

State of Utah

Department of Health

Environmental Laboratory Certification Program

Certification is hereby granted to

Pace Analytical Services, LLC - Sheridan, WY

1673 Terra Avenue
Sheridan, WY 82801

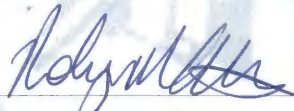
*Has conformed with the
2009 TNI Standard*

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

EPA Number: WY00005

Expiration Date: 02/28/2021

Certificate Number: WY000052020-9



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: WY00005

Attachment to Certificate Number: WY000052020-9

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Pace Analytical Services, LLC - Sheridan, WY

Start Date Expires AB

Program/Matrix: CWA (Non Potable Water)

Method EPA 1664A

Hexane Extractable Material (HEM) 02/01/15 02/28/21 TX

Method EPA 1664A (SGT-HEM)

Hexane Extractable Material - Silica Gel Treated (HEM-SGT) 02/01/15 02/28/21 TX

Method EPA 200.2

Acid Digestion of Aqueous samples and Extracts for Total Metals 03/01/18 02/28/21 TX

Method EPA 200.7

| | | | |
|-------------------|----------|----------|----|
| Aluminum | 02/01/15 | 02/28/21 | TX |
| Antimony | 02/01/15 | 02/28/21 | TX |
| Arsenic | 02/01/15 | 02/28/21 | TX |
| Barium | 02/01/15 | 02/28/21 | TX |
| Beryllium | 02/01/15 | 02/28/21 | TX |
| Boron | 02/01/15 | 02/28/21 | TX |
| Cadmium | 02/01/15 | 02/28/21 | TX |
| Calcium | 02/01/15 | 02/28/21 | TX |
| Chromium | 02/01/15 | 02/28/21 | TX |
| Cobalt | 02/01/15 | 02/28/21 | TX |
| Copper | 02/01/15 | 02/28/21 | TX |
| Iron | 02/01/15 | 02/28/21 | TX |
| Lead | 02/01/15 | 02/28/21 | TX |
| Lithium | 02/01/15 | 02/28/21 | TX |
| Magnesium | 02/01/15 | 02/28/21 | TX |
| Manganese | 02/01/15 | 02/28/21 | TX |
| Molybdenum | 02/01/15 | 02/28/21 | TX |
| Nickel | 02/01/15 | 02/28/21 | TX |
| Phosphorus, total | 02/01/15 | 02/28/21 | TX |
| Potassium | 02/01/15 | 02/28/21 | TX |
| Selenium | 02/01/15 | 02/28/21 | TX |
| Silica as SiO2 | 03/01/18 | 02/28/21 | TX |
| Silver | 02/01/15 | 02/28/21 | TX |
| Sodium | 02/01/15 | 02/28/21 | TX |
| Strontium | 02/01/15 | 02/28/21 | TX |
| Thallium | 02/01/15 | 02/28/21 | TX |
| Tin | 02/01/15 | 02/28/21 | TX |
| Titanium | 02/01/15 | 02/28/21 | TX |
| Vanadium | 02/01/15 | 02/28/21 | TX |



Pace Analytical Services, LLC - Sheridan, WY

Start Date Expires AB

Program/Matrix: CWA (Non Potable Water)

| | Start Date | Expires | AB |
|---|------------|----------|----|
| Zinc | 02/01/15 | 02/28/21 | TX |
| Method EPA 200.8 | | | |
| Aluminum | 02/01/15 | 02/28/21 | TX |
| Antimony | 02/01/15 | 02/28/21 | TX |
| Arsenic | 02/01/15 | 02/28/21 | TX |
| Barium | 02/01/15 | 02/28/21 | TX |
| Beryllium | 02/01/15 | 02/28/21 | TX |
| Cadmium | 02/01/15 | 02/28/21 | TX |
| Chromium | 02/01/15 | 02/28/21 | TX |
| Cobalt | 02/01/15 | 02/28/21 | TX |
| Copper | 02/01/15 | 02/28/21 | TX |
| Lead | 02/01/15 | 02/28/21 | TX |
| Manganese | 02/01/15 | 02/28/21 | TX |
| Molybdenum | 02/01/15 | 02/28/21 | TX |
| Nickel | 02/01/15 | 02/28/21 | TX |
| Selenium | 02/01/15 | 02/28/21 | TX |
| Silver | 02/01/15 | 02/28/21 | TX |
| Strontium | 02/01/15 | 02/28/21 | TX |
| Thallium | 02/01/15 | 02/28/21 | TX |
| Tin | 02/01/15 | 02/28/21 | TX |
| Titanium | 02/01/15 | 02/28/21 | TX |
| Uranium | 02/01/15 | 02/28/21 | TX |
| Vanadium | 02/01/15 | 02/28/21 | TX |
| Zinc | 02/01/15 | 02/28/21 | TX |
| Method EPA 245.1 | | | |
| Mercury | 02/01/15 | 02/28/21 | TX |
| Method EPA 300.0 | | | |
| Bromide | 02/01/15 | 02/28/21 | TX |
| Chloride | 02/01/15 | 02/28/21 | TX |
| Fluoride | 02/01/15 | 02/28/21 | TX |
| Nitrate as N | 02/01/15 | 02/28/21 | TX |
| Nitrate-nitrite | 02/01/15 | 02/28/21 | TX |
| Nitrite as N | 02/01/15 | 02/28/21 | TX |
| Orthophosphate as P | 02/01/15 | 02/28/21 | TX |
| Sulfate | 02/01/15 | 02/28/21 | TX |
| Method EPA 335.4 | | | |
| Total cyanide | 02/01/15 | 02/28/21 | TX |
| Method EPA 350.1 | | | |
| Ammonia as N | 02/01/15 | 02/28/21 | TX |
| Method EPA 351.2 | | | |
| Kjeldahl Nitrogen (Total Kjeldahl Nitrogen-TKN) | 02/01/15 | 02/28/21 | TX |
| Method EPA 353.2 | | | |
| Nitrate as N | 02/01/15 | 02/28/21 | TX |
| Nitrate-nitrite | 02/01/15 | 02/28/21 | TX |
| Nitrite as N | 02/01/15 | 02/28/21 | TX |
| Method OIA 1677-09 | | | |
| Amenable cyanide | 02/01/15 | 02/28/21 | TX |

Program/Matrix: CWA (Non Potable Water)**Method SM 18/19thED 7500-Ra B**

Total radium

02/01/15 02/28/21 TX

Method SM 2320 B-1997Alkalinity as CaCO₃

02/01/15 02/28/21 TX

Method SM 2340 B-2011Total hardness as CaCO₃

02/01/15 02/28/21 TX

Method SM 2510 B-2011

Conductivity

02/01/15 02/28/21 TX

Method SM 2540 C-1997

Residue-filterable (TDS)

02/01/15 02/28/21 TX

Method SM 2540 D-1997

Residue-nonfilterable (TSS)

02/01/15 02/28/21 TX

Method SM 4500-F⁻ C-2011

Fluoride

02/01/15 02/28/21 TX

Method SM 4500-H⁺ B-2011

pH

02/01/15 02/28/21 TX

Method SM 7110 B (GPC)

Gross-alpha

02/01/15 02/28/21 TX

Gross-beta

02/01/15 02/28/21 TX

Program/Matrix: RCRA (Non Potable Water)**Method EPA 3020A**

| Method | Start Date | Expires | AB |
|---|------------|----------|----|
| Acid Digestion of Aqueous samples and Extracts for Total Metals | 03/01/18 | 02/28/21 | TX |

Method EPA 6010C

| | | | |
|----------------------------|----------|----------|----|
| Aluminum | 02/01/15 | 02/28/21 | TX |
| Antimony | 02/01/15 | 02/28/21 | TX |
| Arsenic | 02/01/15 | 02/28/21 | TX |
| Barium | 02/01/15 | 02/28/21 | TX |
| Beryllium | 02/01/15 | 02/28/21 | TX |
| Boron | 02/01/15 | 02/28/21 | TX |
| Cadmium | 02/01/15 | 02/28/21 | TX |
| Chromium | 02/01/15 | 02/28/21 | TX |
| Cobalt | 02/01/15 | 02/28/21 | TX |
| Copper | 02/01/15 | 02/28/21 | TX |
| Iron | 02/01/15 | 02/28/21 | TX |
| Lead | 02/01/15 | 02/28/21 | TX |
| Lithium | 02/01/15 | 02/28/21 | TX |
| Manganese | 02/01/15 | 02/28/21 | TX |
| Molybdenum | 02/01/15 | 02/28/21 | TX |
| Nickel | 02/01/15 | 02/28/21 | TX |
| Selenium | 02/01/15 | 02/28/21 | TX |
| Silica as SiO ₂ | 03/01/18 | 02/28/21 | TX |
| Silver | 02/01/15 | 02/28/21 | TX |
| Strontium | 02/01/15 | 02/28/21 | TX |
| Thallium | 02/01/15 | 02/28/21 | TX |
| Tin | 02/01/15 | 02/28/21 | TX |
| Titanium | 02/01/15 | 02/28/21 | TX |
| Vanadium | 02/01/15 | 02/28/21 | TX |
| Zinc | 02/01/15 | 02/28/21 | TX |

Method EPA 6020

| | | | |
|------------|----------|----------|----|
| Aluminum | 02/01/15 | 02/28/21 | TX |
| Antimony | 02/01/15 | 02/28/21 | TX |
| Arsenic | 02/01/15 | 02/28/21 | TX |
| Barium | 02/01/15 | 02/28/21 | TX |
| Beryllium | 02/01/15 | 02/28/21 | TX |
| Cadmium | 02/01/15 | 02/28/21 | TX |
| Chromium | 02/01/15 | 02/28/21 | TX |
| Cobalt | 02/01/15 | 02/28/21 | TX |
| Lead | 02/01/15 | 02/28/21 | TX |
| Manganese | 02/01/15 | 02/28/21 | TX |
| Molybdenum | 02/01/15 | 02/28/21 | TX |
| Nickel | 02/01/15 | 02/28/21 | TX |
| Selenium | 02/01/15 | 02/28/21 | TX |
| Silver | 02/01/15 | 02/28/21 | TX |
| Strontium | 02/01/15 | 02/28/21 | TX |
| Thallium | 02/01/15 | 02/28/21 | TX |
| Tin | 02/01/15 | 02/28/21 | TX |
| Titanium | 02/01/15 | 02/28/21 | TX |
| Vanadium | 02/01/15 | 02/28/21 | TX |

Pace Analytical Services, LLC - Sheridan, WY

Start Date Expires AB

Program/Matrix: RCRA (Non Potable Water)

Zinc 02/01/15 02/28/21 TX

Method EPA 6020A

Copper 02/01/15 02/28/21 TX

Program/Matrix: RCRA (Solid & Hazardous Material)**Method EPA 1311**

| Method | Start Date | Expires | AB |
|---|------------|----------|----|
| Toxicity Characteristic Leaching Procedure (TCLP) | 02/01/15 | 02/28/21 | TX |
| Method EPA 3050B | | | |
| Acid Digestion of Solids | 03/01/18 | 02/28/21 | TX |
| Method EPA 6010C | | | |
| Arsenic | 02/01/15 | 02/28/21 | TX |
| Barium | 02/01/15 | 02/28/21 | TX |
| Cadmium | 02/01/15 | 02/28/21 | TX |
| Chromium | 02/01/15 | 02/28/21 | TX |
| Lead | 02/01/15 | 02/28/21 | TX |
| Selenium | 02/01/15 | 02/28/21 | TX |
| Silver | 02/01/15 | 02/28/21 | TX |
| Method EPA 7470 | | | |
| Mercury | 02/01/15 | 02/28/21 | TX |

Method EPA 3050B**Method EPA 6010C****Method EPA 7470**

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.