

*State of New Jersey*  
*Department of Environmental Protection*  
*Certifies That*

**ENTHALPY ANALYTICAL, LLC**

Laboratory Certification ID # NC008

*is hereby approved as a*

**Nationally Accredited Environmental Laboratory**  
*to perform the analyses as indicated on the Annual Certified Parameter List*  
*which must accompany this certificate to be valid*

*having duly met the requirements of the*  
**Regulations Governing the Certification of**  
**Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.**  
*and*

*having been found compliant with the 2016 TNI Standard approved by the*  
**The NELAC Institute**

Expires June 30, 2021



A handwritten signature in blue ink that reads "Michele M. Potter".

Michele M. Potter  
Manager



NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

New Jersey Department of Environment Protection  
Environmental Laboratory Certification Program

Annual Certified Parameter List and Current Status

Effective as of 10/21/2020 until 6/30/2021



Laboratory Name: ENTHALPY ANALYTICAL, LLC Laboratory Number: NC008 Activity ID: NLC 200002  
800-1 CAPITOLA DR  
DURHAM NC 27713

Category: AE01 --Inorganics - Non-Metals Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE01.00001	Ammonia	Ion Chromatography	EPA CTM027	LA
Certified	Yes	AE01.00050	Bromine	Ion Chromatography	EPA 26	LA
Certified	Yes	AE01.00100	Bromine	Ion Chromatography	EPA 26A	LA
Certified	Yes	AE01.00150	Carbon Dioxide	Thermal Conductivity	EPA 3C	LA
Certified	Yes	AE01.00350	Chlorine	Ion Chromatography	EPA 26	LA
Certified	Yes	AE01.00400	Chlorine	Ion Chromatography	EPA 26A	LA
Certified	Yes	AE01.00700	Hydrogen bromide	Ion Chromatography	EPA 26	LA
Certified	Yes	AE01.00750	Hydrogen bromide	Ion Chromatography	EPA 26A	LA
Certified	Yes	AE01.00800	Hydrogen chloride	Ion Chromatography	EPA 26	LA
Certified	Yes	AE01.00850	Hydrogen chloride	Ion Chromatography	EPA 26A	LA
Certified	Yes	AE01.00900	Hydrogen cyanide	Ion Chromatography	EPA OTM-29	LA
Certified	Yes	AE01.00950	Hydrogen fluoride	Ion Chromatography	EPA 26	LA
Certified	Yes	AE01.01000	Hydrogen fluoride	Ion Chromatography	EPA 26A	LA
Certified	Yes	AE01.01100	Methane	Thermal Conductivity	EPA 3C	LA
Certified	Yes	AE01.01150	Nitrogen	Thermal Conductivity	EPA 3C	LA
Certified	Yes	AE01.01450	Oxygen	Thermal Conductivity	EPA 3C	LA
Certified	Yes	AE01.01500	Particulate Matter	Gravimetric	EPA 17	LA
Certified	Yes	AE01.01600	Particulate Matter	Gravimetric	EPA 201A	LA
Certified	Yes	AE01.01650	Particulate Matter	Gravimetric	EPA 202	LA
Certified	Yes	AE01.01800	Particulate Matter	Gravimetric	EPA 5	LA
Certified	Yes	AE01.01850	Particulate Matter	Gravimetric	EPA 5A	LA
Certified	Yes	AE01.01900	Particulate Matter	Gravimetric	EPA 5B	LA
Certified	Yes	AE01.02050	Particulate Matter	Gravimetric	EPA 5F	LA
Applied	No	AE01.02350	Particulate Matter	Gravimetric	Other NJ Air Test Method 1	NJ
Certified	Yes	AE01.02500	Sulfur Dioxide	Barium-Thorin Titration	EPA 6	LA
Certified	Yes	AE01.02750	Sulfur Trioxide	Ion Chromatography	EPA 8	LA
Certified	Yes	AE01.02900	Sulfuric acid	Barium-Thorin Titration	EPA 8	LA
Certified	Yes	AE01.03000	Surface coatings	Standard Methods	EPA 24	LA

Category: AE02 --Inorganics - Metals Analysis

New Jersey Department of Environment Protection  
Environmental Laboratory Certification Program

## Annual Certified Parameter List and Current Status

Effective as of 10/21/2020 until 6/30/2021



Laboratory Name: ENTHALPY ANALYTICAL, LLC Laboratory Number: NC008 Activity ID: NLC 200002  
800-1 CAPITOLA DR  
DURHAM NC 27713

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AED2.00250	Mercury	AA, Cold Vapor	EPA 101A	LA
Certified	Yes	AED2.00850	Arsenic	ICP/MS	EPA 108	LA
Certified	Yes	AED2.01200	Lead	ICP/MS	EPA 12	LA
Certified	Yes	AED2.01250	Mercury	AA, Cold Vapor	EPA 29	LA
Certified	Yes	AED2.03250	Antimony	ICP	EPA 29	LA
Certified	Yes	AED2.03300	Arsenic	ICP	EPA 29	LA
Certified	Yes	AED2.03350	Barium	ICP	EPA 29	LA
Certified	Yes	AED2.03400	Beryllium	ICP	EPA 29	LA
Certified	Yes	AED2.03450	Cadmium	ICP	EPA 29	LA
Certified	Yes	AED2.03500	Chromium	ICP	EPA 29	LA
Certified	Yes	AED2.03550	Cobalt	ICP	EPA 29	LA
Certified	Yes	AED2.03600	Copper	ICP	EPA 29	LA
Certified	Yes	AED2.03700	Lead	ICP	EPA 29	LA
Certified	Yes	AED2.03750	Manganese	ICP	EPA 29	LA
Certified	Yes	AED2.03850	Nickel	ICP	EPA 29	LA
Certified	Yes	AED2.03950	Selenium	ICP	EPA 29	LA
Certified	Yes	AED2.04000	Silver	ICP	EPA 29	LA
Certified	Yes	AED2.04050	Thallium	ICP	EPA 29	LA
Certified	Yes	AED2.04200	Zinc	ICP	EPA 29	LA
Certified	Yes	AED2.04300	Antimony	ICP/MS	EPA 29	LA
Certified	Yes	AED2.04350	Arsenic	ICP/MS	EPA 29	LA
Certified	Yes	AED2.04400	Barium	ICP/MS	EPA 29	LA
Certified	Yes	AED2.04450	Beryllium	ICP/MS	EPA 29	LA
Certified	Yes	AED2.04500	Cadmium	ICP/MS	EPA 29	LA
Certified	Yes	AED2.04550	Chromium	ICP/MS	EPA 29	LA
Certified	Yes	AED2.04600	Cobalt	ICP/MS	EPA 29	LA
Certified	Yes	AED2.04650	Copper	ICP/MS	EPA 29	LA
Certified	Yes	AED2.04750	Lead	ICP/MS	EPA 29	LA
Certified	Yes	AED2.04800	Manganese	ICP/MS	EPA 29	LA
Certified	Yes	AED2.04900	Nickel	ICP/MS	EPA 29	LA
Certified	Yes	AED2.05000	Selenium	ICP/MS	EPA 29	LA
Certified	Yes	AED2.05050	Silver	ICP/MS	EPA 29	LA

New Jersey Department of Environment Protection  
Environmental Laboratory Certification Program



Annual Certified Parameter List and Current Status

Effective as of 10/21/2020 until 6/30/2021

Laboratory Name: ENTHALPY ANALYTICAL, LLC Laboratory Number: NC008 Activity ID: NLC 200002  
800-1 CAPITOLA DR  
DURHAM NC 27713

Category: AE02 --Inorganics - Metals Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE02.05100	Thallium	ICP/MS	EPA 29	LA
Certified	Yes	AE02.05250	Zinc	ICP/MS	EPA 29	LA
Certified	Yes	AE02.05350	Chromium	ICP	EPA 306	LA

Category: AE04 --Organics Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE04.01650	Carbon disulfide	Gas Chromatography / FPD	EPA 15	LA
Certified	Yes	AE04.01700	Carbon oxysulfide (Carbonyl sulfide)	Gas Chromatography / FPD	EPA 15	LA
Certified	Yes	AE04.01750	Hydrogen sulfide	Gas Chromatography / FPD	EPA 15	LA
Certified	Yes	AE04.01800	Sulfur	Gas Chromatography / FPD	EPA 16	LA
Certified	Yes	AE04.01900	Volatile organics	GC	EPA 18	LA
Certified	Yes	AE04.03450	Methyl alcohol (Methanol)	GC/FID	EPA 308	LA
Certified	Yes	AE04.03500	Formaldehyde	Spectrophotometric	EPA 316	LA
Certified	Yes	AE04.13220	Acetaldehyde	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13250	Acetone	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13300	Benzaldehyde	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13350	Benzaldehyde [2,5-Dimethyl]	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13400	Butanal [3-Methyl] (Isovaleraldehyde)	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13500	Butenal (2-) (Crotonaldehyde)	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13550	Butyl aldehyde	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13600	Formaldehyde	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13650	Hexanal [Hexaldehyde/Caproaldehyde]	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13700	Pentanal [Valeraldehyde]	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13750	Propionaldehyde	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13800	Tctualdehyde (2-)	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13850	Tctualdehyde (3-)	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.13900	Tctualdehyde (4-)	HPLC/UV, Adsorbant Cartridge	EPA TO-11A	LA
Certified	Yes	AE04.14950	Benzene	GC/MS, Canisters	EPA TO-14A	LA

New Jersey Department of Environment Protection  
Environmental Laboratory Certification Program

Annual Certified Parameter List and Current Status

Effective as of 10/21/2020 until 6/30/2021



Laboratory Name: ENTHALPY ANALYTICAL, LLC Laboratory Number: NC008 Activity ID: NLC 200002  
800-1 CAPITOLA DR  
DURHAM NC 27713

Category: AE04 --Organics Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE04.16700	Ethylbenzene	GC/MS, Canisters	EPA TO-14A	LA
Certified	Yes	AE04.17250	Trichlorobenzene (1,2,4-)	GC/MS, Canisters	EPA TO-14A	LA
Certified	Yes	AE04.17700	Xylene (m-)	GC/MS, Canisters	EPA TO-14A	LA
Certified	Yes	AE04.17750	Xylene (o-)	GC/MS, Canisters	EPA TO-14A	LA
Certified	Yes	AE04.17800	Xylene (p-)	GC/MS, Canisters	EPA TO-14A	LA
Certified	Yes	AE04.17950	Acetone	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18000	Acetonitrile	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18100	Acrolein	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18250	Acrylonitrile	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18300	Allyl chloride	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18400	Benzene	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18450	Benzyl chloride	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18600	Bromodichloromethane	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18650	Bromoform	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18700	Bromomethane	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18750	Butadiene (1,3-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.18900	Carbon disulfide	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19000	Carbon tetrachloride	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19150	Chlorobenzene	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19200	Chloroethane	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19250	Chloroform	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19300	Chloromethane	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19500	Cyclohexane	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19650	Dibromochloromethane	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19700	Dibromoethane (1,2-) (EDB)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19750	Dichlorobenzene (1,2-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19800	Dichlorobenzene (1,3-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19850	Dichlorobenzene (1,4-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19900	Dichlorodifluoromethane	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.19950	Dichloroethane (1,1-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.20000	Dichloroethane (1,2-)	GC/MS, Canisters	EPA TO-15	LA

New Jersey Department of Environment Protection  
Environmental Laboratory Certification Program

Annual Certified Parameter List and Current Status

Effective as of 10/21/2020 until 6/30/2021



Laboratory Name: ENTHALPY ANALYTICAL, LLC Laboratory Number: NC008 Activity ID: NLC 200002  
800-1 CAPITOLA DR  
DURHAM NC 27713

Category: AE04 --Organics Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE04.20050	Dichloroethene (1,1-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.20100	Dichloroethene (cis-1,2-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.20150	Dichloroethene (trans-1,2-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.20250	Dichloropropane (1,2-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.20300	Dichloropropene (cis-1,3-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.20350	Dichloropropene (trans-1,3-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.20400	Dichlorotetrafluoroethane (1,2-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.20750	Dioxane (1,4-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.20950	Ethyl acetate	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.21100	Ethylbenzene	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.21250	Ethyltoluene (4-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.21400	Heptane (n-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.21450	Hexachlorobutadiene (1,3-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.21550	Hexane (n-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.21600	Hexanone (2-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.21850	Methyl ethyl ketone (MEK)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.21950	Methyl isobutyl ketone (MIBK)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.22050	Methyl methacrylate	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.22100	Methyl tert-butyl ether	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.22150	Methylene chloride (Dichloromethane)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.22950	Propylene	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.23150	Styrene	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.23350	Tetrachloroethane (1,1,2,2-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.23400	Tetrachloroethene	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.23450	Tetrahydrofuran	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.23500	Toluene	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.23550	Trichloro (1,1,2-) trifluoroethane (1,2,2-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.23600	Trichlorobenzene (1,2,4-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.23650	Trichloroethane (1,1,1-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.23700	Trichloroethane (1,1,2-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AE04.23750	Trichloroethene	GC/MS, Canisters	EPA TO-15	LA

New Jersey Department of Environment Protection  
Environmental Laboratory Certification Program

## Annual Certified Parameter List and Current Status

Effective as of 10/21/2020 until 6/30/2021



Laboratory Name: ENTHALPY ANALYTICAL, LLC Laboratory Number: NC008 Activity ID: NLC 200002  
800-1 CAPITOLA DR  
DURHAM NC 27713

Category: AE04 --Organics Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AED4.23800	Trichlorofluoromethane	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AED4.24050	Trimethylbenzene (1,2,4-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AED4.24150	Trimethylpentane (2,2,4-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AED4.24200	Vinyl acetate	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AED4.24250	Vinyl bromide	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AED4.24300	Vinyl chloride	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AED4.24350	Xylene (m-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AED4.24400	Xylene (o-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AED4.24450	Xylene (p-)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AED4.24500	Xylenes (total)	GC/MS, Canisters	EPA TO-15	LA
Certified	Yes	AED4.35700	Acetaldehyde	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.35750	Acetone	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.35800	Acrolein	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.35850	Benzaldehyde	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.35950	Crotonaldehyde	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.36000	Formaldehyde	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.36050	Hexanal [Hexaldehyde/Caproaldehyde]	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.36150	Pentanal [Valeraldehyde]	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.36200	Propionaldehyde	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.36250	Tolualdehyde (2-)	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.36300	Tolualdehyde (3-)	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.36350	Tolualdehyde (4-)	HPLC/UV, HV PLF	EPA TO-5	LA
Certified	Yes	AED4.44400	Acetaldehyde	HPLC, Extraction, Derivatization	SW-846 8315A	LA
Certified	Yes	AED4.44450	Acetone	HPLC/UV, Stack/indoor air	SW-846 8315A	LA
Certified	Yes	AED4.44500	Benzaldehyde	HPLC/UV, Stack/indoor air	SW-846 8315A	LA
Certified	Yes	AED4.44550	Butanal [3-Methyl] (Isovaleraldehyde)	HPLC/UV, Stack/indoor air	SW-846 8315A	LA
Certified	Yes	AED4.44600	Butyl aldehyde	HPLC/UV, Stack/indoor air	SW-846 8315A	LA
Certified	Yes	AED4.44650	Crotonaldehyde	HPLC/UV, Stack/indoor air	SW-846 8315A	LA
Certified	Yes	AED4.44700	Propionaldehyde	HPLC/UV, Stack/indoor air	SW-846 8315A	LA

New Jersey Department of Environment Protection  
Environmental Laboratory Certification Program

**Annual Certified Parameter List and Current Status**

Effective as of 10/21/2020 until 6/30/2021



Laboratory Name: ENTHALPY ANALYTICAL, LLC Laboratory Number: NC008 Activity ID: NLC 200002  
800-1 CAPITOLA DR  
DURHAM NC 27713

A handwritten signature in cursive script, reading "Michele M. Potter".

**Michele M. Potter, Manager**