

State of Utah
Department of Health
Environmental Laboratory Certification Program
Certification is hereby granted to
ALS Environmental -Salt Lake City

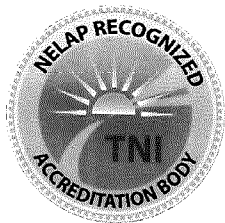
960 West Levoy Drive
Salt Lake City, UT 84123

*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: UT00953
Expiration Date: 11/30/2019
Certificate Number: UT009532018-11



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: **UT00953**

Attachment to Certificate Number: **UT009532018-11**

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ALS Environmental -Salt Lake City

Start Date Expires AB

Program/Matrix: Air & Emissions (Air & Emissions)

Method EPA TO-15

1,1,1-Trichloro-2,2,2-trifluoroethane (Freon 113a)	12/01/11	11/30/19	UT
1,1,1-Trichloroethane	12/01/11	11/30/19	UT
1,1,2,2-Tetrachloroethane	12/01/11	11/30/19	UT
1,1,2-Trichloroethane	12/01/11	11/30/19	UT
1,1-Dichloroethane	12/01/11	11/30/19	UT
1,1-Dichloroethylene	12/01/11	11/30/19	UT
1,2,4-Trimethylbenzene	12/01/11	11/30/19	UT
1,2-Dibromoethane (EDB, Ethylene dibromide)	12/01/11	11/30/19	UT
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)	12/01/11	11/30/19	UT
1,2-Dichlorobenzene (o-Dichlorobenzene)	12/01/11	11/30/19	UT
1,2-Dichloroethane (Ethylene dichloride)	12/01/11	11/30/19	UT
1,2-Dichloropropane	12/01/11	11/30/19	UT
1,3,5-Trimethylbenzene	12/01/11	11/30/19	UT
1,3-Dichlorobenzene	12/01/11	11/30/19	UT
1,4-Dichlorobenzene	12/01/11	11/30/19	UT
2-Butanone (Methyl ethyl ketone, MEK)	12/01/11	11/30/19	UT
2-Hexanone	12/01/11	11/30/19	UT
4-Ethyltoluene	12/01/11	11/30/19	UT
4-Methyl-2-pentanone (MIBK)	12/01/11	11/30/19	UT
Acetone	12/01/11	11/30/19	UT
Benzene	12/01/11	11/30/19	UT
Benzyl chloride	12/01/11	11/30/19	UT
Bromodichloromethane	12/01/11	11/30/19	UT
Bromoform	12/01/11	11/30/19	UT
Carbon disulfide	12/01/11	11/30/19	UT
Carbon tetrachloride	12/01/11	11/30/19	UT
Chlorobenzene	12/01/11	11/30/19	UT
Chlorodibromomethane	12/01/11	11/30/19	UT
Chloroethane (Ethyl chloride)	12/01/11	11/30/19	UT
Chloroform	12/01/11	11/30/19	UT
cis-1,2-Dichloroethylene	12/01/11	11/30/19	UT
cis-1,3-Dichloropropene	12/01/11	11/30/19	UT
Cyclohexane	12/01/11	11/30/19	UT
Dichlorodifluoromethane (Freon-12)	12/01/11	11/30/19	UT
Ethyl acetate	12/01/11	11/30/19	UT

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Start Date Expires AB

Program/Matrix: *Air & Emissions (Air & Emissions)*

Ethylbenzene	12/01/11	11/30/19	UT
Methyl bromide (Bromomethane)	12/01/11	11/30/19	UT
Methyl chloride (Chloromethane)	12/01/11	11/30/19	UT
Methyl tert-butyl ether (MTBE)	12/01/11	11/30/19	UT
Methylene chloride (Dichloromethane)	12/01/11	11/30/19	UT
m-Xylene	12/01/11	11/30/19	UT
n-Heptane	12/01/11	11/30/19	UT
n-Hexane	12/01/11	11/30/19	UT
o-Xylene	12/01/11	11/30/19	UT
p-Xylene	12/01/11	11/30/19	UT
Styrene	12/01/11	11/30/19	UT
Tetrachloroethylene (Perchloroethylene)	12/01/11	11/30/19	UT
Tetrahydrofuran (THF)	12/01/11	11/30/19	UT
Toluene	12/01/11	11/30/19	UT
trans-1,2-Dichloroethylene	12/01/11	11/30/19	UT
trans-1,3-Dichloropropylene	12/01/11	11/30/19	UT
Trichloroethene (Trichloroethylene)	12/01/11	11/30/19	UT
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	12/01/11	11/30/19	UT
Vinyl acetate	12/01/11	11/30/19	UT
Vinyl chloride (chloroethene)	12/01/11	11/30/19	UT

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Start Date Expires AB

Program/Matrix: CWA (Non Potable Water)**Method EPA 120.1**

Conductivity 12/01/11 11/30/19 UT

Method EPA 150.1

pH 12/01/11 11/30/19 UT

Method EPA 160.1

Residue-filterable (TDS) 12/01/11 11/30/19 UT

Method EPA 160.2

Residue-nonfilterable (TSS) 12/01/11 11/30/19 UT

Method EPA 200.7

Aluminum 12/01/11 11/30/19 UT

Antimony 12/01/11 11/30/19 UT

Arsenic 12/01/11 11/30/19 UT

Barium 12/01/11 11/30/19 UT

Cadmium 12/01/11 11/30/19 UT

Calcium 12/01/11 11/30/19 UT

Chromium 12/01/11 11/30/19 UT

Cobalt 12/01/11 11/30/19 UT

Copper 12/01/11 11/30/19 UT

Iron 12/01/11 11/30/19 UT

Lead 12/01/11 11/30/19 UT

Magnesium 12/01/11 11/30/19 UT

Manganese 12/01/11 11/30/19 UT

Molybdenum 12/01/11 11/30/19 UT

Nickel 12/01/11 11/30/19 UT

Potassium 12/01/11 11/30/19 UT

Selenium 12/01/11 11/30/19 UT

Silver 12/01/11 11/30/19 UT

Sodium 12/01/11 11/30/19 UT

Strontium 12/01/11 11/30/19 UT

Thallium 12/01/11 11/30/19 UT

Tin 12/01/11 11/30/19 UT

Titanium 12/01/11 11/30/19 UT

Vanadium 12/01/11 11/30/19 UT

Zinc 12/01/11 11/30/19 UT

Method EPA 200.8

Aluminum 12/01/11 11/30/19 UT

Antimony 12/01/11 11/30/19 UT

Arsenic 12/01/11 11/30/19 UT

Barium 12/01/11 11/30/19 UT

Beryllium 12/01/11 11/30/19 UT

Cadmium 12/01/11 11/30/19 UT

Chromium 12/01/11 11/30/19 UT

Cobalt 12/01/11 11/30/19 UT

Copper 12/01/11 11/30/19 UT

Iron 12/01/11 11/30/19 UT

Lead 12/01/11 11/30/19 UT

ALS Environmental -Salt Lake City

Start Date Expires AB

Program/Matrix: CWA (Non Potable Water)

	Start Date	Expires	AB
Manganese	12/01/11	11/30/19	UT
Molybdenum	12/01/11	11/30/19	UT
Nickel	12/01/11	11/30/19	UT
Selenium	12/01/11	11/30/19	UT
Silver	12/01/11	11/30/19	UT
Thallium	12/01/11	11/30/19	UT
Vanadium	12/01/11	11/30/19	UT
Zinc	12/01/11	11/30/19	UT
Method EPA 245.1			
Mercury	12/01/11	11/30/19	UT
Method EPA 300.0			
Bromide	12/01/11	11/30/19	UT
Chloride	12/01/11	11/30/19	UT
Fluoride	12/01/11	11/30/19	UT
Nitrate as N	12/01/11	11/30/19	UT
Nitrite as N	12/01/11	11/30/19	UT
Orthophosphate as P	12/01/11	11/30/19	UT
Sulfate	12/01/11	11/30/19	UT
Method EPA 335.4			
Cyanide	12/01/11	11/30/19	UT
Method EPA 340.2			
Fluoride	10/23/18		UT
Method EPA 350.1			
Ammonia as N	12/01/11	11/30/19	UT
Method EPA 351.2			
Kjeldahl Nitrogen (Total Kjeldahl Nitrogen-TKN)	12/01/11	11/30/19	UT
Method EPA 365.4			
Phosphorus, total	12/01/11	11/30/19	UT
Method EPA 410.4			
Chemical oxygen demand	12/01/11	11/30/19	UT
Method EPA 415.1			
Total organic carbon	12/01/11	11/30/19	UT
Method EPA 6850			
Perchlorate	12/01/11	11/30/19	UT
Method HACH 8000			
Chemical oxygen demand	12/01/11	11/30/19	UT
Method SM 2340 B-1997			
Total hardness as CaCO3	12/01/11	11/30/19	UT
Method SM 2510 B-1997			
Conductivity	12/01/11	11/30/19	UT
Method SM 2540 C-1997			
Residue-filterable (TDS)	12/01/11	11/30/19	UT
Method SM 2540 D-1997			
Residue-nonfilterable (TSS)	12/01/11	11/30/19	UT

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Start Date Expires AB**Program/Matrix: CWA (Non Potable Water)****Method SM 4500-CN⁻ C**

Cyanide

12/01/11 11/30/19 UT

Method SM 4500-F⁻ C-2011

Fluoride

10/23/18 UT

Method SM 4500-H+ B

pH

12/01/11 11/30/19 UT

Method SM 4500-Norg B-1997

Kjeldahl Nitrogen (Total Kjeldahl Nitrogen-TKN)

12/01/11 11/30/19 UT

ALS Environmental -Salt Lake City

Start Date Expires AB

Program/Matrix: RCRA (Non Potable Water)

Method	Start Date	Expires	AB
Method EPA 3010A			
Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3510C			
Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3520C			
Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3620C			
Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3640A			
Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3660A			
Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3660B			
Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3810			
Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 5030			
Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 6010C			
Aluminum	12/01/11	11/30/19	UT
Antimony	12/01/11	11/30/19	UT
Arsenic	12/01/11	11/30/19	UT
Barium	12/01/11	11/30/19	UT
Beryllium	12/01/11	11/30/19	UT
Cadmium	12/01/11	11/30/19	UT
Calcium	12/01/11	11/30/19	UT
Chromium	12/01/11	11/30/19	UT
Cobalt	12/01/11	11/30/19	UT
Copper	12/01/11	11/30/19	UT
Iron	12/01/11	11/30/19	UT
Lead	12/01/11	11/30/19	UT
Magnesium	12/01/11	11/30/19	UT
Manganese	12/01/11	11/30/19	UT
Molybdenum	12/01/11	11/30/19	UT
Nickel	12/01/11	11/30/19	UT
Potassium	12/01/11	11/30/19	UT
Selenium	12/01/11	11/30/19	UT
Silver	12/01/11	11/30/19	UT
Sodium	12/01/11	11/30/19	UT
Strontium	12/01/11	11/30/19	UT
Thallium	12/01/11	11/30/19	UT
Tin	12/01/11	11/30/19	UT
Titanium	12/01/11	11/30/19	UT
Vanadium	12/01/11	11/30/19	UT
Zinc	12/01/11	11/30/19	UT

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Program/Matrix: RCRA (Non Potable Water)**Method EPA 6020A**

Aluminum	12/01/11	11/30/19	UT
Antimony	12/01/11	11/30/19	UT
Arsenic	12/01/11	11/30/19	UT
Barium	12/01/11	11/30/19	UT
Beryllium	12/01/11	11/30/19	UT
Cadmium	12/01/11	11/30/19	UT
Chromium	12/01/11	11/30/19	UT
Cobalt	12/01/11	11/30/19	UT
Copper	12/01/11	11/30/19	UT
Lead	12/01/11	11/30/19	UT
Manganese	12/01/11	11/30/19	UT
Molybdenum	12/01/11	11/30/19	UT
Nickel	12/01/11	11/30/19	UT
Selenium	12/01/11	11/30/19	UT
Silver	12/01/11	11/30/19	UT
Thallium	12/01/11	11/30/19	UT
Vanadium	12/01/11	11/30/19	UT
Zinc	12/01/11	11/30/19	UT

Method EPA 6850

Perchlorate	12/01/11	11/30/19	UT
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Method EPA 7196A

Chromium VI	12/01/11	11/30/19	UT
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Method EPA 7470A

Mercury	12/01/11	11/30/19	UT
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Method EPA 7580

Elemental phosphorus (White phosphorus)	12/01/11	11/30/19	UT
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Method EPA 8015B

Diesel range organics (DRO)	10/23/18	11/30/19	UT
Jet Fuel	10/23/18	11/30/19	UT
Total Petroleum Hydrocarbons (TPH)	10/23/18	11/30/19	UT

Method EPA 8081A

4,4'-DDD	12/01/11	11/30/19	UT
4,4'-DDE	12/01/11	11/30/19	UT
4,4'-DDT	12/01/11	11/30/19	UT
Aldrin	12/01/11	11/30/19	UT
alpha-BHC (alpha-Hexachlorocyclohexane)	12/01/11	11/30/19	UT
alpha-Chlordane, cis-Chlordane	12/01/11	11/30/19	UT
beta-BHC (beta-Hexachlorocyclohexane)	12/01/11	11/30/19	UT
Chlordane (tech.)(N.O.S.)	12/01/11	11/30/19	UT
delta-BHC	12/01/11	11/30/19	UT
Dieldrin	12/01/11	11/30/19	UT
Endosulfan I	12/01/11	11/30/19	UT
Endosulfan II	12/01/11	11/30/19	UT
Endosulfan sulfate	12/01/11	11/30/19	UT
Endrin	12/01/11	11/30/19	UT

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Program/Matrix: RCRA (Non Potable Water)

Endrin aldehyde	12/01/11	11/30/19	UT
Endrin ketone	12/01/11	11/30/19	UT
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	12/01/11	11/30/19	UT
gamma-Chlordane	12/01/11	11/30/19	UT
Heptachlor	12/01/11	11/30/19	UT
Heptachlor epoxide	12/01/11	11/30/19	UT
Methoxychlor	12/01/11	11/30/19	UT
Toxaphene (Chlorinated camphene)	12/01/11	11/30/19	UT

Method EPA 8082

Aroclor-1016 (PCB-1016)	12/01/11	11/30/19	UT
Aroclor-1221 (PCB-1221)	12/01/11	11/30/19	UT
Aroclor-1232 (PCB-1232)	12/01/11	11/30/19	UT
Aroclor-1242 (PCB-1242)	12/01/11	11/30/19	UT
Aroclor-1248 (PCB-1248)	12/01/11	11/30/19	UT
Aroclor-1254 (PCB-1254)	12/01/11	11/30/19	UT
Aroclor-1260 (PCB-1260)	12/01/11	11/30/19	UT
Aroclor-1268 (PCB-1268)	12/01/11	11/30/19	UT
PCBs	12/01/11	11/30/19	UT

Method EPA 8260B

2-Butanone (Methyl ethyl ketone, MEK)	12/01/11	11/30/19	UT
2-Hexanone	12/01/11	11/30/19	UT
2-Pentanone	12/01/11	11/30/19	UT
Benzene	12/01/11	11/30/19	UT
Ethylbenzene	12/01/11	11/30/19	UT
Gasoline range organics (GRO)	12/01/11	11/30/19	UT
Methyl tert-butyl ether (MTBE)	12/01/11	11/30/19	UT
m-Xylene	12/01/11	11/30/19	UT
o-Xylene	12/01/11	11/30/19	UT
p-Xylene	12/01/11	11/30/19	UT
Toluene	12/01/11	11/30/19	UT
Xylene (total)	12/01/11	11/30/19	UT

Method EPA 8260C

1,1,1,2-Tetrachloroethane	12/01/11	11/30/19	UT
1,1,1-Trichloroethane	12/01/11	11/30/19	UT
1,1,2,2-Tetrachloroethane	12/01/11	11/30/19	UT
1,1,2-Trichloroethane	12/01/11	11/30/19	UT
1,1-Dichloroethane	12/01/11	11/30/19	UT
1,1-Dichloroethylene	12/01/11	11/30/19	UT
1,2,3-Trichloropropane	12/01/11	11/30/19	UT
1,2,4-Trichlorobenzene	12/01/11	11/30/19	UT
1,2-Dibromo-3-chloropropane (DBCP)	12/01/11	11/30/19	UT
1,2-Dibromoethane (EDB, Ethylene dibromide)	12/01/11	11/30/19	UT
1,2-Dichlorobenzene (o-Dichlorobenzene)	12/01/11	11/30/19	UT
1,2-Dichloroethane (Ethylene dichloride)	12/01/11	11/30/19	UT
1,2-Dichloropropane	12/01/11	11/30/19	UT
1,3-Dichlorobenzene	12/01/11	11/30/19	UT
1,4-Dichlorobenzene	12/01/11	11/30/19	UT

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Start Date Expires AB

Program/Matrix: RCRA (Non Potable Water)

	Start Date	Expires	AB
2-Butanone (Methyl ethyl ketone, MEK)	12/01/11	11/30/19	UT
2-Hexanone	12/01/11	11/30/19	UT
4-Methyl-2-pentanone (MIBK)	12/01/11	11/30/19	UT
Acetone	12/01/11	11/30/19	UT
Benzene	12/01/11	11/30/19	UT
Bromochloromethane	12/01/11	11/30/19	UT
Bromodichloromethane	12/01/11	11/30/19	UT
Bromoform	12/01/11	11/30/19	UT
Carbon disulfide	12/01/11	11/30/19	UT
Carbon tetrachloride	12/01/11	11/30/19	UT
Chlorobenzene	12/01/11	11/30/19	UT
Chloroethane (Ethyl chloride)	12/01/11	11/30/19	UT
Chloroform	12/01/11	11/30/19	UT
cis-1,3-Dichloropropene	12/01/11	11/30/19	UT
Dibromomethane (Methylene bromide)	12/01/11	11/30/19	UT
Dichlorodifluoromethane (Freon-12)	12/01/11	11/30/19	UT
Diethyl ether	12/01/11	11/30/19	UT
Ethyl acetate	12/01/11	11/30/19	UT
Ethyl methacrylate	12/01/11	11/30/19	UT
Ethylbenzene	12/01/11	11/30/19	UT
Hexachlorobutadiene	12/01/11	11/30/19	UT
Isopropylbenzene	12/01/11	11/30/19	UT
Methyl bromide (Bromomethane)	12/01/11	11/30/19	UT
Methyl chloride (Chloromethane)	12/01/11	11/30/19	UT
Methyl tert-butyl ether (MTBE)	12/01/11	11/30/19	UT
Methylene chloride (Dichloromethane)	12/01/11	11/30/19	UT
m-Xylene	12/01/11	11/30/19	UT
Naphthalene	12/01/11	11/30/19	UT
o-Xylene	12/01/11	11/30/19	UT
p-Xylene	12/01/11	11/30/19	UT
Styrene	12/01/11	11/30/19	UT
Tetrachloroethylene (Perchloroethylene)	12/01/11	11/30/19	UT
Toluene	12/01/11	11/30/19	UT
trans-1,2-Dichloroethylene	12/01/11	11/30/19	UT
trans-1,3-Dichloropropylene	12/01/11	11/30/19	UT
Trichloroethene (Trichloroethylene)	12/01/11	11/30/19	UT
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	12/01/11	11/30/19	UT
Vinyl chloride (chloroethene)	12/01/11	11/30/19	UT

Method EPA 8270D

1,2,4-Trichlorobenzene	12/01/11	11/30/19	UT
1,2-Dichlorobenzene (o-Dichlorobenzene)	12/01/11	11/30/19	UT
1,3-Dichlorobenzene	12/01/11	11/30/19	UT
1,4-Dichlorobenzene	12/01/11	11/30/19	UT
2,4,5-Trimethylaniline	12/01/11	11/30/19	UT
2,4,6-Trichlorophenol	12/01/11	11/30/19	UT
2,4-Dichlorophenol	12/01/11	11/30/19	UT
2,4-Dimethylphenol	12/01/11	11/30/19	UT

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Start Date Expires AB

Program/Matrix: RCRA (Non Potable Water)

	Start Date	Expires	AB
2,4-Dinitrophenol	12/01/11	11/30/19	UT
2,4-Dinitrotoluene (2,4-DNT)	12/01/11	11/30/19	UT
2,6-Dinitrotoluene (2,6-DNT)	12/01/11	11/30/19	UT
2-Chloronaphthalene	12/01/11	11/30/19	UT
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	12/01/11	11/30/19	UT
2-Methylphenol (o-Cresol)	12/01/11	11/30/19	UT
2-Nitroaniline	12/01/11	11/30/19	UT
2-Nitrophenol	12/01/11	11/30/19	UT
3,3'-Dichlorobenzidine	12/01/11	11/30/19	UT
3-Methylphenol (m-Cresol)	12/01/11	11/30/19	UT
3-Nitroaniline	12/01/11	11/30/19	UT
4-Chloro-3-methylphenol	12/01/11	11/30/19	UT
4-Methylphenol (p-Cresol)	12/01/11	11/30/19	UT
4-Nitroaniline	12/01/11	11/30/19	UT
4-Nitrophenol	12/01/11	11/30/19	UT
Acenaphthene	12/01/11	11/30/19	UT
Acenaphthylene	12/01/11	11/30/19	UT
Anthracene	12/01/11	11/30/19	UT
Benzo(a)anthracene	12/01/11	11/30/19	UT
Benzo(a)pyrene	12/01/11	11/30/19	UT
Benzo(b)fluoranthene	12/01/11	11/30/19	UT
Benzo(g,h,i)perylene	12/01/11	11/30/19	UT
Benzo(k)fluoranthene	12/01/11	11/30/19	UT
Benzoic acid	12/01/11	11/30/19	UT
bis(2-Chloroethoxy)methane	12/01/11	11/30/19	UT
Butyl benzyl phthalate	12/01/11	11/30/19	UT
Chrysene	12/01/11	11/30/19	UT
Dibenz(a,h) anthracene	12/01/11	11/30/19	UT
Dibenzofuran	12/01/11	11/30/19	UT
Diethyl phthalate	12/01/11	11/30/19	UT
Dimethyl phthalate	12/01/11	11/30/19	UT
Di-n-butyl phthalate	12/01/11	11/30/19	UT
Di-n-octyl phthalate	12/01/11	11/30/19	UT
Fluoranthene	12/01/11	11/30/19	UT
Fluorene	12/01/11	11/30/19	UT
Hexachlorobenzene	12/01/11	11/30/19	UT
Hexachlorobutadiene	12/01/11	11/30/19	UT
Hexachlorocyclopentadiene	12/01/11	11/30/19	UT
Hexachloroethane	12/01/11	11/30/19	UT
Indeno(1,2,3-cd) pyrene	12/01/11	11/30/19	UT
Isophorone	12/01/11	11/30/19	UT
Naphthalene	12/01/11	11/30/19	UT
Nitrobenzene	12/01/11	11/30/19	UT
n-Nitrosodi-n-propylamine	12/01/11	11/30/19	UT
n-Nitrosodiphenylamine	12/01/11	11/30/19	UT
Pentachlorophenol	12/01/11	11/30/19	UT
Phenanthrene	12/01/11	11/30/19	UT
Phenol	12/01/11	11/30/19	UT

ALS Environmental -Salt Lake City

Start Date Expires AB

Program/Matrix: RCRA (Non Potable Water)

Pyrene	12/01/11	11/30/19	UT
Method EPA 9012A			
Amenable cyanide	12/01/11	11/30/19	UT
Total cyanide	12/01/11	11/30/19	UT
Method EPA 9014			
Cyanide	12/01/11	11/30/19	UT
Method EPA 9040B			
pH	12/01/11	11/30/19	UT
Method EPA 9050			
Conductivity	12/01/11	11/30/19	UT
Method EPA 9056A			
Bromide	12/01/11	11/30/19	UT
Chloride	12/01/11	11/30/19	UT
Fluoride	12/01/11	11/30/19	UT
Nitrate as N	12/01/11	11/30/19	UT
Nitrite as N	12/01/11	11/30/19	UT
Orthophosphate as P	12/01/11	11/30/19	UT
Sulfate	12/01/11	11/30/19	UT
Method EPA 9060			
Total organic carbon	12/01/11	11/30/19	UT

ALS Environmental -Salt Lake City

Start Date Expires AB

Program/Matrix: RCRA (Solid & Hazardous Material)

Method	Start Date	Expires	AB
Method EPA 3050B Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3060A Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3540C Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3550C Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3580A Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3640A Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3660A Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3660B Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 3810 Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 5030 Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 5035 Preparation/Extraction	12/01/11	11/30/19	UT
Method EPA 6010C			
Aluminum	12/01/11	11/30/19	UT
Antimony	12/01/11	11/30/19	UT
Arsenic	12/01/11	11/30/19	UT
Barium	12/01/11	11/30/19	UT
Beryllium	12/01/11	11/30/19	UT
Cadmium	12/01/11	11/30/19	UT
Calcium	12/01/11	11/30/19	UT
Chromium	12/01/11	11/30/19	UT
Cobalt	12/01/11	11/30/19	UT
Copper	12/01/11	11/30/19	UT
Iron	12/01/11	11/30/19	UT
Lead	12/01/11	11/30/19	UT
Magnesium	12/01/11	11/30/19	UT
Manganese	12/01/11	11/30/19	UT
Molybdenum	12/01/11	11/30/19	UT
Nickel	12/01/11	11/30/19	UT
Potassium	12/01/11	11/30/19	UT
Selenium	12/01/11	11/30/19	UT
Silver	12/01/11	11/30/19	UT
Sodium	12/01/11	11/30/19	UT
Strontium	12/01/11	11/30/19	UT
Thallium	12/01/11	11/30/19	UT

ALS Environmental -Salt Lake City

Start Date Expires AB

Program/Matrix: RCRA (Solid & Hazardous Material)

	Start Date	Expires	AB
Tin	12/01/11	11/30/19	UT
Tungsten	12/01/11	11/30/19	UT
Vanadium	12/01/11	11/30/19	UT
Zinc	12/01/11	11/30/19	UT
Method EPA 6020A			
Aluminum	12/01/11	11/30/19	UT
Antimony	12/01/11	11/30/19	UT
Arsenic	12/01/11	11/30/19	UT
Barium	12/01/11	11/30/19	UT
Beryllium	12/01/11	11/30/19	UT
Cadmium	12/01/11	11/30/19	UT
Chromium	12/01/11	11/30/19	UT
Cobalt	12/01/11	11/30/19	UT
Copper	12/01/11	11/30/19	UT
Lead	12/01/11	11/30/19	UT
Manganese	12/01/11	11/30/19	UT
Selenium	12/01/11	11/30/19	UT
Silver	12/01/11	11/30/19	UT
Thallium	12/01/11	11/30/19	UT
Vanadium	12/01/11	11/30/19	UT
Zinc	12/01/11	11/30/19	UT
Method EPA 6850			
Perchlorate	12/01/11	11/30/19	UT
Method EPA 7196A			
Chromium VI	12/01/11	11/30/19	UT
Method EPA 7471B			
Mercury	12/01/11	11/30/19	UT
Method EPA 7580			
Elemental phosphorus (White phosphorus)	12/01/11	11/30/19	UT
Method EPA 8015B			
Diesel range organics (DRO)	10/23/18	11/30/19	UT
Jet Fuel	10/23/18	11/30/19	UT
Total Petroleum Hydrocarbons (TPH)	10/23/18	11/30/19	UT
Method EPA 8081A			
4,4'-DDD	12/01/11	11/30/19	UT
4,4'-DDE	12/01/11	11/30/19	UT
4,4'-DDT	12/01/11	11/30/19	UT
Aldrin	12/01/11	11/30/19	UT
alpha-BHC (alpha-Hexachlorocyclohexane)	12/01/11	11/30/19	UT
alpha-Chlordane, cis-Chlordane	12/01/11	11/30/19	UT
beta-BHC (beta-Hexachlorocyclohexane)	12/01/11	11/30/19	UT
Chlordane (tech.)(N.O.S.)	12/01/11	11/30/19	UT
delta-BHC	12/01/11	11/30/19	UT
Dieldrin	12/01/11	11/30/19	UT
Endosulfan I	12/01/11	11/30/19	UT
Endosulfan II	12/01/11	11/30/19	UT

ALS Environmental -Salt Lake City

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

Endosulfan sulfate	12/01/11	11/30/19	UT
Endrin	12/01/11	11/30/19	UT
Endrin aldehyde	12/01/11	11/30/19	UT
Endrin ketone	12/01/11	11/30/19	UT
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	12/01/11	11/30/19	UT
gamma-Chlordane	12/01/11	11/30/19	UT
Heptachlor	12/01/11	11/30/19	UT
Heptachlor epoxide	12/01/11	11/30/19	UT
Methoxychlor	12/01/11	11/30/19	UT
Toxaphene (Chlorinated camphene)	12/01/11	11/30/19	UT

Method EPA 8082

Aroclor-1016 (PCB-1016)	12/01/11	11/30/19	UT
Aroclor-1221 (PCB-1221)	12/01/11	11/30/19	UT
Aroclor-1232 (PCB-1232)	12/01/11	11/30/19	UT
Aroclor-1242 (PCB-1242)	12/01/11	11/30/19	UT
Aroclor-1248 (PCB-1248)	12/01/11	11/30/19	UT
Aroclor-1254 (PCB-1254)	12/01/11	11/30/19	UT
Aroclor-1260 (PCB-1260)	12/01/11	11/30/19	UT
Aroclor-1268 (PCB-1268)	12/01/11	11/30/19	UT
PCBs	12/01/11	11/30/19	UT

Method EPA 8151A

2,4,5-T	12/01/11	11/30/19	UT
2,4-D	12/01/11	11/30/19	UT
2,4-DB	12/01/11	11/30/19	UT
Dalapon	12/01/11	11/30/19	UT
Dicamba	12/01/11	11/30/19	UT
Dichloroprop (Dichlorprop)	12/01/11	11/30/19	UT
MCPA	12/01/11	11/30/19	UT
MCPP	12/01/11	11/30/19	UT
Pentachlorophenol	12/01/11	11/30/19	UT
Silvex (2,4,5-TP)	12/01/11	11/30/19	UT

Method EPA 8260B

2-Butanone (Methyl ethyl ketone, MEK)	12/01/11	11/30/19	UT
2-Hexanone	12/01/11	11/30/19	UT
2-Pentanone	12/01/11	11/30/19	UT
Benzene	12/01/11	11/30/19	UT
Ethylbenzene	12/01/11	11/30/19	UT
Gasoline range organics (GRO)	12/01/11	11/30/19	UT
Methyl tert-butyl ether (MTBE)	12/01/11	11/30/19	UT
m-Xylene	12/01/11	11/30/19	UT
o-Xylene	12/01/11	11/30/19	UT
p-Xylene	12/01/11	11/30/19	UT
Toluene	12/01/11	11/30/19	UT
Xylene (total)	12/01/11	11/30/19	UT

Method EPA 8260C

1,1,1,2-Tetrachloroethane	12/01/11	11/30/19	UT
1,1,1-Trichloroethane	12/01/11	11/30/19	UT

ALS Environmental -Salt Lake City

Start Date Expires AB

Program/Matrix: RCRA (Solid & Hazardous Material)

	Start Date	Expires	AB
1,1,2,2-Tetrachloroethane	12/01/11	11/30/19	UT
1,1,2-Trichloroethane	12/01/11	11/30/19	UT
1,1-Dichloroethane	12/01/11	11/30/19	UT
1,1-Dichloroethylene	12/01/11	11/30/19	UT
1,2,3-Trichloropropane	12/01/11	11/30/19	UT
1,2,4-Trichlorobenzene	12/01/11	11/30/19	UT
1,2-Dibromo-3-chloropropane (DBCP)	12/01/11	11/30/19	UT
1,2-Dibromoethane (EDB, Ethylene dibromide)	12/01/11	11/30/19	UT
1,2-Dichlorobenzene (o-Dichlorobenzene)	12/01/11	11/30/19	UT
1,2-Dichloroethane (Ethylene dichloride)	12/01/11	11/30/19	UT
1,2-Dichloropropane	12/01/11	11/30/19	UT
1,3-Dichlorobenzene	12/01/11	11/30/19	UT
1,4-Dichlorobenzene	12/01/11	11/30/19	UT
2-Butanone (Methyl ethyl ketone, MEK)	12/01/11	11/30/19	UT
2-Hexanone	12/01/11	11/30/19	UT
4-Methyl-2-pentanone (MIBK)	12/01/11	11/30/19	UT
Acetone	12/01/11	11/30/19	UT
Benzene	12/01/11	11/30/19	UT
Bromochloromethane	12/01/11	11/30/19	UT
Bromodichloromethane	12/01/11	11/30/19	UT
Bromoform	12/01/11	11/30/19	UT
Carbon disulfide	12/01/11	11/30/19	UT
Carbon tetrachloride	12/01/11	11/30/19	UT
Chlorobenzene	12/01/11	11/30/19	UT
Chloroethane (Ethyl chloride)	12/01/11	11/30/19	UT
Chloroform	12/01/11	11/30/19	UT
cis-1,3-Dichloropropene	12/01/11	11/30/19	UT
Dibromomethane (Methylene bromide)	12/01/11	11/30/19	UT
Dichlorodifluoromethane (Freon-12)	12/01/11	11/30/19	UT
Diethyl ether	12/01/11	11/30/19	UT
Ethyl acetate	12/01/11	11/30/19	UT
Ethyl methacrylate	12/01/11	11/30/19	UT
Ethylbenzene	12/01/11	11/30/19	UT
Hexachlorobutadiene	12/01/11	11/30/19	UT
Isopropylbenzene	12/01/11	11/30/19	UT
Methyl bromide (Bromomethane)	12/01/11	11/30/19	UT
Methyl chloride (Chloromethane)	12/01/11	11/30/19	UT
Methyl tert-butyl ether (MTBE)	12/01/11	11/30/19	UT
Methylene chloride (Dichloromethane)	12/01/11	11/30/19	UT
m-Xylene	12/01/11	11/30/19	UT
Naphthalene	12/01/11	11/30/19	UT
o-Xylene	12/01/11	11/30/19	UT
p-Xylene	12/01/11	11/30/19	UT
Styrene	12/01/11	11/30/19	UT
Tetrachloroethylene (Perchloroethylene)	12/01/11	11/30/19	UT
Toluene	12/01/11	11/30/19	UT
trans-1,2-Dichloroethylene	12/01/11	11/30/19	UT
trans-1,3-Dichloropropylene	12/01/11	11/30/19	UT

ALS Environmental -Salt Lake City

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

Trichloroethene (Trichloroethylene)	12/01/11	11/30/19	UT
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	12/01/11	11/30/19	UT
Vinyl chloride (chloroethene)	12/01/11	11/30/19	UT

Method EPA 8270D

1,2,4-Trichlorobenzene	12/01/11	11/30/19	UT
1,2-Dichlorobenzene (o-Dichlorobenzene)	12/01/11	11/30/19	UT
1,3-Dichlorobenzene	12/01/11	11/30/19	UT
1,4-Dichlorobenzene	12/01/11	11/30/19	UT
2,4,5-Trimethylaniline	12/01/11	11/30/19	UT
2,4,6-Trichlorophenol	12/01/11	11/30/19	UT
2,4-Dichlorophenol	12/01/11	11/30/19	UT
2,4-Dimethylphenol	12/01/11	11/30/19	UT
2,4-Dinitrophenol	12/01/11	11/30/19	UT
2,4-Dinitrotoluene (2,4-DNT)	12/01/11	11/30/19	UT
2,6-Dinitrotoluene (2,6-DNT)	12/01/11	11/30/19	UT
2-Chloronaphthalene	12/01/11	11/30/19	UT
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	12/01/11	11/30/19	UT
2-Methylphenol (o-Cresol)	12/01/11	11/30/19	UT
2-Nitroaniline	12/01/11	11/30/19	UT
2-Nitrophenol	12/01/11	11/30/19	UT
3,3'-Dichlorobenzidine	12/01/11	11/30/19	UT
3-Methylphenol (m-Cresol)	12/01/11	11/30/19	UT
3-Nitroaniline	12/01/11	11/30/19	UT
4-Chloro-3-methylphenol	12/01/11	11/30/19	UT
4-Methylphenol (p-Cresol)	12/01/11	11/30/19	UT
4-Nitroaniline	12/01/11	11/30/19	UT
4-Nitrophenol	12/01/11	11/30/19	UT
Acenaphthene	12/01/11	11/30/19	UT
Acenaphthylene	12/01/11	11/30/19	UT
Anthracene	12/01/11	11/30/19	UT
Benzo(a)anthracene	12/01/11	11/30/19	UT
Benzo(a)pyrene	12/01/11	11/30/19	UT
Benzo(b)fluoranthene	12/01/11	11/30/19	UT
Benzo(g,h,i)perylene	12/01/11	11/30/19	UT
Benzo(k)fluoranthene	12/01/11	11/30/19	UT
Benzoic acid	12/01/11	11/30/19	UT
bis(2-Chloroethoxy)methane	12/01/11	11/30/19	UT
bis(2-Chloroethyl) ether	12/01/11	11/30/19	UT
Butyl benzyl phthalate	12/01/11	11/30/19	UT
Chrysene	12/01/11	11/30/19	UT
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	12/01/11	11/30/19	UT
Dibenz(a,h) anthracene	12/01/11	11/30/19	UT
Dibenzofuran	12/01/11	11/30/19	UT
Diethyl phthalate	12/01/11	11/30/19	UT
Dimethyl phthalate	12/01/11	11/30/19	UT
Di-n-butyl phthalate	12/01/11	11/30/19	UT
Di-n-octyl phthalate	12/01/11	11/30/19	UT

ALS Environmental -Salt Lake City

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

Fluoranthene	12/01/11	11/30/19	UT
Fluorene	12/01/11	11/30/19	UT
Hexachlorobenzene	12/01/11	11/30/19	UT
Hexachlorobutadiene	12/01/11	11/30/19	UT
Hexachlorocyclopentadiene	12/01/11	11/30/19	UT
Hexachloroethane	12/01/11	11/30/19	UT
Indeno(1,2,3-cd) pyrene	12/01/11	11/30/19	UT
Isophorone	12/01/11	11/30/19	UT
Naphthalene	12/01/11	11/30/19	UT
Nitrobenzene	12/01/11	11/30/19	UT
n-Nitrosodimethylamine	12/01/11	11/30/19	UT
n-Nitrosodi-n-propylamine	12/01/11	11/30/19	UT
n-Nitrosodiphenylamine	12/01/11	11/30/19	UT
Pentachlorophenol	12/01/11	11/30/19	UT
Phenanthrene	12/01/11	11/30/19	UT
Phenol	12/01/11	11/30/19	UT
Pyrene	12/01/11	11/30/19	UT
Method EPA 9012A			
Amenable cyanide	12/01/11	11/30/19	UT
Total cyanide	12/01/11	11/30/19	UT
Method EPA 9014			
Cyanide	12/01/11	11/30/19	UT
Method EPA 9045C			
pH	12/01/11	11/30/19	UT
Method EPA 9056A			
Chloride	12/01/11	11/30/19	UT
Fluoride	12/01/11	11/30/19	UT
Nitrate as N	12/01/11	11/30/19	UT
Nitrite as N	12/01/11	11/30/19	UT
Orthophosphate as P	12/01/11	11/30/19	UT
Sulfate	12/01/11	11/30/19	UT
Method EPA 9095			
Free liquid	12/01/11	11/30/19	UT
Method Lloyd Kahn			
Total organic carbon	10/11/12	11/30/19	UT

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.