

# State of Utah

Department of Health

Environmental Laboratory Certification Program

*Certification is hereby granted to*

Energy Laboratories Inc.

2393 Salt Creek Highway

Casper, WY 82601

*Has conformed with the  
2009 TNI Standard*

*Scope of accreditation is limited to the  
State of Utah accredited fields that accompany  
this Certificate*

EPA Number: WY000002

Expiration Date: 7/31/2020

Certificate Number: WY0000022019-12



Robyn M. Atkinson, Ph.D, HCLD  
Director, Utah Public Health Laboratory

*Continued accredited status depends on successful ongoing participation in the program.*





State of Utah

Gary R. Herbert

Governor

Spencer J. Cox

Lieutenant Governor

Utah Department of Health

Dr. Joseph K. Miner

Executive Director

Division of Disease Control and Prevention

Robyn M. Atkinson, Ph.D, HCLD

Director, Utah Public Health Laboratory



EPA Number: WY00002

Attachment to Certificate Number: WY000022019-12

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Energy Laboratories Inc.

Start Date Expires AB

Program/Matrix: CWA (Non Potable Water)

Method EPA 1664A

Oil & Grease	08/01/16	07/31/20	FL
Total recoverable petroleum hydrocarbons (TRPH)	08/01/16	07/31/20	FL

Method EPA 200.7

Aluminum	08/01/16	07/31/20	FL
Antimony	08/01/16	07/31/20	FL
Arsenic	08/01/16	07/31/20	FL
Barium	08/01/16	07/31/20	FL
Beryllium	08/01/16	07/31/20	FL
Boron	08/01/16	07/31/20	FL
Cadmium	08/01/16	07/31/20	FL
Calcium	08/01/16	07/31/20	FL
Chromium	08/01/16	07/31/20	FL
Cobalt	08/01/16	07/31/20	FL
Copper	08/01/16	07/31/20	FL
Iron	08/01/16	07/31/20	FL
Lead	08/01/16	07/31/20	FL
Magnesium	08/01/16	07/31/20	FL
Manganese	08/01/16	07/31/20	FL
Molybdenum	08/01/16	07/31/20	FL
Nickel	08/01/16	07/31/20	FL
Phosphorus, total	08/01/16	07/31/20	FL
Potassium	08/01/16	07/31/20	FL
Selenium	08/01/16	07/31/20	FL
Silicon	08/01/16	07/31/20	FL
Silver	08/01/16	07/31/20	FL
Sodium	08/01/16	07/31/20	FL
Strontium	08/01/16	07/31/20	FL
Titanium	08/01/16	07/31/20	FL
Vanadium	08/01/16	07/31/20	FL
Zinc	08/01/16	07/31/20	FL

Method EPA 200.8

Aluminum	08/01/16	07/31/20	FL
Antimony	08/01/16	07/31/20	FL
Arsenic	08/01/16	07/31/20	FL
Barium	08/01/16	07/31/20	FL



Energy Laboratories Inc.

Start Date Expires AB

**Program/Matrix: CWA (Non Potable Water)**

	Start Date	Expires	AB
Beryllium	08/01/16	07/31/20	FL
Boron	08/01/16	07/31/20	FL
Cadmium	08/01/16	07/31/20	FL
Chromium	08/01/16	07/31/20	FL
Cobalt	08/01/16	07/31/20	FL
Copper	08/01/16	07/31/20	FL
Lead	08/01/16	07/31/20	FL
Manganese	08/01/16	07/31/20	FL
Molybdenum	08/01/16	07/31/20	FL
Nickel	08/01/16	07/31/20	FL
Potassium	08/01/16	07/31/20	FL
Selenium	08/01/16	07/31/20	FL
Silver	08/01/16	07/31/20	FL
Sodium	08/01/16	07/31/20	FL
Strontium	08/01/16	07/31/20	FL
Thallium	08/01/16	07/31/20	FL
Thorium	08/01/16	07/31/20	FL
Tin	08/01/16	07/31/20	FL
Titanium	08/01/16	07/31/20	FL
Uranium	08/01/16	07/31/20	FL
Vanadium	08/01/16	07/31/20	FL
Zinc	08/01/16	07/31/20	FL
<b>Method EPA 300.0</b>			
Bromide	08/01/16	07/31/20	FL
Chloride	08/01/16	07/31/20	FL
Fluoride	08/01/16	07/31/20	FL
Sulfate	08/01/16	07/31/20	FL
<b>Method EPA 350.1</b>			
Ammonia as N	06/01/19	07/31/20	FL
<b>Method EPA 353.2</b>			
Nitrate-nitrite	08/01/16	07/31/20	FL
<b>Method EPA 365.1</b>			
Orthophosphate as P	08/01/16	07/31/20	FL
Phosphorus, total	08/01/16	07/31/20	FL
<b>Method EPA 900</b>			
Gross-alpha	08/01/16	07/31/20	FL
Gross-beta	08/01/16	07/31/20	FL
<b>Method EPA 903</b>			
Total alpha radium	08/01/16	07/31/20	FL
<b>Method HACH 8000</b>			
Chemical oxygen demand	08/01/16	07/31/20	FL
<b>Method SM 2320 B-1997</b>			
Alkalinity as CaCO3	08/01/16	07/31/20	FL
<b>Method SM 2340 B-2011</b>			
Total hardness as CaCO3	08/01/16	07/31/20	FL
<b>Method SM 2510 B-2011</b>			

Energy Laboratories Inc.

	Start Date	Expires	AB
<b>Program/Matrix:</b> CWA (Non Potable Water)			
Conductivity	08/01/16	07/31/20	FL
<b>Method SM 2540 C-2011</b>			
Residue-filterable (TDS)	08/01/16	07/31/20	FL
<b>Method SM 2540 D-1997</b>			
Residue-nonfilterable (TSS)	08/01/16	07/31/20	FL
<b>Method SM 4500-F<sup>-</sup> C-2011</b>			
Fluoride	08/01/16	07/31/20	FL
<b>Method SM 4500-H<sup>+</sup> B-2011</b>			
pH	08/01/16	07/31/20	FL
<b>Method SM 4500-NO<sub>2</sub><sup>-</sup> B-2011</b>			
Nitrite as N	08/01/16	07/31/20	FL
<b>Method SM 5310 C-2000</b>			
Total organic carbon	08/01/16	07/31/20	FL
<b>Method SM 7500-U C</b>			
Uranium	08/01/16	07/31/20	FL

Energy Laboratories Inc.

Start Date Expires AB

**Program/Matrix: RCRA (Non Potable Water)****Method EPA 1664A**

Method	Start Date	Expires	AB
Oil & Grease	08/01/16	07/31/20	FL
Total recoverable petroleum hydrocarbons (TRPH)	08/01/16	07/31/20	FL

**Method EPA 3010A**

Method	Start Date	Expires	AB
Acid Digestion of Aqueous samples and Extracts for Total Metals	08/01/16		FL

**Method EPA 3510C**

Method	Start Date	Expires	AB
Seperatory Funnel Liquid-Liquid Extraction	08/01/16		FL

**Method EPA 5030**

Method	Start Date	Expires	AB
Aqueous-phase Purge & Trap	08/01/16		FL

**Method EPA 6010C**

Method	Start Date	Expires	AB
Barium	08/01/16	07/31/20	FL
Cadmium	08/01/16	07/31/20	FL
Chromium	08/01/16	07/31/20	FL
Lead	08/01/16	07/31/20	FL
Selenium	08/01/16	07/31/20	FL
Silver	08/01/16	07/31/20	FL

**Method EPA 6020A**

Method	Start Date	Expires	AB
Arsenic	08/01/16	07/31/20	FL
Barium	08/01/16	07/31/20	FL
Cadmium	08/01/16	07/31/20	FL
Chromium	08/01/16	07/31/20	FL
Lead	08/01/16	07/31/20	FL
Selenium	08/01/16	07/31/20	FL
Silicon	08/01/16	07/31/20	FL
Silver	08/01/16	07/31/20	FL

**Method EPA 8015B**

Method	Start Date	Expires	AB
Diesel range organics (DRO)	08/01/16	07/31/20	FL
Gasoline range organics (GRO)	08/01/16	07/31/20	FL

**Method EPA 8260B**

Method	Start Date	Expires	AB
1,1,1,2-Tetrachloroethane	08/01/16	07/31/20	FL
1,1,1-Trichloroethane	08/01/16	07/31/20	FL
1,1,2,2-Tetrachloroethane	08/01/16	07/31/20	FL
1,1,2-Trichloroethane	08/01/16	07/31/20	FL
1,1-Dichloroethane	08/01/16	07/31/20	FL
1,1-Dichloroethylene	08/01/16	07/31/20	FL
1,1-Dichloropropene	08/01/16	07/31/20	FL
1,2,3-Trichlorobenzene	08/01/16	07/31/20	FL
1,2,3-Trichloropropane	08/01/16	07/31/20	FL
1,2,4-Trichlorobenzene	08/01/16	07/31/20	FL
1,2,4-Trimethylbenzene	08/01/16	07/31/20	FL
1,2-Dibromo-3-chloropropane (DBCP)	08/01/16	07/31/20	FL
1,2-Dibromoethane (EDB, Ethylene dibromide)	08/01/16	07/31/20	FL
1,2-Dichlorobenzene (o-Dichlorobenzene)	08/01/16	07/31/20	FL
1,2-Dichloroethane (Ethylene dichloride)	08/01/16	07/31/20	FL
1,2-Dichloropropane	08/01/16	07/31/20	FL
1,3,5-Trimethylbenzene	08/01/16	07/31/20	FL
1,3-Dichlorobenzene	08/01/16	07/31/20	FL

Energy Laboratories Inc.

Start Date Expires AB

**Program/Matrix: RCRA (Non Potable Water)**

Program/Matrix: RCRA (Non Potable Water)	Start Date	Expires	AB
1,3-Dichloropropane	08/01/16	07/31/20	FL
1,4-Dichlorobenzene	08/01/16	07/31/20	FL
2,2-Dichloropropane	08/01/16	07/31/20	FL
2-Butanone (Methyl ethyl ketone, MEK)	08/01/16	07/31/20	FL
2-Chloroethyl vinyl ether	08/01/16	07/31/20	FL
2-Chlorotoluene	08/01/16	07/31/20	FL
2-Hexanone	08/01/16	07/31/20	FL
4-Chlorotoluene	08/01/16	07/31/20	FL
4-Methyl-2-pentanone (MIBK)	08/01/16	07/31/20	FL
Acetone	08/01/16	07/31/20	FL
Acetonitrile	08/01/16	07/31/20	FL
Acrolein (Propenal)	08/01/16	07/31/20	FL
Acrylonitrile	08/01/16	07/31/20	FL
Allyl chloride (3-Chloropropene)	08/01/16	07/31/20	FL
Benzene	08/01/16	07/31/20	FL
Bromobenzene	08/01/16	07/31/20	FL
Bromochloromethane	08/01/16	07/31/20	FL
Bromodichloromethane	08/01/16	07/31/20	FL
Bromoform	08/01/16	07/31/20	FL
Carbon disulfide	08/01/16	07/31/20	FL
Carbon tetrachloride	08/01/16	07/31/20	FL
Chlorobenzene	08/01/16	07/31/20	FL
Chlorodibromomethane	08/01/16	07/31/20	FL
Chloroethane (Ethyl chloride)	08/01/16	07/31/20	FL
Chloroform	08/01/16	07/31/20	FL
Chloroprene (2-Chloro-1,3-butadiene)	08/01/16	07/31/20	FL
cis-1,2-Dichloroethylene	08/01/16	07/31/20	FL
cis-1,3-Dichloropropene	08/01/16	07/31/20	FL
Dibromomethane (Methylene bromide)	08/01/16	07/31/20	FL
Dichlorodifluoromethane (Freon-12)	08/01/16	07/31/20	FL
Diethyl ether	08/01/16	07/31/20	FL
Ethyl acetate	08/01/16	07/31/20	FL
Ethylbenzene	08/01/16	07/31/20	FL
Hexachlorobutadiene	08/01/16	07/31/20	FL
Iodomethane (Methyl iodide)	08/01/16	07/31/20	FL
Isobutyl alcohol (2-Methyl-1-propanol)	08/01/16	07/31/20	FL
Isopropylbenzene	08/01/16	07/31/20	FL
Methyl bromide (Bromomethane)	08/01/16	07/31/20	FL
Methyl chloride (Chloromethane)	08/01/16	07/31/20	FL
Methyl tert-butyl ether (MTBE)	08/01/16	07/31/20	FL
Methylene chloride (Dichloromethane)	08/01/16	07/31/20	FL
Naphthalene	08/01/16	07/31/20	FL
n-Butylbenzene	08/01/16	07/31/20	FL
n-Propylbenzene	08/01/16	07/31/20	FL
Propionitrile (Ethyl cyanide)	08/01/16	07/31/20	FL
sec-Butylbenzene	08/01/16	07/31/20	FL
Styrene	08/01/16	07/31/20	FL
tert-Butylbenzene	08/01/16	07/31/20	FL
Tetrachloroethylene (Perchloroethylene)	08/01/16	07/31/20	FL

Energy Laboratories Inc.

**Start Date Expires AB****Program/Matrix: RCRA (Non Potable Water)**

Toluene	08/01/16	07/31/20	FL
trans-1,2-Dichloroethylene	08/01/16	07/31/20	FL
trans-1,3-Dichloropropylene	08/01/16	07/31/20	FL
trans-1,4-Dichloro-2-butene	08/01/16	07/31/20	FL
Trichloroethene (Trichloroethylene)	08/01/16	07/31/20	FL
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	08/01/16	07/31/20	FL
Vinyl acetate	08/01/16	07/31/20	FL
Vinyl chloride (chloroethene)	08/01/16	07/31/20	FL
Xylene (total)	08/01/16	07/31/20	FL

**Method EPA 8260C**

o-Xylene	08/01/16	07/31/20	FL
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Energy Laboratories Inc.

Start Date Expires AB

**Program/Matrix: RCRA (Solid & Hazardous Material)****Method EPA 3050B**

Acid Digestion of Solids 08/01/16 FL

**Method EPA 3550A**

Ultrasonic Extraction 08/01/16 FL

**Method EPA 5035**

Solid-Phase Purge &amp; Trap 08/01/16 FL

**Method EPA 6010C**

Antimony 08/01/16 07/31/20 FL

Barium 08/01/16 07/31/20 FL

Cadmium 08/01/16 07/31/20 FL

Chromium 08/01/16 07/31/20 FL

Lead 08/01/16 07/31/20 FL

Selenium 08/01/16 07/31/20 FL

Silver 08/01/16 07/31/20 FL

**Method EPA 6020A**

Arsenic 08/01/16 07/31/20 FL

Barium 08/01/16 07/31/20 FL

Cadmium 08/01/16 07/31/20 FL

Chromium 08/01/16 07/31/20 FL

Lead 08/01/16 07/31/20 FL

Selenium 08/01/16 07/31/20 FL

Silver 08/01/16 07/31/20 FL

**Method EPA 8015B**

Diesel range organics (DRO) 08/01/16 07/31/20 FL

Gasoline range organics (GRO) 08/01/16 07/31/20 FL

**Method EPA 8260B**

1,1,1,2-Tetrachloroethane 08/01/16 07/31/20 FL

1,1,1-Trichloroethane 08/01/16 07/31/20 FL

1,1,2,2-Tetrachloroethane 08/01/16 07/31/20 FL

1,1,2-Trichloroethane 08/01/16 07/31/20 FL

1,1-Dichloroethane 08/01/16 07/31/20 FL

1,1-Dichloroethylene 08/01/16 07/31/20 FL

1,1-Dichloropropene 08/01/16 07/31/20 FL

1,2,3-Trichlorobenzene 08/01/16 07/31/20 FL

1,2,3-Trichloropropane 08/01/16 07/31/20 FL

1,2,4-Trichlorobenzene 08/01/16 07/31/20 FL

1,2,4-Trimethylbenzene 08/01/16 07/31/20 FL

1,2-Dibromo-3-chloropropane (DBCP) 08/01/16 07/31/20 FL

1,2-Dibromoethane (EDB, Ethylene dibromide) 08/01/16 07/31/20 FL

1,2-Dichlorobenzene (o-Dichlorobenzene) 08/01/16 07/31/20 FL

1,2-Dichloroethane (Ethylene dichloride) 08/01/16 07/31/20 FL

1,2-Dichloropropane 08/01/16 07/31/20 FL

1,3,5-Trimethylbenzene 08/01/16 07/31/20 FL

1,3-Dichlorobenzene 08/01/16 07/31/20 FL

1,3-Dichloropropane 08/01/16 07/31/20 FL

1,4-Dichlorobenzene 08/01/16 07/31/20 FL

2,2-Dichloropropane 08/01/16 07/31/20 FL



Energy Laboratories Inc.

Start Date Expires AB

**Program/Matrix: RCRA (Solid & Hazardous Material)**

Program/Matrix: RCRA (Solid & Hazardous Material)	Start Date	Expires	AB
2-Butanone (Methyl ethyl ketone, MEK)	08/01/16	07/31/20	FL
2-Chloroethyl vinyl ether	08/01/16	07/31/20	FL
2-Chlorotoluene	08/01/16	07/31/20	FL
2-Hexanone	08/01/16	07/31/20	FL
4-Chlorotoluene	08/01/16	07/31/20	FL
4-Methyl-2-pentanone (MIBK)	08/01/16	07/31/20	FL
Acetone	08/01/16	07/31/20	FL
Acetonitrile	08/01/16	07/31/20	FL
Acrolein (Propenal)	08/01/16	07/31/20	FL
Acrylonitrile	08/01/16	07/31/20	FL
Allyl chloride (3-Chloropropene)	08/01/16	07/31/20	FL
Benzene	08/01/16	07/31/20	FL
Bromobenzene	08/01/16	07/31/20	FL
Bromochloromethane	08/01/16	07/31/20	FL
Bromodichloromethane	08/01/16	07/31/20	FL
Bromoform	08/01/16	07/31/20	FL
Carbon disulfide	08/01/16	07/31/20	FL
Carbon tetrachloride	08/01/16	07/31/20	FL
Chlorobenzene	08/01/16	07/31/20	FL
Chlorodibromomethane	08/01/16	07/31/20	FL
Chloroethane (Ethyl chloride)	08/01/16	07/31/20	FL
Chloroform	08/01/16	07/31/20	FL
Chloroprene (2-Chloro-1,3-butadiene)	08/01/16	07/31/20	FL
cis-1,2-Dichloroethylene	08/01/16	07/31/20	FL
cis-1,3-Dichloropropene	08/01/16	07/31/20	FL
Dibromomethane (Methylene bromide)	08/01/16	07/31/20	FL
Dichlorodifluoromethane (Freon-12)	08/01/16	07/31/20	FL
Diethyl ether	08/01/16	07/31/20	FL
Ethylbenzene	08/01/16	07/31/20	FL
Hexachlorobutadiene	08/01/16	07/31/20	FL
Iodomethane (Methyl iodide)	08/01/16	07/31/20	FL
Isobutyl alcohol (2-Methyl-1-propanol)	08/01/16	07/31/20	FL
Isopropylbenzene	08/01/16	07/31/20	FL
Methyl bromide (Bromomethane)	08/01/16	07/31/20	FL
Methyl chloride (Chloromethane)	08/01/16	07/31/20	FL
Methyl tert-butyl ether (MTBE)	08/01/16	07/31/20	FL
Methylene chloride (Dichloromethane)	08/01/16	07/31/20	FL
Naphthalene	08/01/16	07/31/20	FL
n-Butylbenzene	08/01/16	07/31/20	FL
n-Propylbenzene	08/01/16	07/31/20	FL
Propionitrile (Ethyl cyanide)	08/01/16	07/31/20	FL
sec-Butylbenzene	08/01/16	07/31/20	FL
Styrene	08/01/16	07/31/20	FL
tert-Butylbenzene	08/01/16	07/31/20	FL
Tetrachloroethylene (Perchloroethylene)	08/01/16	07/31/20	FL
Toluene	08/01/16	07/31/20	FL
trans-1,2-Dichloroethylene	08/01/16	07/31/20	FL
trans-1,3-Dichloropropylene	08/01/16	07/31/20	FL
trans-1,4-Dichloro-2-butene	08/01/16	07/31/20	FL

Energy Laboratories Inc.

Start Date	Expires	AB
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**Program/Matrix: RCRA (Solid & Hazardous Material)**

Trichloroethene (Trichloroethylene)	08/01/16	07/31/20	FL
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	08/01/16	07/31/20	FL
Vinyl acetate	08/01/16	07/31/20	FL
Vinyl chloride (chloroethene)	08/01/16	07/31/20	FL
Xylene (total)	08/01/16	07/31/20	FL

Energy Laboratories Inc.

Start Date	Expires	AB
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**Program/Matrix: SDWA (Potable Water)****Method EPA 200.8**

Copper	08/01/16	07/31/20	FL
Lead	08/01/16	07/31/20	FL
Uranium	08/01/16	07/31/20	FL

**Method EPA 900.0**

Gross-alpha	08/01/16	07/31/20	FL
Gross-beta	08/01/16	07/31/20	FL

**Method EPA 903**

Radium-226	08/01/16	07/31/20	FL
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**Method EPA Ra-05**

Radium-228	08/01/16	07/31/20	FL
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**Method SM 7500-U C-1988**

Uranium	08/01/16	07/31/20	FL
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The Utah Environmental Laboratory Certification Program (ELCP) encourages clients and data users to verify the most current certification letter for the authorized method.

The analytes by method which a laboratory is authorized to perform at any given time will be those indicated in the most recent certificate letter. The most recent certification letter supersedes all previous certification or authorization letters. It is the certified laboratory's responsibility to review this letter for discrepancies. The certified laboratory must document any discrepancies in this letter and send notice to this bureau within 15 days of receipt. This certificate letter will be recalled in the event your laboratory's certification is revoked.



State of Utah  
 Gary R. Herbert  
*Governor*  
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**Utah Department of Health**

Dr. Joseph K. Miner  
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**Division of Disease Control and Prevention**

Robyn M. Atkinson, Ph.D, HCLD  
*Director, Utah Public Health Laboratory*



Energy Laboratories Inc.

**The following parameters have not been approved by the ELCP for certification.**

**Method EPA 3010A**

Program/Matrix: RCRA / Non Potable Water  
 Analyte: Acid Digestion of Aqueous samples and Extracts for Total Metals  
 Justification: Parameter not on Primary state accreditation letter.

**Method EPA 3050B**

Program/Matrix: RCRA / Solid & Hazardous Material  
 Analyte: Acid Digestion of Solids  
 Justification: Parameter not on Primary state accreditation letter.

**Method EPA 3510C**

Program/Matrix: RCRA / Non Potable Water  
 Analyte: Separatory Funnel Liquid-Liquid Extraction  
 Justification: Parameter not on Primary state accreditation letter.

**Method EPA 3550A**

Program/Matrix: RCRA / Solid & Hazardous Material  
 Analyte: Ultrasonic Extraction  
 Justification: Parameter not on Primary state accreditation letter.

**Method EPA 5030**

Program/Matrix: RCRA / Non Potable Water  
 Analyte: Aqueous-phase Purge & Trap  
 Justification: Parameter not on Primary state accreditation letter.

**Method EPA 5035**

Program/Matrix: RCRA / Solid & Hazardous Material  
 Analyte: Solid-Phase Purge & Trap  
 Justification: Parameter not on Primary state accreditation letter.

