethene)	5235	TX
A	TCEQ-23	60049743	Particulate Matter	3915	TX