

State of Utah  
Department of Health  
Environmental Laboratory Certification Program  
*Certification is hereby granted to*  
Empirical Laboratories, LLC.

621 Mainstream Drive, Suite 270  
Nashville, TN 37228

*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: TN004  
Expiration Date: 7/31/2017  
Certificate Number: TN0042016-8



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: TN004**

**Attachment to Certificate Number: TN0042016-8**

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Empirical Laboratories, LLC.

**Start Date Expires AB**

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

**Method EPA 1010**

Ignitability 08/01/16 07/31/17 FL

**Method EPA 1311**

Toxicity Characteristic Leaching Procedure (TCLP) 08/01/16 07/31/17 FL

**Method EPA 6010C**

Aluminum 08/01/16 07/31/17 FL

Antimony 08/01/16 07/31/17 FL

Arsenic 08/01/16 07/31/17 FL

Barium 08/01/16 07/31/17 FL

Beryllium 08/01/16 07/31/17 FL

Boron 08/01/16 07/31/17 FL

Cadmium 08/01/16 07/31/17 FL

Calcium 08/01/16 07/31/17 FL

Chromium 08/01/16 07/31/17 FL

Cobalt 08/01/16 07/31/17 FL

Copper 08/01/16 07/31/17 FL

Iron 08/01/16 07/31/17 FL

Lead 08/01/16 07/31/17 FL

Magnesium 08/01/16 07/31/17 FL

Manganese 08/01/16 07/31/17 FL

Molybdenum 08/01/16 07/31/17 FL

Nickel 08/01/16 07/31/17 FL

Potassium 08/01/16 07/31/17 FL

Selenium 08/01/16 07/31/17 FL

Silver 08/01/16 07/31/17 FL

Sodium 08/01/16 07/31/17 FL

Strontium 08/01/16 07/31/17 FL

Thallium 08/01/16 07/31/17 FL

Tin 08/01/16 07/31/17 FL

Titanium 08/01/16 07/31/17 FL

Vanadium 08/01/16 07/31/17 FL

Zinc 08/01/16 07/31/17 FL

**Method EPA 7470A**

Mercury 08/01/16 07/31/17 FL

**Method EPA 8015B**



Empirical Laboratories, LLC.

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Non Potable Water)</b>			
Diesel range organics (DRO)	08/01/16	07/31/17	FL
Gasoline range organics (GRO)	08/01/16	07/31/17	FL
Total Petroleum Hydrocarbons (TPH)	08/01/16	07/31/17	FL
<b>Method EPA 8081B</b>			
4,4'-DDD	08/01/16	07/31/17	FL
4,4'-DDE	08/01/16	07/31/17	FL
4,4'-DDT	08/01/16	07/31/17	FL
Aldrin	08/01/16	07/31/17	FL
alpha-BHC (alpha-Hexachlorocyclohexane)	08/01/16	07/31/17	FL
alpha-Chlordane	08/01/16	07/31/17	FL
beta-BHC (beta-Hexachlorocyclohexane)	08/01/16	07/31/17	FL
Chlordane (tech.)	08/01/16	07/31/17	FL
delta-BHC	08/01/16	07/31/17	FL
Dieldrin	08/01/16	07/31/17	FL
Endosulfan I	08/01/16	07/31/17	FL
Endosulfan II	08/01/16	07/31/17	FL
Endosulfan sulfate	08/01/16	07/31/17	FL
Endrin	08/01/16	07/31/17	FL
Endrin aldehyde	08/01/16	07/31/17	FL
Endrin ketone	08/01/16	07/31/17	FL
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	08/01/16	07/31/17	FL
gamma-Chlordane	08/01/16	07/31/17	FL
Heptachlor	08/01/16	07/31/17	FL
Heptachlor epoxide	08/01/16	07/31/17	FL
Methoxychlor	08/01/16	07/31/17	FL
Toxaphene (Chlorinated camphene)	08/01/16	07/31/17	FL
<b>Method EPA 8082A</b>			
Aroclor-1016 (PCB-1016)	08/01/16	07/31/17	FL
Aroclor-1221 (PCB-1221)	08/01/16	07/31/17	FL
Aroclor-1232 (PCB-1232)	08/01/16	07/31/17	FL
Aroclor-1242 (PCB-1242)	08/01/16	07/31/17	FL
Aroclor-1248 (PCB-1248)	08/01/16	07/31/17	FL
Aroclor-1254 (PCB-1254)	08/01/16	07/31/17	FL
Aroclor-1260 (PCB-1260)	08/01/16	07/31/17	FL
Aroclor-1262 (PCB-1262)	08/01/16	07/31/17	FL
Aroclor-1268 (PCB-1268)	08/01/16	07/31/17	FL
PCBs	08/01/16	07/31/17	FL
<b>Method EPA 8151A</b>			
2,4,5-T	08/01/16	07/31/17	FL
2,4-D	08/01/16	07/31/17	FL
2,4-DB	08/01/16	07/31/17	FL
Dalapon	08/01/16	07/31/17	FL
Dicamba	08/01/16	07/31/17	FL
Dichloroprop (Dichlorprop)	08/01/16	07/31/17	FL
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	08/01/16	07/31/17	FL
MCPA	08/01/16	07/31/17	FL
MCPP	08/01/16	07/31/17	FL

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Non Potable Water)</b>			
Silvex (2,4,5-TP)	08/01/16	07/31/17	FL
<b>Method EPA 8260B</b>			
1,1,1,2-Tetrachloroethane	08/01/16	07/31/17	FL
1,1,1-Trichloroethane	08/01/16	07/31/17	FL
1,1,2,2-Tetrachloroethane	08/01/16	07/31/17	FL
1,1,2-Trichloro-1,2,2-trifluoroethane	08/01/16	07/31/17	FL
1,1,2-Trichloroethane	08/01/16	07/31/17	FL
1,1-Dichloroethane	08/01/16	07/31/17	FL
1,1-Dichloroethylene	08/01/16	07/31/17	FL
1,1-Dichloropropene	08/01/16	07/31/17	FL
1,2,3-Trichlorobenzene	08/01/16	07/31/17	FL
1,2,3-Trichloropropane	08/01/16	07/31/17	FL
1,2,4-Trichlorobenzene	08/01/16	07/31/17	FL
1,2,4-Trimethylbenzene	08/01/16	07/31/17	FL
1,2-Dibromo-3-chloropropane (DBCP)	08/01/16	07/31/17	FL
1,2-Dibromoethane (EDB, Ethylene dibromide)	08/01/16	07/31/17	FL
1,2-Dichlorobenzene (o-Dichlorobenzene)	08/01/16	07/31/17	FL
1,2-Dichloroethane (Ethylene dichloride)	08/01/16	07/31/17	FL
1,2-Dichloropropane	08/01/16	07/31/17	FL
1,3,5-Trimethylbenzene	08/01/16	07/31/17	FL
1,3-Dichlorobenzene	08/01/16	07/31/17	FL
1,3-Dichloropropane	08/01/16	07/31/17	FL
1,4-Dichlorobenzene	08/01/16	07/31/17	FL
1,4-Dioxane (1,4- Diethyleneoxide)	08/01/16	07/31/17	FL
2-Butanone (Methyl ethyl ketone, MEK)	08/01/16	07/31/17	FL
2-Chloroethyl vinyl ether	08/01/16	07/31/17	FL
2-Chlorotoluene	08/01/16	07/31/17	FL
2-Hexanone	08/01/16	07/31/17	FL
4-Chlorotoluene	08/01/16	07/31/17	FL
4-Isopropyltoluene (p-Cymene,p-Isopropyltoluene)	08/01/16	07/31/17	FL
4-Methyl-2-pentanone (MIBK)	08/01/16	07/31/17	FL
Acetone	08/01/16	07/31/17	FL
Acetonitrile	08/01/16	07/31/17	FL
Acrolein (Propenal)	08/01/16	07/31/17	FL
Acrylonitrile	08/01/16	07/31/17	FL
Allyl chloride (3-Chloropropene)	08/01/16	07/31/17	FL
Benzene	08/01/16	07/31/17	FL
Bromobenzene	08/01/16	07/31/17	FL
Bromochloromethane	08/01/16	07/31/17	FL
Bromodichloromethane	08/01/16	07/31/17	FL
Bromoform	08/01/16	07/31/17	FL
Carbon disulfide	08/01/16	07/31/17	FL
Carbon tetrachloride	08/01/16	07/31/17	FL
Chlorobenzene	08/01/16	07/31/17	FL
Chlorodibromomethane	08/01/16	07/31/17	FL
Chloroethane (Ethyl chloride)	08/01/16	07/31/17	FL
Chloroform	08/01/16	07/31/17	FL

Empirical Laboratories, LLC.

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

Chloroprene (2-Chloro-1,3-butadiene)	08/01/16	07/31/17	FL
cis-1,2-Dichloroethylene	08/01/16	07/31/17	FL
cis-1,3-Dichloropropene	08/01/16	07/31/17	FL
cis-1,4-Dichloro-2-butene	08/01/16	07/31/17	FL
Cyclohexane	08/01/16	07/31/17	FL
Dibromomethane (Methylene bromide)	08/01/16	07/31/17	FL
Dichlorodifluoromethane (Freon-12)	08/01/16	07/31/17	FL
Di-isopropylether (DIPE) (Isopropyl Ether)	08/01/16	07/31/17	FL
Ethyl methacrylate	08/01/16	07/31/17	FL
Ethylbenzene	08/01/16	07/31/17	FL
Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)	08/01/16	07/31/17	FL
Hexachlorobutadiene	08/01/16	07/31/17	FL
Iodomethane (Methyl iodide)	08/01/16	07/31/17	FL
Isobutyl alcohol (2-Methyl-1-propanol)	08/01/16	07/31/17	FL
Isopropylbenzene	08/01/16	07/31/17	FL
Methacrylonitrile	08/01/16	07/31/17	FL
Methyl acetate	08/01/16	07/31/17	FL
Methyl bromide (Bromomethane)	08/01/16	07/31/17	FL
Methyl chloride (Chloromethane)	08/01/16	07/31/17	FL
Methyl methacrylate	08/01/16	07/31/17	FL
Methyl tert-butyl ether (MTBE)	08/01/16	07/31/17	FL
Methylcyclohexane	08/01/16	07/31/17	FL
Methylene chloride (Dichloromethane)	08/01/16	07/31/17	FL
m-Xylene	08/01/16	07/31/17	FL
Naphthalene	08/01/16	07/31/17	FL
n-Butylbenzene	08/01/16	07/31/17	FL
n-Hexane	08/01/16	07/31/17	FL
n-Propylbenzene	08/01/16	07/31/17	FL
o-Xylene	08/01/16	07/31/17	FL
Propionitrile (Ethyl cyanide)	08/01/16	07/31/17	FL
sec-Butylbenzene	08/01/16	07/31/17	FL
Styrene	08/01/16	07/31/17	FL
T-amylmethylether (TAME)	08/01/16	07/31/17	FL
tert-Butylbenzene	08/01/16	07/31/17	FL
Tetrachloroethylene (Perchloroethylene)	08/01/16	07/31/17	FL
Tetrahydrofuran (THF)	08/01/16	07/31/17	FL
Toluene	08/01/16	07/31/17	FL
trans-1,2-Dichloroethylene	08/01/16	07/31/17	FL
trans-1,3-Dichloropropylene	08/01/16	07/31/17	FL
trans-1,4-Dichloro-2-butene	08/01/16	07/31/17	FL
Trichloroethene (Trichloroethylene)	08/01/16	07/31/17	FL
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	08/01/16	07/31/17	FL
Vinyl acetate	08/01/16	07/31/17	FL
Vinyl chloride	08/01/16	07/31/17	FL
Xylene (total)	08/01/16	07/31/17	FL

**Method EPA 8260C**

1,1-Dichloropropene	08/01/16	07/31/17	FL
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Empirical Laboratories, LLC.

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

Allyl chloride (3-Chloropropene)	08/01/16	07/31/17	FL
Chloroprene (2-Chloro-1,3-butadiene)	08/01/16	07/31/17	FL
cis-1,4-Dichloro-2-butene	08/01/16	07/31/17	FL
Di-isopropylether (DIPE) (Isopropyl Ether)	08/01/16	07/31/17	FL
Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)	08/01/16	07/31/17	FL
m-Xylene	08/01/16	07/31/17	FL
n-Hexane	08/01/16	07/31/17	FL
p-Xylene	08/01/16	07/31/17	FL
T-amylmethylether (TAME)	08/01/16	07/31/17	FL
tert-Butyl alcohol	08/01/16	07/31/17	FL
Tetrahydrofuran (THF)	08/01/16	07/31/17	FL

**Method EPA 8270D**

1,1'-Biphenyl (BZ-0)	08/01/16	07/31/17	FL
1,2,4,5-Tetrachlorobenzene	08/01/16	07/31/17	FL
1,2,4-Trichlorobenzene	08/01/16	07/31/17	FL
1,2-Dichlorobenzene (o-Dichlorobenzene)	08/01/16	07/31/17	FL
1,2-Diphenylhydrazine	08/01/16	07/31/17	FL
1,3,5-Trinitrobenzene (1,3,5-TNB)	08/01/16	07/31/17	FL
1,3-Dichlorobenzene	08/01/16	07/31/17	FL
1,4-Dichlorobenzene	08/01/16	07/31/17	FL
1,4-Dioxane (1,4-Diethyleneoxide)	08/01/16	07/31/17	FL
1-Methylnaphthalene	08/01/16	07/31/17	FL
2,3,4,6-Tetrachlorophenol	08/01/16	07/31/17	FL
2,4,5-Trichlorophenol	08/01/16	07/31/17	FL
2,4,6-Trichlorophenol	08/01/16	07/31/17	FL
2,4-Dichlorophenol	08/01/16	07/31/17	FL
2,4-Dimethylphenol	08/01/16	07/31/17	FL
2,4-Dinitrophenol	08/01/16	07/31/17	FL
2,4-Dinitrotoluene (2,4-DNT)	08/01/16	07/31/17	FL
2,6-Dichlorophenol	08/01/16	07/31/17	FL
2,6-Dinitrotoluene (2,6-DNT)	08/01/16	07/31/17	FL
2-Chloronaphthalene	08/01/16	07/31/17	FL
2-Chlorophenol	08/01/16	07/31/17	FL
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	08/01/16	07/31/17	FL
2-Methylnaphthalene	08/01/16	07/31/17	FL
2-Methylphenol (o-Cresol)	08/01/16	07/31/17	FL
2-Nitroaniline	08/01/16	07/31/17	FL
2-Nitrophenol	08/01/16	07/31/17	FL
3,3'-Dichlorobenzidine	08/01/16	07/31/17	FL
3-Methylphenol (m-Cresol)	08/01/16	07/31/17	FL
3-Nitroaniline	08/01/16	07/31/17	FL
4-Bromophenyl phenyl ether	08/01/16	07/31/17	FL
4-Chloro-3-methylphenol	08/01/16	07/31/17	FL
4-Chloroaniline	08/01/16	07/31/17	FL
4-Chlorophenyl phenylether	08/01/16	07/31/17	FL
4-Methylphenol (p-Cresol)	08/01/16	07/31/17	FL
4-Nitroaniline	08/01/16	07/31/17	FL

Empirical Laboratories, LLC.

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

4-Nitrophenol	08/01/16	07/31/17	FL
Acenaphthene	08/01/16	07/31/17	FL
Acenaphthylene	08/01/16	07/31/17	FL
Acetophenone	08/01/16	07/31/17	FL
Aniline	08/01/16	07/31/17	FL
Anthracene	08/01/16	07/31/17	FL
Atrazine	08/01/16	07/31/17	FL
Benzaldehyde	08/01/16	07/31/17	FL
Benzidine	08/01/16	07/31/17	FL
Benzo(a)anthracene	08/01/16	07/31/17	FL
Benzo(a)pyrene	08/01/16	07/31/17	FL
Benzo(b)fluoranthene	08/01/16	07/31/17	FL
Benzo(g,h,i)perylene	08/01/16	07/31/17	FL
Benzo(k)fluoranthene	08/01/16	07/31/17	FL
Benzoic acid	08/01/16	07/31/17	FL
Benzyl alcohol	08/01/16	07/31/17	FL
bis(2-Chloroethoxy)methane	08/01/16	07/31/17	FL
bis(2-Chloroethyl) ether	08/01/16	07/31/17	FL
bis(2-Chloroisopropyl) ether	08/01/16	07/31/17	FL
Butyl benzyl phthalate	08/01/16	07/31/17	FL
Caprolactam	08/01/16	07/31/17	FL
Carbazole	08/01/16	07/31/17	FL
Chrysene	08/01/16	07/31/17	FL
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	08/01/16	07/31/17	FL
Dibenz(a,h) anthracene	08/01/16	07/31/17	FL
Dibenzofuran	08/01/16	07/31/17	FL
Diethyl phthalate	08/01/16	07/31/17	FL
Dimethyl phthalate	08/01/16	07/31/17	FL
Di-n-butyl phthalate	08/01/16	07/31/17	FL
Di-n-octyl phthalate	08/01/16	07/31/17	FL
Fluoranthene	08/01/16	07/31/17	FL
Fluorene	08/01/16	07/31/17	FL
Hexachlorobenzene	08/01/16	07/31/17	FL
Hexachlorobutadiene	08/01/16	07/31/17	FL
Hexachlorocyclopentadiene	08/01/16	07/31/17	FL
Hexachloroethane	08/01/16	07/31/17	FL
Indeno(1,2,3-cd) pyrene	08/01/16	07/31/17	FL
Isophorone	08/01/16	07/31/17	FL
Naphthalene	08/01/16	07/31/17	FL
Nitrobenzene	08/01/16	07/31/17	FL
n-Nitrosodimethylamine	08/01/16	07/31/17	FL
n-Nitrosodi-n-propylamine	08/01/16	07/31/17	FL
n-Nitrosodiphenylamine	08/01/16	07/31/17	FL
Pentachlorophenol	08/01/16	07/31/17	FL
Phenanthrene	08/01/16	07/31/17	FL
Phenol	08/01/16	07/31/17	FL
Pyrene	08/01/16	07/31/17	FL
Pyridine	08/01/16	07/31/17	FL

Empirical Laboratories, LLC.

Start Date	Expires	AB
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**Program/Matrix: RCRA (Non Potable Water)****Method EPA 8330A**

1,3,5-Trinitrobenzene (1,3,5-TNB)	08/01/16	07/31/17	FL
1,3-Dinitrobenzene (1,3-DNB)	08/01/16	07/31/17	FL
2,4,6-Trinitrotoluene (2,4,6-TNT)	08/01/16	07/31/17	FL
2,4-Dinitrotoluene (2,4-DNT)	08/01/16	07/31/17	FL
2,6-Dinitrotoluene (2,6-DNT)	08/01/16	07/31/17	FL
2-Amino-4,6-dinitrotoluene (2-am-dnt)	08/01/16	07/31/17	FL
2-Nitrotoluene	08/01/16	07/31/17	FL
3-Nitrotoluene	08/01/16	07/31/17	FL
4-Amino-2,6-dinitrotoluene (4-am-dnt)	08/01/16	07/31/17	FL
4-Nitrotoluene	08/01/16	07/31/17	FL
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	08/01/16	07/31/17	FL
Nitrobenzene	08/01/16	07/31/17	FL
Nitroglycerin	08/01/16	07/31/17	FL
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	08/01/16	07/31/17	FL
Pentaerythritoltetranitrate	08/01/16	07/31/17	FL
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	08/01/16	07/31/17	FL

**Method EPA 8330B**

1,3,5-Trinitrobenzene (1,3,5-TNB)	08/01/16	07/31/17	FL
1,3-Dinitrobenzene (1,3-DNB)	08/01/16	07/31/17	FL
2,4,6-Trinitrotoluene (2,4,6-TNT)	08/01/16	07/31/17	FL
2,4-Dinitrotoluene (2,4-DNT)	08/01/16	07/31/17	FL
2,6-Dinitrotoluene (2,6-DNT)	08/01/16	07/31/17	FL
2-Amino-4,6-dinitrotoluene (2-am-dnt)	08/01/16	07/31/17	FL
2-Nitrotoluene	08/01/16	07/31/17	FL
3-Nitrotoluene	08/01/16	07/31/17	FL
4-Amino-2,6-dinitrotoluene (4-am-dnt)	08/01/16	07/31/17	FL
4-Nitrotoluene	08/01/16	07/31/17	FL
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	08/01/16	07/31/17	FL
Nitrobenzene	08/01/16	07/31/17	FL
Nitroglycerin	08/01/16	07/31/17	FL
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	08/01/16	07/31/17	FL
Pentaerythritoltetranitrate	08/01/16	07/31/17	FL
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	08/01/16	07/31/17	FL

**Method EPA 9012**

Total cyanide	08/01/16	07/31/17	FL
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	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Solid &amp; Hazardous Material)</b>			
<b>Method EPA 1010</b>			
Ignitability	08/01/16	07/31/17	FL
<b>Method EPA 1311</b>			
Toxicity Characteristic Leaching Procedure (TCLP)	08/01/16	07/31/17	FL
<b>Method EPA 6010C</b>			
Aluminum	08/01/16	07/31/17	FL
Antimony	08/01/16	07/31/17	FL
Arsenic	08/01/16	07/31/17	FL
Barium	08/01/16	07/31/17	FL
Beryllium	08/01/16	07/31/17	FL
Boron	08/01/16	07/31/17	FL
Cadmium	08/01/16	07/31/17	FL
Calcium	08/01/16	07/31/17	FL
Chromium	08/01/16	07/31/17	FL
Cobalt	08/01/16	07/31/17	FL
Copper	08/01/16	07/31/17	FL
Iron	08/01/16	07/31/17	FL
Lead	08/01/16	07/31/17	FL
Magnesium	08/01/16	07/31/17	FL
Manganese	08/01/16	07/31/17	FL
Molybdenum	08/01/16	07/31/17	FL
Nickel	08/01/16	07/31/17	FL
Potassium	08/01/16	07/31/17	FL
Selenium	08/01/16	07/31/17	FL
Silver	08/01/16	07/31/17	FL
Sodium	08/01/16	07/31/17	FL
Strontium	08/01/16	07/31/17	FL
Thallium	08/01/16	07/31/17	FL
Tin	08/01/16	07/31/17	FL
Titanium	08/01/16	07/31/17	FL
Vanadium	08/01/16	07/31/17	FL
Zinc	08/01/16	07/31/17	FL
<b>Method EPA 7471B</b>			
Mercury	08/01/16	07/31/17	FL
<b>Method EPA 8015B</b>			
Diesel range organics (DRO)	08/01/16	07/31/17	FL
Gasoline range organics (GRO)	08/01/16	07/31/17	FL
<b>Method EPA 8081B</b>			
4,4'-DDD	08/01/16	07/31/17	FL
4,4'-DDE	08/01/16	07/31/17	FL
4,4'-DDT	08/01/16	07/31/17	FL
Aldrin	08/01/16	07/31/17	FL
alpha-BHC (alpha-Hexachlorocyclohexane)	08/01/16	07/31/17	FL
alpha-Chlordane	08/01/16	07/31/17	FL
beta-BHC (beta-Hexachlorocyclohexane)	08/01/16	07/31/17	FL
Chlordane (tech.)	08/01/16	07/31/17	FL

Empirical Laboratories, LLC.

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Solid &amp; Hazardous Material)</b>			
delta-BHC	08/01/16	07/31/17	FL
Dieldrin	08/01/16	07/31/17	FL
Endosulfan I	08/01/16	07/31/17	FL
Endosulfan II	08/01/16	07/31/17	FL
Endosulfan sulfate	08/01/16	07/31/17	FL
Endrin	08/01/16	07/31/17	FL
Endrin aldehyde	08/01/16	07/31/17	FL
Endrin ketone	08/01/16	07/31/17	FL
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	08/01/16	07/31/17	FL
gamma-Chlordane	08/01/16	07/31/17	FL
Heptachlor	08/01/16	07/31/17	FL
Heptachlor epoxide	08/01/16	07/31/17	FL
Methoxychlor	08/01/16	07/31/17	FL
Toxaphene (Chlorinated camphene)	08/01/16	07/31/17	FL
<b>Method EPA 8082A</b>			
Aroclor-1016 (PCB-1016)	08/01/16	07/31/17	FL
Aroclor-1221 (PCB-1221)	08/01/16	07/31/17	FL
Aroclor-1232 (PCB-1232)	08/01/16	07/31/17	FL
Aroclor-1242 (PCB-1242)	08/01/16	07/31/17	FL
Aroclor-1248 (PCB-1248)	08/01/16	07/31/17	FL
Aroclor-1254 (PCB-1254)	08/01/16	07/31/17	FL
Aroclor-1260 (PCB-1260)	08/01/16	07/31/17	FL
Aroclor-1262 (PCB-1262)	08/01/16	07/31/17	FL
Aroclor-1268 (PCB-1268)	08/01/16	07/31/17	FL
PCBs	08/01/16	07/31/17	FL
<b>Method EPA 8260B</b>			
1,1,1,2-Tetrachloroethane	08/01/16	07/31/17	FL
1,1,1-Trichloroethane	08/01/16	07/31/17	FL
1,1,2,2-Tetrachloroethane	08/01/16	07/31/17	FL
1,1,2-Trichloro-1,2,2-trifluoroethane	08/01/16	07/31/17	FL
1,1,2-Trichloroethane	08/01/16	07/31/17	FL
1,1-Dichloroethane	08/01/16	07/31/17	FL
1,1-Dichloroethylene	08/01/16	07/31/17	FL
1,1-Dichloropropene	08/01/16	07/31/17	FL
1,2,3-Trichlorobenzene	08/01/16	07/31/17	FL
1,2,3-Trichloropropane	08/01/16	07/31/17	FL
1,2,4-Trichlorobenzene	08/01/16	07/31/17	FL
1,2,4-Trimethylbenzene	08/01/16	07/31/17	FL
1,2-Dibromo-3-chloropropane (DBCP)	08/01/16	07/31/17	FL
1,2-Dibromoethane (EDB, Ethylene dibromide)	08/01/16	07/31/17	FL
1,2-Dichlorobenzene (o-Dichlorobenzene)	08/01/16	07/31/17	FL
1,2-Dichloroethane (Ethylene dichloride)	08/01/16	07/31/17	FL
1,2-Dichloropropane	08/01/16	07/31/17	FL
1,3,5-Trimethylbenzene	08/01/16	07/31/17	FL
1,3-Dichlorobenzene	08/01/16	07/31/17	FL
1,3-Dichloropropane	08/01/16	07/31/17	FL
1,4-Dichlorobenzene	08/01/16	07/31/17	FL

Empirical Laboratories, LLC.

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Solid &amp; Hazardous Material)</b>			
1,4-Dioxane (1,4- Diethyleneoxide)	08/01/16	07/31/17	FL
2-Butanone (Methyl ethyl ketone, MEK)	08/01/16	07/31/17	FL
2-Chloroethyl vinyl ether	08/01/16	07/31/17	FL
2-Chlorotoluene	08/01/16	07/31/17	FL
2-Hexanone	08/01/16	07/31/17	FL
4-Chlorotoluene	08/01/16	07/31/17	FL
4-Isopropyltoluene (p-Cymene,p-Isopropyltoluene)	08/01/16	07/31/17	FL
4-Methyl-2-pentanone (MIBK)	08/01/16	07/31/17	FL
Acetone	08/01/16	07/31/17	FL
Acetonitrile	08/01/16	07/31/17	FL
Acrolein (Propenal)	08/01/16	07/31/17	FL
Acrylonitrile	08/01/16	07/31/17	FL
Allyl chloride (3-Chloropropene)	08/01/16	07/31/17	FL
Benzene	08/01/16	07/31/17	FL
Bromobenzene	08/01/16	07/31/17	FL
Bromochloromethane	08/01/16	07/31/17	FL
Bromodichloromethane	08/01/16	07/31/17	FL
Bromoform	08/01/16	07/31/17	FL
Carbon disulfide	08/01/16	07/31/17	FL
Carbon tetrachloride	08/01/16	07/31/17	FL
Chlorobenzene	08/01/16	07/31/17	FL
Chlorodibromomethane	08/01/16	07/31/17	FL
Chloroethane (Ethyl chloride)	08/01/16	07/31/17	FL
Chloroform	08/01/16	07/31/17	FL
Chloroprene (2-Chloro-1,3-butadiene)	08/01/16	07/31/17	FL
cis-1,2-Dichloroethylene	08/01/16	07/31/17	FL
cis-1,3-Dichloropropene	08/01/16	07/31/17	FL
cis-1,4-Dichloro-2-butene	08/01/16	07/31/17	FL
Cyclohexane	08/01/16	07/31/17	FL
Dibromomethane (Methylene bromide)	08/01/16	07/31/17	FL
Dichlorodifluoromethane (Freon-12)	08/01/16	07/31/17	FL
Di-isopropylether (DIPE) (Isopropyl Ether)	08/01/16	07/31/17	FL
Ethyl methacrylate	08/01/16	07/31/17	FL
Ethylbenzene	08/01/16	07/31/17	FL
Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)	08/01/16	07/31/17	FL
Hexachlorobutadiene	08/01/16	07/31/17	FL
Iodomethane (Methyl iodide)	08/01/16	07/31/17	FL
Isobutyl alcohol (2-Methyl-1-propanol)	08/01/16	07/31/17	FL
Isopropylbenzene	08/01/16	07/31/17	FL
Methacrylonitrile	08/01/16	07/31/17	FL
Methyl acetate	08/01/16	07/31/17	FL
Methyl bromide (Bromomethane)	08/01/16	07/31/17	FL
Methyl chloride (Chloromethane)	08/01/16	07/31/17	FL
Methyl methacrylate	08/01/16	07/31/17	FL
Methyl tert-butyl ether (MTBE)	08/01/16	07/31/17	FL
Methylcyclohexane	08/01/16	07/31/17	FL
Methylene chloride (Dichloromethane)	08/01/16	07/31/17	FL
m-Xylene	08/01/16	07/31/17	FL

Empirical Laboratories, LLC.

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Solid &amp; Hazardous Material)</b>			
Naphthalene	08/01/16	07/31/17	FL
n-Butylbenzene	08/01/16	07/31/17	FL
n-Hexane	08/01/16	07/31/17	FL
n-Propylbenzene	08/01/16	07/31/17	FL
o-Xylene	08/01/16	07/31/17	FL
Propionitrile (Ethyl cyanide)	08/01/16	07/31/17	FL
sec-Butylbenzene	08/01/16	07/31/17	FL
Styrene	08/01/16	07/31/17	FL
T-amylmethylether (TAME)	08/01/16	07/31/17	FL
tert-Butylbenzene	08/01/16	07/31/17	FL
Tetrachloroethylene (Perchloroethylene)	08/01/16	07/31/17	FL
Tetrahydrofuran (THF)	08/01/16	07/31/17	FL
Toluene	08/01/16	07/31/17	FL
trans-1,2-Dichloroethylene	08/01/16	07/31/17	FL
trans-1,3-Dichloropropylene	08/01/16	07/31/17	FL
trans-1,4-Dichloro-2-butene	08/01/16	07/31/17	FL
Trichloroethene (Trichloroethylene)	08/01/16	07/31/17	FL
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	08/01/16	07/31/17	FL
Vinyl acetate	08/01/16	07/31/17	FL
Vinyl chloride	08/01/16	07/31/17	FL
Xylene (total)	08/01/16	07/31/17	FL
<b>Method EPA 8260C</b>			
1,1-Dichloropropene	08/01/16	07/31/17	FL
Allyl chloride (3-Chloropropene)	08/01/16	07/31/17	FL
Chloroprene (2-Chloro-1,3-butadiene)	08/01/16	07/31/17	FL
cis-1,4-Dichloro-2-butene	08/01/16	07/31/17	FL
Di-isopropylether (DIPE) (Isopropyl Ether)	08/01/16	07/31/17	FL
Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)	08/01/16	07/31/17	FL
m-Xylene	08/01/16	07/31/17	FL
n-Hexane	08/01/16	07/31/17	FL
p-Xylene	08/01/16	07/31/17	FL
T-amylmethylether (TAME)	08/01/16	07/31/17	FL
tert-Butyl alcohol	08/01/16	07/31/17	FL
Tetrahydrofuran (THF)	08/01/16	07/31/17	FL
<b>Method EPA 8270D</b>			
1,1'-Biphenyl (BZ-0)	08/01/16	07/31/17	FL
1,2,4,5-Tetrachlorobenzene	08/01/16	07/31/17	FL
1,2,4-Trichlorobenzene	08/01/16	07/31/17	FL
1,2-Dichlorobenzene (o-Dichlorobenzene)	08/01/16	07/31/17	FL
1,2-Diphenylhydrazine	08/01/16	07/31/17	FL
1,3,5-Trinitrobenzene (1,3,5-TNB)	08/01/16	07/31/17	FL
1,3-Dichlorobenzene	08/01/16	07/31/17	FL
1,4-Dichlorobenzene	08/01/16	07/31/17	FL
1,4-Dioxane (1,4-Diethyleneoxide)	08/01/16	07/31/17	FL
1-Methylnaphthalene	08/01/16	07/31/17	FL
2,3,4,6-Tetrachlorophenol	08/01/16	07/31/17	FL
2,4,5-Trichlorophenol	08/01/16	07/31/17	FL

Empirical Laboratories, LLC.

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Solid &amp; Hazardous Material)</b>			
2,4,6-Trichlorophenol	08/01/16	07/31/17	FL
2,4-Dichlorophenol	08/01/16	07/31/17	FL
2,4-Dimethylphenol	08/01/16	07/31/17	FL
2,4-Dinitrophenol	08/01/16	07/31/17	FL
2,4-Dinitrotoluene (2,4-DNT)	08/01/16	07/31/17	FL
2,6-Dichlorophenol	08/01/16	07/31/17	FL
2,6-Dinitrotoluene (2,6-DNT)	08/01/16	07/31/17	FL
2-Chloronaphthalene	08/01/16	07/31/17	FL
2-Chlorophenol	08/01/16	07/31/17	FL
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	08/01/16	07/31/17	FL
2-Methylnaphthalene	08/01/16	07/31/17	FL
2-Methylphenol (o-Cresol)	08/01/16	07/31/17	FL
2-Nitroaniline	08/01/16	07/31/17	FL
2-Nitrophenol	08/01/16	07/31/17	FL
3,3'-Dichlorobenzidine	08/01/16	07/31/17	FL
3-Methylphenol (m-Cresol)	08/01/16	07/31/17	FL
3-Nitroaniline	08/01/16	07/31/17	FL
4-Bromophenyl phenyl ether	08/01/16	07/31/17	FL
4-Chloro-3-methylphenol	08/01/16	07/31/17	FL
4-Chloroaniline	08/01/16	07/31/17	FL
4-Chlorophenyl phenylether	08/01/16	07/31/17	FL
4-Methylphenol (p-Cresol)	08/01/16	07/31/17	FL
4-Nitroaniline	08/01/16	07/31/17	FL
4-Nitrophenol	08/01/16	07/31/17	FL
Acenaphthene	08/01/16	07/31/17	FL
Acenaphthylene	08/01/16	07/31/17	FL
Acetophenone	08/01/16	07/31/17	FL
Aniline	08/01/16	07/31/17	FL
Anthracene	08/01/16	07/31/17	FL
Atrazine	08/01/16	07/31/17	FL
Benzaldehyde	08/01/16	07/31/17	FL
Benzidine	08/01/16	07/31/17	FL
Benzo(a)anthracene	08/01/16	07/31/17	FL
Benzo(a)pyrene	08/01/16	07/31/17	FL
Benzo(b)fluoranthene	08/01/16	07/31/17	FL
Benzo(g,h,i)perylene	08/01/16	07/31/17	FL
Benzo(k)fluoranthene	08/01/16	07/31/17	FL
Benzoic acid	08/01/16	07/31/17	FL
Benzyl alcohol	08/01/16	07/31/17	FL
bis(2-Chloroethoxy)methane	08/01/16	07/31/17	FL
bis(2-Chloroethyl) ether	08/01/16	07/31/17	FL
bis(2-Chloroisopropyl) ether	08/01/16	07/31/17	FL
Butyl benzyl phthalate	08/01/16	07/31/17	FL
Caprolactam	08/01/16	07/31/17	FL
Carbazole	08/01/16	07/31/17	FL
Chrysene	08/01/16	07/31/17	FL
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	08/01/16	07/31/17	FL
Dibenz(a,h) anthracene	08/01/16	07/31/17	FL

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Solid &amp; Hazardous Material)</b>			
Dibenzofuran	08/01/16	07/31/17	FL
Diethyl phthalate	08/01/16	07/31/17	FL
Dimethyl phthalate	08/01/16	07/31/17	FL
Di-n-butyl phthalate	08/01/16	07/31/17	FL
Di-n-octyl phthalate	08/01/16	07/31/17	FL
Fluoranthene	08/01/16	07/31/17	FL
Fluorene	08/01/16	07/31/17	FL
Hexachlorobenzene	08/01/16	07/31/17	FL
Hexachlorobutadiene	08/01/16	07/31/17	FL
Hexachlorocyclopentadiene	08/01/16	07/31/17	FL
Hexachloroethane	08/01/16	07/31/17	FL
Indeno(1,2,3-cd) pyrene	08/01/16	07/31/17	FL
Isophorone	08/01/16	07/31/17	FL
Naphthalene	08/01/16	07/31/17	FL
Nitrobenzene	08/01/16	07/31/17	FL
n-Nitrosodimethylamine	08/01/16	07/31/17	FL
n-Nitrosodi-n-propylamine	08/01/16	07/31/17	FL
n-Nitrosodiphenylamine	08/01/16	07/31/17	FL
Pentachlorophenol	08/01/16	07/31/17	FL
Phenanthrene	08/01/16	07/31/17	FL
Phenol	08/01/16	07/31/17	FL
Pyrene	08/01/16	07/31/17	FL
Pyridine	08/01/16	07/31/17	FL
<b>Method EPA 8330A</b>			
1,3,5-Trinitrobenzene (1,3,5-TNB)	08/01/16	07/31/17	FL
1,3-Dinitrobenzene (1,3-DNB)	08/01/16	07/31/17	FL
2,4,6-Trinitrotoluene (2,4,6-TNT)	08/01/16	07/31/17	FL
2,4-Dinitrotoluene (2,4-DNT)	08/01/16	07/31/17	FL
2,6-Dinitrotoluene (2,6-DNT)	08/01/16	07/31/17	FL
2-Amino-4,6-dinitrotoluene (2-am-dnt)	08/01/16	07/31/17	FL
2-Nitrotoluene	08/01/16	07/31/17	FL
3-Nitrotoluene	08/01/16	07/31/17	FL
4-Amino-2,6-dinitrotoluene (4-am-dnt)	08/01/16	07/31/17	FL
4-Nitrotoluene	08/01/16	07/31/17	FL
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	08/01/16	07/31/17	FL
Nitrobenzene	08/01/16	07/31/17	FL
Nitroglycerin	08/01/16	07/31/17	FL
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	08/01/16	07/31/17	FL
Pentaerythritoltetranitrate	08/01/16	07/31/17	FL
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	08/01/16	07/31/17	FL
<b>Method EPA 8330B</b>			
1,3,5-Trinitrobenzene (1,3,5-TNB)	08/01/16	07/31/17	FL
1,3-Dinitrobenzene (1,3-DNB)	08/01/16	07/31/17	FL
2,4,6-Trinitrotoluene (2,4,6-TNT)	08/01/16	07/31/17	FL
2,4-Dinitrotoluene (2,4-DNT)	08/01/16	07/31/17	FL
2,6-Dinitrotoluene (2,6-DNT)	08/01/16	07/31/17	FL
2-Amino-4,6-dinitrotoluene (2-am-dnt)	08/01/16	07/31/17	FL

Empirical Laboratories, LLC.

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

2-Nitrotoluene	08/01/16	07/31/17	FL
3-Nitrotoluene	08/01/16	07/31/17	FL
4-Amino-2,6-dinitrotoluene (4-am-dnt)	08/01/16	07/31/17	FL
4-Nitrotoluene	08/01/16	07/31/17	FL
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	08/01/16	07/31/17	FL
Nitrobenzene	08/01/16	07/31/17	FL
Nitroglycerin	08/01/16	07/31/17	FL
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	08/01/16	07/31/17	FL
Pentaerythritoltetranitrate	08/01/16	07/31/17	FL
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	08/01/16	07/31/17	FL

**Method EPA 9012**

Total cyanide	08/01/16	07/31/17	FL
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**Method EPA 9095**

Free liquid	08/01/16	07/31/17	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.