

# State of Utah

Department of Health

Environmental Laboratory Certification Program

*Certification is hereby granted to*

LSAI Labs, LLC

8444 Castlewood Dr. Suite 800

Indianapolis, IN 46250

*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: IN01811

Expiration Date: 12/31/2018

Certificate Number: IN018112018-7



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: IN01811

Attachment to Certificate Number: IN018112018-7

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LSAI Labs, LLC

Start Date Expires AB

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

Method EPA TO-15

Method	Start Date	Expires	AB
1,1,1-Trichloro-2,2,2-trifluoroethane (Freon 113a)	01/01/18	12/31/18	UT
1,1,1-Trichloroethane	01/01/18	12/31/18	UT
1,1,2,2-Tetrachloroethane	01/01/18	12/31/18	UT
1,1,2-Trichloroethane	01/01/18	12/31/18	UT
1,1-Dichloroethane	01/01/18	12/31/18	UT
1,1-Dichloroethylene	01/01/18	12/31/18	UT
1,2,3-Trimethylbenzene	01/01/18	12/31/18	UT
1,2,4-Trichlorobenzene	01/01/18	12/31/18	UT
1,2,4-Trimethylbenzene	01/01/18	12/31/18	UT
1,2-Dibromo-3-chloropropane (DBCP)	01/01/18	12/31/18	UT
1,2-Dibromoethane (EDB, Ethylene dibromide)	01/01/18	12/31/18	UT
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)	01/01/18	12/31/18	UT
1,2-Dichlorobenzene (o-Dichlorobenzene)	01/01/18	12/31/18	UT
1,2-Dichloroethane (Ethylene dichloride)	01/01/18	12/31/18	UT
1,2-Dichloropropane	01/01/18	12/31/18	UT
1,3,5-Trimethylbenzene	01/01/18	12/31/18	UT
1,3-Butadiene	01/01/18	12/31/18	UT
1,3-Dichlorobenzene	01/01/18	12/31/18	UT
1,4-Dichlorobenzene	01/01/18	12/31/18	UT
1,4-Dioxane (1,4- Diethyleneoxide)	01/01/18	12/31/18	UT
1-Propene (Propylene)	01/01/18	12/31/18	UT
2,2,4-Trimethylpentane	01/01/18	12/31/18	UT
2-Butanone (Methyl ethyl ketone, MEK)	01/01/18	12/31/18	UT
2-Ethyltoluene	01/01/18	12/31/18	UT
2-Hexanone	01/01/18	12/31/18	UT
3-Ethyltoluene	01/01/18	12/31/18	UT
4-Ethyltoluene	01/01/18	12/31/18	UT
4-Isopropyltoluene (p-Cymene,p-Isopropyltoluene)	01/01/18	12/31/18	UT
4-Methyl-2-pentanone (MIBK)	01/01/18	12/31/18	UT
Acetone	01/01/18	12/31/18	UT
Acetonitrile	01/01/18	12/31/18	UT
Acrolein (Propenal)	01/01/18	12/31/18	UT
Acrylonitrile	01/01/18	12/31/18	UT
Allyl chloride (3-Chloropropene)	01/01/18	12/31/18	UT
alpha-Methylstyrene	01/01/18	12/31/18	UT

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	Start Date	Expires	AB
<b>Program/Matrix: Air &amp; Emissions (Air &amp; Emissions)</b>			
alpha-Pinene	01/01/18	12/31/18	UT
Benzene	01/01/18	12/31/18	UT
Benzyl chloride	01/01/18	12/31/18	UT
Bromodichloromethane	01/01/18	12/31/18	UT
Bromoform	01/01/18	12/31/18	UT
Butyl acetate	01/01/18	12/31/18	UT
Carbon disulfide	01/01/18	12/31/18	UT
Carbon tetrachloride	01/01/18	12/31/18	UT
Chlorobenzene	01/01/18	12/31/18	UT
Chlorodibromomethane	01/01/18	12/31/18	UT
Chloroethane (Ethyl chloride)	01/01/18	12/31/18	UT
Chloroform	01/01/18	12/31/18	UT
cis-1,2-Dichloroethylene	01/01/18	12/31/18	UT
cis-1,3-Dichloropropene	01/01/18	12/31/18	UT
Cyclohexane	01/01/18	12/31/18	UT
Cyclohexanone	01/01/18	12/31/18	UT
Dichlorodifluoromethane (Freon-12)	01/01/18	12/31/18	UT
Di-isopropylether (DIPE) (Isopropyl Ether)	01/01/18	12/31/18	UT
d-Limonene	01/01/18	12/31/18	UT
Ethanol	01/01/18	12/31/18	UT
Ethyl acetate	01/01/18	12/31/18	UT
Ethylbenzene	01/01/18	12/31/18	UT
Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)	01/01/18	12/31/18	UT
Hexachlorobutadiene	01/01/18	12/31/18	UT
Isopropyl acetate	01/01/18	12/31/18	UT
Isopropyl alcohol (2-Propanol, Isopropanol)	01/01/18	12/31/18	UT
Isopropylbenzene	01/01/18	12/31/18	UT
Methyl bromide (Bromomethane)	01/01/18	12/31/18	UT
Methyl chloride (Chloromethane)	01/01/18	12/31/18	UT
Methyl methacrylate	01/01/18	12/31/18	UT
Methyl tert-butyl ether (MTBE)	01/01/18	12/31/18	UT
Methylene chloride (Dichloromethane)	01/01/18	12/31/18	UT
m-Xylene	01/01/18	12/31/18	UT
Naphthalene	01/01/18	12/31/18	UT
n-Butyl alcohol (1-Butanol, n-Butanol)	01/01/18	12/31/18	UT
n-Butylbenzene	01/01/18	12/31/18	UT
n-Decane	01/01/18	12/31/18	UT
n-Dodecane	01/01/18	12/31/18	UT
n-Heptane	01/01/18	12/31/18	UT
n-Hexane	01/01/18	12/31/18	UT
n-Nonane	01/01/18	12/31/18	UT
n-Octane	01/01/18	12/31/18	UT
n-Propylbenzene	01/01/18	12/31/18	UT
n-Undecane	01/01/18	12/31/18	UT
o-Xylene	01/01/18	12/31/18	UT
p-Xylene	01/01/18	12/31/18	UT
sec-Butylbenzene	01/01/18	12/31/18	UT
Styrene	01/01/18	12/31/18	UT

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**Start Date Expires AB****Program/Matrix: Air & Emissions (Air & Emissions)**

T-amylmethylether (TAME)	01/01/18	12/31/18	UT
tert-Butyl alcohol	01/01/18	12/31/18	UT
tert-Butylbenzene	01/01/18	12/31/18	UT
Tetrachloroethylene (Perchloroethylene)	01/01/18	12/31/18	UT
Tetrahydrofuran (THF)	01/01/18	12/31/18	UT
Toluene	01/01/18	12/31/18	UT
trans-1,2-Dichloroethylene	01/01/18	12/31/18	UT
trans-1,3-Dichloropropylene	01/01/18	12/31/18	UT
Trichloroethene (Trichloroethylene)	01/01/18	12/31/18	UT
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	01/01/18	12/31/18	UT
Vinyl acetate	01/01/18	12/31/18	UT
Vinyl chloride (chloroethene)	01/01/18	12/31/18	UT
Xylene (total)	01/01/18	12/31/18	UT

LSAI Labs, LLC

Start Date	Expires	AB
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**Program/Matrix: RCRA (Non Potable Water)****Method EPA 1311**

Toxicity Characteristic Leaching Procedure (TCLP)	01/01/18	12/31/18	UT
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**Method EPA 3015**

Preparation/Extraction	01/01/18	12/31/18	UT
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**Method EPA 3015A**

Preparation/Extraction	01/01/18	12/31/18	UT
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**Method EPA 3020A**

Acid Digestion of Aqueous samples and Extracts for Total Metals	01/01/17	12/31/18	UT
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**Method EPA 3511**

Organics Extraction - General	01/01/17	12/31/18	UT
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**Method EPA 5030A**

Aqueous-phase Purge & Trap	01/01/17	12/31/18	UT
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**Method EPA 6010D**

Aluminum	11/27/17	12/31/18	UT
Antimony	11/27/17	12/31/18	UT
Arsenic	11/27/17	12/31/18	UT
Barium	11/27/17	12/31/18	UT
Beryllium	11/27/17	12/31/18	UT
Cadmium	11/27/17	12/31/18	UT
Calcium	11/27/17	12/31/18	UT
Chromium	11/27/17	12/31/18	UT
Cobalt	11/27/17	12/31/18	UT
Copper	11/27/17	12/31/18	UT
Iron	11/27/17	12/31/18	UT
Lead	11/27/17	12/31/18	UT
Magnesium	11/27/17	12/31/18	UT
Manganese	11/27/17	12/31/18	UT
Molybdenum	11/27/17	12/31/18	UT
Nickel	11/27/17	12/31/18	UT
Potassium	11/27/17	12/31/18	UT
Selenium	11/27/17	12/31/18	UT
Silver	11/27/17	12/31/18	UT
Sodium	11/27/17	12/31/18	UT
Thallium	11/27/17	12/31/18	UT
Tin	11/27/17	12/31/18	UT
Titanium	11/27/17	12/31/18	UT
Vanadium	11/27/17	12/31/18	UT
Zinc	11/27/17	12/31/18	UT

**Method EPA 7010**

Antimony	01/01/17	12/31/18	UT
Arsenic	01/01/17	12/31/18	UT
Beryllium	01/01/17	12/31/18	UT
Cadmium	01/01/17	12/31/18	UT
Chromium	01/01/17	12/31/18	UT
Cobalt	01/01/17	12/31/18	UT
Iron	01/01/17	12/31/18	UT

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	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Non Potable Water)</b>			
Lead	01/01/17	12/31/18	UT
Manganese	01/01/17	12/31/18	UT
Nickel	01/01/17	12/31/18	UT
Selenium	01/01/17	12/31/18	UT
Silver	01/01/17	12/31/18	UT
Thallium	01/01/17	12/31/18	UT
<b>Method EPA 7196A</b>			
Chromium VI	01/01/17	12/31/18	UT
<b>Method EPA 8260B</b>			
1,1,1,2-Tetrachloroethane	01/01/17	12/31/18	UT
1,1,1-Trichloroethane	01/01/17	12/31/18	UT
1,1,2,2-Tetrachloroethane	01/01/17	12/31/18	UT
1,1,2-Trichloroethane	01/01/17	12/31/18	UT
1,1-Dichloroethane	01/01/17	12/31/18	UT
1,1-Dichloroethylene	01/01/17	12/31/18	UT
1,1-Dichloropropene	01/01/17	12/31/18	UT
1,2,3-Trichlorobenzene	01/01/17	12/31/18	UT
1,2,3-Trichloropropane	01/01/17	12/31/18	UT
1,2,4-Trichlorobenzene	01/01/17	12/31/18	UT
1,2,4-Trimethylbenzene	01/01/17	12/31/18	UT
1,2-Dibromo-3-chloropropane (DBCP)	01/01/17	12/31/18	UT
1,2-Dibromoethane (EDB, Ethylene dibromide)	01/01/17	12/31/18	UT
1,2-Dichlorobenzene (o-Dichlorobenzene)	01/01/17	12/31/18	UT
1,2-Dichloroethane (Ethylene dichloride)	01/01/17	12/31/18	UT
1,2-Dichloropropane	01/01/17	12/31/18	UT
1,3,5-Trimethylbenzene	01/01/17	12/31/18	UT
1,3-Dichlorobenzene	01/01/17	12/31/18	UT
1,3-Dichloropropane	01/01/17	12/31/18	UT
1,3-Dichloropropene	01/01/17	12/31/18	UT
1,4-Dichlorobenzene	01/01/17	12/31/18	UT
2,2-Dichloropropane	01/01/17	12/31/18	UT
2-Butanone (Methyl ethyl ketone, MEK)	01/01/17	12/31/18	UT
2-Chloroethyl vinyl ether	01/01/17	12/31/18	UT
2-Chlorotoluene	01/01/17	12/31/18	UT
2-Hexanone	01/01/17	12/31/18	UT
2-Methylnaphthalene	01/01/17	12/31/18	UT
4-Chlorotoluene	01/01/17	12/31/18	UT
4-Isopropyltoluene (p-Cymene,p-Isopropyltoluene)	01/01/17	12/31/18	UT
4-Methyl-2-pentanone (MIBK)	01/01/17	12/31/18	UT
Acetone	01/01/17	12/31/18	UT
Acrolein (Propenal)	01/01/17	12/31/18	UT
Acrylonitrile	01/01/17	12/31/18	UT
Benzene	01/01/17	12/31/18	UT
Bromobenzene	01/01/17	12/31/18	UT
Bromochloromethane	01/01/17	12/31/18	UT
Bromodichloromethane	01/01/17	12/31/18	UT
Bromoform	01/01/17	12/31/18	UT

LSAI Labs, LLC

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Non Potable Water)</b>			
Carbon disulfide	01/01/17	12/31/18	UT
Carbon tetrachloride	01/01/17	12/31/18	UT
Chlorobenzene	01/01/17	12/31/18	UT
Chlorodibromomethane	01/01/17	12/31/18	UT
Chloroethane (Ethyl chloride)	01/01/17	12/31/18	UT
Chloroform	01/01/17	12/31/18	UT
cis & trans-1,2-Dichloroethene	01/01/17	12/31/18	UT
cis-1,2-Dichloroethylene	01/01/17	12/31/18	UT
cis-1,3-Dichloropropene	01/01/17	12/31/18	UT
Dibromomethane (Methylene bromide)	01/01/17	12/31/18	UT
Dichlorodifluoromethane (Freon-12)	01/01/17	12/31/18	UT
Ethylbenzene	01/01/17	12/31/18	UT
Hexachlorobutadiene	01/01/17	12/31/18	UT
Isopropylbenzene	01/01/17	12/31/18	UT
m+p-xylene	01/01/17	12/31/18	UT
Methyl bromide (Bromomethane)	01/01/17	12/31/18	UT
Methyl chloride (Chloromethane)	01/01/17	12/31/18	UT
Methyl tert-butyl ether (MTBE)	01/01/17	12/31/18	UT
Methylene chloride (Dichloromethane)	01/01/17	12/31/18	UT
m-Xylene	01/01/17	12/31/18	UT
Naphthalene	01/01/17	12/31/18	UT
n-Butyl alcohol (1-Butanol, n-Butanol)	01/01/17	12/31/18	UT
n-Butylbenzene	01/01/17	12/31/18	UT
n-Hexane	01/01/17	12/31/18	UT
n-Propylbenzene	01/01/17	12/31/18	UT
o-Xylene	01/01/17	12/31/18	UT
p-Xylene	01/01/17	12/31/18	UT
sec-Butyl Alcohol (2-Butanol)	01/01/17	12/31/18	UT
sec-Butylbenzene	01/01/17	12/31/18	UT
Styrene	01/01/17	12/31/18	UT
tert-Butylbenzene	01/01/17	12/31/18	UT
Tetrachloroethylene (Perchloroethylene)	01/01/17	12/31/18	UT
Toluene	01/01/17	12/31/18	UT
trans-1,2-Dichloroethylene	01/01/17	12/31/18	UT
trans-1,3-Dichloropropylene	01/01/17	12/31/18	UT
trans-1,4-Dichloro-2-butene	01/01/17	12/31/18	UT
Trichloroethene (Trichloroethylene)	01/01/17	12/31/18	UT
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	01/01/17	12/31/18	UT
Vinyl acetate	01/01/17	12/31/18	UT
Vinyl chloride (chloroethene)	01/01/17	12/31/18	UT
Xylene (total)	01/01/17	12/31/18	UT
<b>Method EPA 8270D</b>			
1,2,4-Trichlorobenzene	01/01/17	12/31/18	UT
1,2-Dichlorobenzene (o-Dichlorobenzene)	01/01/17	12/31/18	UT
1,2-Dinitrobenzene	01/01/17	12/31/18	UT
1,2-Diphenylhydrazine	01/01/17	12/31/18	UT
1,3-Dichlorobenzene	01/01/17	12/31/18	UT

LSAI Labs, LLC

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Non Potable Water)</b>			
1,3-Dinitrobenzene (1,3-DNB)	01/01/17	12/31/18	UT
1,4-Dichlorobenzene	01/01/17	12/31/18	UT
1,4-Dinitrobenzene	01/01/17	12/31/18	UT
1-Methylnaphthalene	01/01/17	12/31/18	UT
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	01/01/17	12/31/18	UT
2,3,4,6-Tetrachlorophenol	01/01/17	12/31/18	UT
2,3,5,6-Tetrachlorophenol	01/01/17	12/31/18	UT
2,4,5-Trichlorophenol	01/01/17	12/31/18	UT
2,4,6-Trichlorophenol	01/01/17	12/31/18	UT
2,4-Dichlorophenol	01/01/17	12/31/18	UT
2,4-Dimethylphenol	01/01/17	12/31/18	UT
2,4-Dinitrophenol	01/01/17	12/31/18	UT
2,4-Dinitrotoluene (2,4-DNT)	01/01/17	12/31/18	UT
2,6-Dinitrotoluene (2,6-DNT)	01/01/17	12/31/18	UT
2-Chloronaphthalene	01/01/17	12/31/18	UT
2-Chlorophenol	01/01/17	12/31/18	UT
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	01/01/17	12/31/18	UT
2-Methylnaphthalene	01/01/17	12/31/18	UT
2-Methylphenol (o-Cresol)	01/01/17	12/31/18	UT
2-Nitroaniline	01/01/17	12/31/18	UT
2-Nitrophenol	01/01/17	12/31/18	UT
3,3'-Dichlorobenzidine	01/01/17	12/31/18	UT
3,3'-Dimethylbenzidine	01/01/17	12/31/18	UT
3-Methylphenol (m-Cresol)	01/01/17	12/31/18	UT
3-Nitroaniline	01/01/17	12/31/18	UT
4-Bromophenyl phenyl ether	01/01/17	12/31/18	UT
4-Chloro-3-methylphenol	01/01/17	12/31/18	UT
4-Chlorophenyl phenylether	01/01/17	12/31/18	UT
4-Methylphenol (p-Cresol)	01/01/17	12/31/18	UT
4-Nitroaniline	01/01/17	12/31/18	UT
4-Nitrophenol	01/01/17	12/31/18	UT
Acenaphthene	01/01/17	12/31/18	UT
Acenaphthylene	01/01/17	12/31/18	UT
Aniline	01/01/17	12/31/18	UT
Anthracene	01/01/17	12/31/18	UT
Azobenzene (1,2-Diphenylhydrazine)	01/01/17	12/31/18	UT
Benzidine	01/01/17	12/31/18	UT
Benzo(a)anthracene	01/01/17	12/31/18	UT
Benzo(a)pyrene	01/01/17	12/31/18	UT
Benzo(b)fluoranthene	01/01/17	12/31/18	UT
Benzo(g,h,i)perylene	01/01/17	12/31/18	UT
Benzo(k)fluoranthene	01/01/17	12/31/18	UT
Benzyl alcohol	01/01/17	12/31/18	UT
bis(2-Chloroethoxy)methane	01/01/17	12/31/18	UT
bis(2-Chloroethyl) ether	01/01/17	12/31/18	UT
bis(2-Ethylhexyl)adipate (di(2-ethylhexyl)adipate)	01/01/17	12/31/18	UT
Butyl benzyl phthalate	01/01/17	12/31/18	UT
Carbazole	01/01/17	12/31/18	UT



LSAI Labs, LLC

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

Chrysene	01/01/17	12/31/18	UT
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	01/01/17	12/31/18	UT
Dibenz(a,h) anthracene	01/01/17	12/31/18	UT
Dibenzofuran	01/01/17	12/31/18	UT
Diethyl phthalate	01/01/17	12/31/18	UT
Dimethyl phthalate	01/01/17	12/31/18	UT
Di-n-butyl phthalate	01/01/17	12/31/18	UT
Di-n-octyl phthalate	01/01/17	12/31/18	UT
Diphenylamine	01/01/17	12/31/18	UT
Fluoranthene	01/01/17	12/31/18	UT
Fluorene	01/01/17	12/31/18	UT
Hexachlorobenzene	01/01/17	12/31/18	UT
Hexachlorobutadiene	01/01/17	12/31/18	UT
Hexachlorocyclopentadiene	01/01/17	12/31/18	UT
Hexachloroethane	01/01/17	12/31/18	UT
Indeno(1,2,3-cd) pyrene	01/01/17	12/31/18	UT
Isophorone	01/01/17	12/31/18	UT
Naphthalene	01/01/17	12/31/18	UT
Nitrobenzene	01/01/17	12/31/18	UT
n-Nitrosodi-n-propylamine	01/01/17	12/31/18	UT
n-Nitrosodiphenylamine	01/01/17	12/31/18	UT
Pentachlorophenol	01/01/17	12/31/18	UT
Phenanthrene	01/01/17	12/31/18	UT
Phenol	01/01/17	12/31/18	UT
Pyrene	01/01/17	12/31/18	UT

LSAI Labs, LLC

Start Date Expires AB

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

Toxicity Characteristic Leaching Procedure (TCLP) 01/01/18 12/31/18 UT

**Method EPA 3050B**

Acid Digestion of Solids 01/01/17 12/31/18 UT

**Method EPA 3051**

Microwave Digestion of Solids 01/01/18 12/31/18 UT

**Method EPA 3060A**

Preparation/Extraction 01/01/18 12/31/18 UT

**Method EPA 3550B**

Ultrasonic Extraction 01/01/17 12/31/18 UT

**Method EPA 5035A**

Solid-Phase Purge &amp; Trap 01/01/17 12/31/18 UT

**Method EPA 6010D**

Aluminum 11/27/17 12/31/18 UT

Antimony 11/27/17 12/31/18 UT

Arsenic 11/27/17 12/31/18 UT

Barium 11/27/17 12/31/18 UT

Beryllium 11/27/17 12/31/18 UT

Cadmium 11/27/17 12/31/18 UT

Calcium 11/27/17 12/31/18 UT

Chromium 11/27/17 12/31/18 UT

Cobalt 11/27/17 12/31/18 UT

Copper 11/27/17 12/31/18 UT

Iron 11/27/17 12/31/18 UT

Lead 11/27/17 12/31/18 UT

Magnesium 11/27/17 12/31/18 UT

Manganese 11/27/17 12/31/18 UT

Molybdenum 11/27/17 12/31/18 UT

Nickel 11/27/17 12/31/18 UT

Potassium 11/27/17 12/31/18 UT

Selenium 11/27/17 12/31/18 UT

Silver 11/27/17 12/31/18 UT

Sodium 11/27/17 12/31/18 UT

Thallium 11/27/17 12/31/18 UT

Tin 11/27/17 12/31/18 UT

Titanium 11/27/17 12/31/18 UT

Vanadium 11/27/17 12/31/18 UT

Zinc 11/27/17 12/31/18 UT

**Method EPA 7010**

Arsenic 01/01/17 12/31/18 UT

Beryllium 01/01/17 12/31/18 UT

Chromium 01/01/17 12/31/18 UT

Cobalt 01/01/17 12/31/18 UT

Iron 01/01/17 12/31/18 UT

Lead 01/01/17 12/31/18 UT

Manganese 01/01/17 12/31/18 UT

LSAI Labs, LLC

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

Nickel	01/01/17	12/31/18	UT
Selenium	01/01/17	12/31/18	UT
Thallium	01/01/17	12/31/18	UT

**Method EPA 8260B**

1,1,1,2-Tetrachloroethane	01/01/17	12/31/18	UT
1,1,1-Trichloroethane	01/01/17	12/31/18	UT
1,1,2,2-Tetrachloroethane	01/01/17	12/31/18	UT
1,1,2-Trichloroethane	01/01/17	12/31/18	UT
1,1-Dichloroethane	01/01/17	12/31/18	UT
1,1-Dichloroethylene	01/01/17	12/31/18	UT
1,1-Dichloropropene	01/01/17	12/31/18	UT
1,2,3-Trichlorobenzene	01/01/17	12/31/18	UT
1,2,3-Trichloropropane	01/01/17	12/31/18	UT
1,2,4-Trichlorobenzene	01/01/17	12/31/18	UT
1,2,4-Trimethylbenzene	01/01/17	12/31/18	UT
1,2-Dibromo-3-chloropropane (DBCP)	01/01/17	12/31/18	UT
1,2-Dibromoethane (EDB, Ethylene dibromide)	01/01/17	12/31/18	UT
1,2-Dichlorobenzene (o-Dichlorobenzene)	01/01/17	12/31/18	UT
1,2-Dichloroethane (Ethylene dichloride)	01/01/17	12/31/18	UT
1,2-Dichloropropane	01/01/17	12/31/18	UT
1,3,5-Trimethylbenzene	01/01/17	12/31/18	UT
1,3-Dichlorobenzene	01/01/17	12/31/18	UT
1,3-Dichloropropane	01/01/17	12/31/18	UT
1,3-Dichloropropene	01/01/17	12/31/18	UT
1,4-Dichlorobenzene	01/01/17	12/31/18	UT
2,2-Dichloropropane	01/01/17	12/31/18	UT
2-Butanone (Methyl ethyl ketone, MEK)	01/01/17	12/31/18	UT
2-Chloroethyl vinyl ether	01/01/17	12/31/18	UT
2-Chlorotoluene	01/01/17	12/31/18	UT
2-Hexanone	01/01/17	12/31/18	UT
2-Methylnaphthalene	01/01/17	12/31/18	UT
4-Chlorotoluene	01/01/17	12/31/18	UT
4-Isopropyltoluene (p-Cymene,p-Isopropyltoluene)	01/01/17	12/31/18	UT
4-Methyl-2-pentanone (MIBK)	01/01/17	12/31/18	UT
Acetone	01/01/17	12/31/18	UT
Acrolein (Propenal)	01/01/17	12/31/18	UT
Acrylonitrile	01/01/17	12/31/18	UT
Benzene	01/01/17	12/31/18	UT
Bromobenzene	01/01/17	12/31/18	UT
Bromochloromethane	01/01/17	12/31/18	UT
Bromodichloromethane	01/01/17	12/31/18	UT
Bromoform	01/01/17	12/31/18	UT
Carbon disulfide	01/01/17	12/31/18	UT
Carbon tetrachloride	01/01/17	12/31/18	UT
Chlorobenzene	01/01/17	12/31/18	UT
Chlorodibromomethane	01/01/17	12/31/18	UT
Chloroethane (Ethyl chloride)	01/01/17	12/31/18	UT

LSAI Labs, LLC

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

Chloroform	01/01/17	12/31/18	UT
cis & trans-1,2-Dichloroethene	01/01/17	12/31/18	UT
cis-1,2-Dichloroethylene	01/01/17	12/31/18	UT
cis-1,3-Dichloropropene	01/01/17	12/31/18	UT
Dibromomethane (Methylene bromide)	01/01/17	12/31/18	UT
Dichlorodifluoromethane (Freon-12)	01/01/17	12/31/18	UT
Ethylbenzene	01/01/17	12/31/18	UT
Hexachlorobutadiene	01/01/17	12/31/18	UT
Isopropylbenzene	01/01/17	12/31/18	UT
m+p-xylene	01/01/17	12/31/18	UT
Methyl bromide (Bromomethane)	01/01/17	12/31/18	UT
Methyl chloride (Chloromethane)	01/01/17	12/31/18	UT
Methyl tert-butyl ether (MTBE)	01/01/17	12/31/18	UT
Naphthalene	01/01/17	12/31/18	UT
n-Butyl alcohol (1-Butanol, n-Butanol)	01/01/17	12/31/18	UT
n-Butylbenzene	01/01/17	12/31/18	UT
n-Hexane	01/01/17	12/31/18	UT
n-Propylbenzene	01/01/17	12/31/18	UT
o-Xylene	01/01/17	12/31/18	UT
sec-Butyl Alcohol (2-Butanol)	01/01/17	12/31/18	UT
sec-Butylbenzene	01/01/17	12/31/18	UT
Styrene	01/01/17	12/31/18	UT
tert-Butylbenzene	01/01/17	12/31/18	UT
Tetrachloroethylene (Perchloroethylene)	01/01/17	12/31/18	UT
Toluene	01/01/17	12/31/18	UT
trans-1,2-Dichloroethylene	01/01/17	12/31/18	UT
trans-1,3-Dichloropropylene	01/01/17	12/31/18	UT
trans-1,4-Dichloro-2-butene	01/01/17	12/31/18	UT
Trichloroethene (Trichloroethylene)	01/01/17	12/31/18	UT
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	01/01/17	12/31/18	UT
Vinyl acetate	01/01/17	12/31/18	UT
Vinyl chloride (chloroethene)	01/01/17	12/31/18	UT
Xylene (total)	01/01/17	12/31/18	UT

**Method EPA 8270D**

1,2,4-Trichlorobenzene	01/01/17	12/31/18	UT
1,2-Dichlorobenzene (o-Dichlorobenzene)	01/01/17	12/31/18	UT
1,2-Dinitrobenzene	01/01/17	12/31/18	UT
1,2-Diphenylhydrazine	01/01/17	12/31/18	UT
1,3-Dichlorobenzene	01/01/17	12/31/18	UT
1,3-Dinitrobenzene (1,3-DNB)	01/01/17	12/31/18	UT
1,4-Dichlorobenzene	01/01/17	12/31/18	UT
1,4-Dinitrobenzene	01/01/17	12/31/18	UT
1-Methylnaphthalene	01/01/17	12/31/18	UT
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	01/01/17	12/31/18	UT
2,3,4,6-Tetrachlorophenol	01/01/17	12/31/18	UT
2,3,5,6-Tetrachlorophenol	01/01/17	12/31/18	UT
2,4,5-Trichlorophenol	01/01/17	12/31/18	UT

LSAI Labs, LLC

Start Date Expires AB

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

Chemical Name	Start Date	Expires	AB
2,4,6-Trichlorophenol	01/01/17	12/31/18	UT
2,4-Dichlorophenol	01/01/17	12/31/18	UT
2,4-Dimethylphenol	01/01/17	12/31/18	UT
2,4-Dinitrophenol	01/01/17	12/31/18	UT
2,4-Dinitrotoluene (2,4-DNT)	01/01/17	12/31/18	UT
2,6-Dinitrotoluene (2,6-DNT)	01/01/17	12/31/18	UT
2-Chloronaphthalene	01/01/17	12/31/18	UT
2-Chlorophenol	01/01/17	12/31/18	UT
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	01/01/17	12/31/18	UT
2-Methylnaphthalene	01/01/17	12/31/18	UT
2-Methylphenol (o-Cresol)	01/01/17	12/31/18	UT
2-Nitroaniline	01/01/17	12/31/18	UT
2-Nitrophenol	01/01/17	12/31/18	UT
3,3'-Dichlorobenzidine	01/01/17	12/31/18	UT
3,3'-Dimethylbenzidine	01/01/17	12/31/18	UT
3-Methylphenol (m-Cresol)	01/01/17	12/31/18	UT
3-Nitroaniline	01/01/17	12/31/18	UT
4-Bromophenyl phenyl ether	01/01/17	12/31/18	UT
4-Chloro-3-methylphenol	01/01/17	12/31/18	UT
4-Chlorophenyl phenylether	01/01/17	12/31/18	UT
4-Methylphenol (p-Cresol)	01/01/17	12/31/18	UT
4-Nitroaniline	01/01/17	12/31/18	UT
Acenaphthene	01/01/17	12/31/18	UT
Acenaphthylene	01/01/17	12/31/18	UT
Aniline	01/01/17	12/31/18	UT
Anthracene	01/01/17	12/31/18	UT
Azobenzene (1,2-Diphenylhydrazine)	01/01/17	12/31/18	UT
Benzidine	01/01/17	12/31/18	UT
Benzo(a)anthracene	01/01/17	12/31/18	UT
Benzo(a)pyrene	01/01/17	12/31/18	UT
Benzo(b)fluoranthene	01/01/17	12/31/18	UT
Benzo(g,h,i)perylene	01/01/17	12/31/18	UT
Benzo(k)fluoranthene	01/01/17	12/31/18	UT
Benzyl alcohol	01/01/17	12/31/18	UT
bis(2-Chloroethoxy)methane	01/01/17	12/31/18	UT
bis(2-Chloroethyl) ether	01/01/17	12/31/18	UT
bis(2-Ethylhexyl)adipate (di(2-ethylhexyl)adipate)	01/01/17	12/31/18	UT
Butyl benzyl phthalate	01/01/17	12/31/18	UT
Carbazole	01/01/17	12/31/18	UT
Chrysene	01/01/17	12/31/18	UT
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	01/01/17	12/31/18	UT
Dibenz(a,h) anthracene	01/01/17	12/31/18	UT
Dibenzofuran	01/01/17	12/31/18	UT
Diethyl phthalate	01/01/17	12/31/18	UT
Dimethyl phthalate	01/01/17	12/31/18	UT
Di-n-butyl phthalate	01/01/17	12/31/18	UT
Di-n-octyl phthalate	01/01/17	12/31/18	UT
Diphenylamine	01/01/17	12/31/18	UT

LSAI Labs, LLC

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Solid &amp; Hazardous Material)</b>			
Fluoranthene	01/01/17	12/31/18	UT
Fluorene	01/01/17	12/31/18	UT
Hexachlorobenzene	01/01/17	12/31/18	UT
Hexachlorobutadiene	01/01/17	12/31/18	UT
Hexachlorocyclopentadiene	01/01/17	12/31/18	UT
Hexachloroethane	01/01/17	12/31/18	UT
Indeno(1,2,3-cd) pyrene	01/01/17	12/31/18	UT
Isophorone	01/01/17	12/31/18	UT
Naphthalene	01/01/17	12/31/18	UT
Nitrobenzene	01/01/17	12/31/18	UT
n-Nitrosodi-n-propylamine	01/01/17	12/31/18	UT
n-Nitrosodiphenylamine	01/01/17	12/31/18	UT
Pentachlorophenol	01/01/17	12/31/18	UT
Phenanthrene	01/01/17	12/31/18	UT
Phenol	01/01/17	12/31/18	UT
Pyrene	01/01/17	12/31/18	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.