

# State of Utah

Department of Health and Human Services  
Environmental Laboratory Certification Program

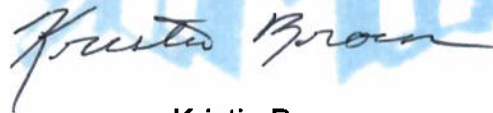
*Accreditation is hereby granted to*

Southwest Research Institute

6220 Culebra Road  
San Antonio, TX 78238

*Has conformed with the  
2016 TNI Standard  
Scope of accreditation is limited to the  
State of Utah accredited fields that accompany  
this Certificate*

EPA Number: TX00046  
Expiration Date: 5/31/2025  
Certificate Number: TX000462024-13



Kristin Brown  
Program Manager

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





State of Utah  
 SPENCER J. COX  
 Governor  
 DEIDRE HENDERSON  
 Lieutenant Governor

Department of Health Human Services

TRACY S. GRUBER

Executive Director

NATE CHECKETTS

Deputy Director

DR. MICHELLE HOFMANN

Executive Medical Director

DAVID LITVAK

Deputy Director

NATE WINTERS

Deputy Director



EPA Number: **TX00046**

Attachment to Certificate Number: **TX000462024-13**

Page 1 of 16

Southwest Research Institute

Start Date Expires AB

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

Method	Year	Method Code	Start Date	Expires	AB
<b>Method EPA 120.1</b> Conductivity	1982	10006403	06/01/18	05/31/25	TX
<b>Method EPA 150.1</b> pH	1982	10008409	06/01/18	05/31/25	TX
<b>Method EPA 160.1</b> Residue-filterable (TDS)	1971	10009208	06/01/18	05/31/25	TX
<b>Method EPA 160.2</b> Residue-nonfilterable (TSS)	1971	10009606	06/01/18	05/31/25	TX
<b>Method EPA 1664A</b> n-Hexane Extractable Material (O&G)	Revision: 1 Year: 1999	Method Code: 10127807	06/01/18	05/31/25	TX
<b>Method EPA 300.0</b> Nitrate plus Nitrite as N	Revision: 2.1 Year: 1993	Method Code: 10053200	06/01/18	05/31/25	TX
Bromide			06/01/18	05/31/25	TX
Chloride			06/01/18	05/31/25	TX
Fluoride			06/01/18	05/31/25	TX
Nitrate as N			06/01/18	05/31/25	TX
Nitrite as N			06/01/18	05/31/25	TX
Orthophosphate as P			06/01/18	05/31/25	TX
Sulfate			06/01/18	05/31/25	TX
<b>Method EPA 310.1</b> Alkalinity as CaCO3	Year: 1978	Method Code: 10054805	06/01/18	05/31/25	TX
<b>Method EPA 335.1</b> Total cyanide	Year: 1974	Method Code: 10060001	06/01/18	05/31/25	TX
<b>Method EPA 335.2</b> Total cyanide	Year: 1980	Method Code: 10060409	06/01/18	05/31/25	TX
<b>Method EPA 335.4</b> Total cyanide	Revision: 1 Year: 1993	Method Code: 10061402	06/01/18	05/31/25	TX
<b>Method EPA 340.2</b> Fluoride	Year: 1974	Method Code: 10062201	06/01/18	05/31/25	TX
<b>Method EPA 376.1</b> Sulfide	Year: 1978	Method Code: 10074201	06/01/18	05/31/25	TX
<b>Method EPA 415.1</b> Total organic carbon	Year: 1974	Method Code: 10078407	06/01/18	05/31/25	TX
<b>Method SM 2320 B-1997</b> Alkalinity as CaCO3	Revision: 20th ED Year: 1997	Method Code: 20045209	06/01/18	05/31/25	TX

Start Date Expires AB

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

<b>Method SM 2340 B-2011</b> Total hardness as CaCO <sub>3</sub>	<b>Year: 2011 Method Code: 20046611</b> 06/01/18 05/31/25 TX
<b>Method SM 2510 B-2011</b> Conductivity	<b>Year: 2011 Method Code: 20048617</b> 06/01/18 05/31/25 TX
<b>Method SM 2540 C-2011</b> Residue-filterable (TDS)	<b>Year: 2011 Method Code: 20050413</b> 06/01/18 05/31/25 TX
<b>Method SM 2540 D-1997</b> Residue-nonfilterable (TSS)	<b>Revision: 20th ED Year: 1997 Method Code: 20050800</b> 06/01/18 05/31/25 TX
<b>Method SM 7110 B (GPC)</b> Gross-alpha Gross-beta	<b>Revision: 20th ED Method Code: 20156609</b> 06/01/18 05/31/25 TX 06/01/18 05/31/25 TX

Southwest Research Institute

Start Date Expires AB

**Program/Matrix: RCRA (Non Potable Water)****Method EPA 1010****Year: (9/86) Method Code: 10116606**

Ignitability

06/01/18 05/31/25 TX

**Method EPA 1311****Revision: 1 Year: 1992 Method Code: 10118806**

Toxicity Characteristic Leaching Procedure (TCLP)

06/01/18 05/31/25 TX

**Method EPA 1312 Synthetic Precipitation Leaching Procedure****Revision: 2 Year: 1994 Method Code: 10119003**

Synthetic Precipitation Leaching Procedure (SPLP)

06/01/18 05/31/25 TX

**Method EPA 6010D****Revision: VI Year: 2018 Method Code: 10155950**

Aluminum

05/07/24 TX

Antimony

05/07/24 TX

Arsenic

05/07/24 TX

Barium

05/07/24 TX

Beryllium

05/07/24 TX

Boron

05/07/24 TX

Cadmium

05/07/24 TX

Calcium

05/07/24 TX

Chromium

05/07/24 TX

Cobalt

05/07/24 TX

Copper

05/07/24 TX

Iron

05/07/24 TX

Lead

05/07/24 TX

Lithium

05/07/24 TX

Magnesium

05/07/24 TX

Manganese

05/07/24 TX

Molybdenum

05/07/24 TX

Nickel

05/07/24 TX

Phosphorus, total

05/07/24 TX

Potassium

05/07/24 TX

Selenium

05/07/24 TX

Silica as SiO<sub>2</sub>

05/07/24 TX

Silver

05/07/24 TX

Sodium

05/07/24 TX

Strontium

05/07/24 TX

Thallium

05/07/24 TX

Tin

05/07/24 TX

Titanium

05/07/24 TX

Vanadium

05/07/24 TX

Zinc

05/07/24 TX

**Method EPA 6020B****Revision: V Year: 2014 Method Code: 10156420**

Aluminum

05/07/24 TX

Antimony

05/07/24 TX

Arsenic

05/07/24 TX

Barium

05/07/24 TX

Beryllium

05/07/24 TX

Cadmium

05/07/24 TX

Chromium

05/07/24 TX

Cobalt

05/07/24 TX

Copper

05/07/24 TX

Southwest Research Institute

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Non Potable Water)</b>			
Lead	05/07/24		TX
Manganese	05/07/24		TX
Molybdenum	05/07/24		TX
Nickel	05/07/24		TX
Palladium	05/07/24		TX
Selenium	05/07/24		TX
Silver	05/07/24		TX
Thallium	05/07/24		TX
Vanadium	05/07/24		TX
Zinc	05/07/24		TX
Zirconium	05/07/24		TX
<b>Method EPA 7470A</b>	<b>Revision: 2</b>	<b>Year: 1994</b>	<b>Method Code: 10165807</b>
Mercury	06/01/18	05/31/25	TX
<b>Method EPA 8082A</b>	<b>Year: 2007</b>	<b>Method Code: 10179358</b>	
Aroclor-1016 (PCB-1016)	05/07/24		TX
Aroclor-1221 (PCB-1221)	05/07/24		TX
Aroclor-1232 (PCB-1232)	05/07/24		TX
Aroclor-1242 (PCB-1242)	05/07/24		TX
Aroclor-1248 (PCB-1248)	05/07/24		TX
Aroclor-1254 (PCB-1254)	05/07/24		TX
Aroclor-1260 (PCB-1260)	05/07/24		TX
<b>Method EPA 8260D</b>	<b>Year: 2018</b>	<b>Method Code: 10307127</b>	
1,1,1,2-Tetrachloroethane	05/07/24		TX
1,1,1-Trichloroethane	05/07/24		TX
1,1,2,2-Tetrachloroethane	05/07/24		TX
1,1,2-Trichloroethane	05/07/24		TX
1,1-Dichloroethane	05/07/24		TX
1,1-Dichloroethylene	05/07/24		TX
1,1-Dichloropropene	05/07/24		TX
1,2,3-Trichlorobenzene	05/07/24		TX
1,2,3-Trichloropropane	05/07/24		TX
1,2,4-Trichlorobenzene	05/07/24		TX
1,2,4-Trimethylbenzene	05/07/24		TX
1,2-Dibromo-3-chloropropane (DBCP)	05/07/24		TX
1,2-Dibromoethane (EDB, Ethylene dibromide)	05/07/24		TX
1,2-Dichlorobenzene (o-Dichlorobenzene)	05/07/24		TX
1,2-Dichloroethane (Ethylene dichloride)	05/07/24		TX
1,2-Dichloropropane	05/07/24		TX
1,3,5-Trimethylbenzene	05/07/24		TX
1,3-Dichlorobenzene	05/07/24		TX
1,3-Dichloropropane	05/07/24		TX
1,4-Dichlorobenzene	05/07/24		TX
2-Butanone (Methyl ethyl ketone, MEK)	05/07/24		TX
2-Chlorotoluene	05/07/24		TX
2-Hexanone	05/07/24		TX
4-Chlorotoluene	05/07/24		TX
4-Methyl-2-pentanone (MIBK)	05/07/24		TX
Acetone	05/07/24		TX

Southwest Research Institute

Start Date Expires AB

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

Benzene	05/07/24	TX
Bromobenzene	05/07/24	TX
Bromochloromethane	05/07/24	TX
Bromodichloromethane	05/07/24	TX
Bromoform	05/07/24	TX
Carbon disulfide	05/07/24	TX
Carbon tetrachloride	05/07/24	TX
Chlorobenzene	05/07/24	TX
Chlorodibromomethane	05/07/24	TX
Chloroethane (Ethyl chloride)	05/07/24	TX
Chloroform	05/07/24	TX
cis-1,2-Dichloroethylene	05/07/24	TX
cis-1,3-Dichloropropene	05/07/24	TX
Dibromomethane (Methylene bromide)	05/07/24	TX
Dichlorodifluoromethane (Freon-12)	05/07/24	TX
Diethyl ether	05/07/24	TX
Ethyl methacrylate	05/07/24	TX
Ethylbenzene	05/07/24	TX
Hexachlorobutadiene	05/07/24	TX
Iodomethane (Methyl iodide)	05/07/24	TX
Isobutyl alcohol (2-Methyl-1-propanol)	05/07/24	TX
Isopropylbenzene	05/07/24	TX
Methacrylonitrile	05/07/24	TX
Methyl methacrylate	05/07/24	TX
Methyl tert-butyl ether (MTBE)	05/07/24	TX
Methylene chloride (Dichloromethane)	05/07/24	TX
m-Xylene	05/07/24	TX
Naphthalene	05/07/24	TX
n-Butylbenzene	05/07/24	TX
n-Propylbenzene	05/07/24	TX
o-Xylene	05/07/24	TX
Paraldehyde	05/07/24	TX
Propionitrile (Ethyl cyanide)	05/07/24	TX
p-Xylene	05/07/24	TX
sec-Butylbenzene	05/07/24	TX
Styrene	05/07/24	TX
tert-Butylbenzene	05/07/24	TX
Tetrachloroethylene (Perchloroethylene)	05/07/24	TX
Toluene	05/07/24	TX
trans-1,2-Dichloroethylene	05/07/24	TX
trans-1,3-Dichloropropylene	05/07/24	TX
trans-1,4-Dichloro-2-butene	05/07/24	TX
Trichloroethene (Trichloroethylene)	05/07/24	TX
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	05/07/24	TX
Vinyl acetate	05/07/24	TX
Vinyl chloride (chloroethene)	05/07/24	TX
Xylene (total)	05/07/24	TX

Method EPA 8270E

Revision: VI Year: 2018 Method Code: 10242543

Southwest Research Institute

Start Date Expires AB

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

	Start Date	Expires	AB
1,2,4,5-Tetrachlorobenzene	05/07/24		TX
1,2,4-Trichlorobenzene	05/07/24		TX
1,2-Dichlorobenzene (o-Dichlorobenzene)	05/07/24		TX
1,3-Dichlorobenzene	05/07/24		TX
1,4-Dichlorobenzene	05/07/24		TX
1,4-Dinitrobenzene	05/07/24		TX
1-Chloronaphthalene	05/07/24		TX
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	05/07/24		TX
2,3,4,6-Tetrachlorophenol	05/07/24		TX
2,4,5-Trichlorophenol	05/07/24		TX
2,4,6-Trichlorophenol	05/07/24		TX
2,4-Dichlorophenol	05/07/24		TX
2,4-Dimethylphenol	05/07/24		TX
2,4-Dinitrophenol	05/07/24		TX
2,4-Dinitrotoluene (2,4-DNT)	05/07/24		TX
2,6-Dichlorophenol	05/07/24		TX
2,6-Dinitrotoluene (2,6-DNT)	05/07/24		TX
2-Chlorophenol	05/07/24		TX
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	05/07/24		TX
2-Methylnaphthalene	05/07/24		TX
2-Methylphenol (o-Cresol)	05/07/24		TX
2-Nitroaniline	05/07/24		TX
2-Nitrophenol	05/07/24		TX
3,3'-Dichlorobenzidine	05/07/24		TX
3-Methylphenol (m-Cresol)	05/07/24		TX
3-Nitroaniline	05/07/24		TX
4-Bromophenyl phenyl ether	05/07/24		TX
4-Chloro-3-methylphenol	05/07/24		TX
4-Chloroaniline	05/07/24		TX
4-Chlorophenyl phenylether	05/07/24		TX
4-Methylphenol (p-Cresol)	05/07/24		TX
4-Nitroaniline	05/07/24		TX
4-Nitrophenol	05/07/24		TX
Acenaphthene	05/07/24		TX
Acenaphthylene	05/07/24		TX
Acetophenone	05/07/24		TX
Aniline	05/07/24		TX
Anthracene	05/07/24		TX
Benzo(a)anthracene	05/07/24		TX
Benzo(a)pyrene	05/07/24		TX
Benzo(b)fluoranthene	05/07/24		TX
Benzo(g,h,i)perylene	05/07/24		TX
Benzo(k)fluoranthene	05/07/24		TX
Benzoic acid	05/07/24		TX
Benzyl alcohol	05/07/24		TX
bis(2-Chloroethoxy)methane	05/07/24		TX
bis(2-Chloroethyl) ether	05/07/24		TX
Butyl benzyl phthalate	05/07/24		TX

Southwest Research Institute

Start Date Expires AB

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

Carbazole	05/07/24	TX
Chrysene	05/07/24	TX
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	05/07/24	TX
Dibenz(a,h) anthracene	05/07/24	TX
Dibenzofuran	05/07/24	TX
Diethyl phthalate	05/07/24	TX
Dimethyl phthalate	05/07/24	TX
Di-n-butyl phthalate	05/07/24	TX
Di-n-octyl phthalate	05/07/24	TX
Diphenylamine	05/07/24	TX
Fluoranthene	05/07/24	TX
Fluorene	05/07/24	TX
Hexachlorobenzene	05/07/24	TX
Hexachlorobutadiene	05/07/24	TX
Hexachlorocyclopentadiene	05/07/24	TX
Hexachloroethane	05/07/24	TX
Hexachloropropene	05/07/24	TX
Indeno(1,2,3-cd) pyrene	05/07/24	TX
Isosafrole	05/07/24	TX
Naphthalene	05/07/24	TX
Nitrobenzene	05/07/24	TX
n-Nitrosodiethylamine	05/07/24	TX
n-Nitroso-di-n-butylamine	05/07/24	TX
n-Nitrosodi-n-propylamine	05/07/24	TX
n-Nitrosodiphenylamine	05/07/24	TX
Pentachlorobenzene	05/07/24	TX
Pentachlorophenol	05/07/24	TX
Phenanthrene	05/07/24	TX
Phenol	05/07/24	TX
Pyrene	05/07/24	TX
Pyridine	05/07/24	TX

**Method EPA 8280****Year: (9/86) Method Code: 10186604**

1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	06/01/18	05/31/25	TX
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	06/01/18	05/31/25	TX
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	06/01/18	05/31/25	TX
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	06/01/18	05/31/25	TX
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	06/01/18	05/31/25	TX
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	06/01/18	05/31/25	TX
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	06/01/18	05/31/25	TX
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	06/01/18	05/31/25	TX
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	06/01/18	05/31/25	TX
1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	06/01/18	05/31/25	TX
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	06/01/18	05/31/25	TX
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	06/01/18	05/31/25	TX
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	06/01/18	05/31/25	TX
2,3,4,6,7,8-Hexachlorodibenzofuran	06/01/18	05/31/25	TX
2,3,4,7,8-Pentachlorodibenzofuran	06/01/18	05/31/25	TX
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	06/01/18	05/31/25	TX



Southwest Research Institute

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Non Potable Water)</b>			
2,3,7,8-Tetrachlorodibenzofuran	06/01/18	05/31/25	TX
Hpcdd, total	06/01/18	05/31/25	TX
Hpcdf, total	06/01/18	05/31/25	TX
Hxcdd, total	06/01/18	05/31/25	TX
Hxcdf, total	06/01/18	05/31/25	TX
Pecdd, total	06/01/18	05/31/25	TX
Pecdf, total	06/01/18	05/31/25	TX
TCDD, total	06/01/18	05/31/25	TX
TCDF, total	06/01/18	05/31/25	TX
<b>Method EPA 8290A</b>	<b>Year: 1998</b>	<b>Method Code: 10187403</b>	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	05/07/24		TX
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	05/07/24		TX
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	05/07/24		TX
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	05/07/24		TX
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	05/07/24		TX
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	05/07/24		TX
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	05/07/24		TX
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	05/07/24		TX
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	05/07/24		TX
1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	05/07/24		TX
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	05/07/24		TX
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	05/07/24		TX
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	05/07/24		TX
2,3,4,6,7,8-Hexachlorodibenzofuran	05/07/24		TX
2,3,4,7,8-Pentachlorodibenzofuran	05/07/24		TX
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)	05/07/24		TX
2,3,7,8-Tetrachlorodibenzofuran	05/07/24		TX
Hpcdd, total	05/07/24		TX
Hpcdf, total	05/07/24		TX
Hxcdd, total	05/07/24		TX
Pecdd, total	05/07/24		TX
Pecdf, total	05/07/24		TX
TCDD, total	05/07/24		TX
TCDF, total	05/07/24		TX
<b>Method EPA 8330A</b>	<b>Year: (1/98)</b>	<b>Method Code: 10190008</b>	
1,3,5-Trinitrobenzene (1,3,5-TNB)	05/07/24		TX
1,3-Dinitrobenzene (1,3-DNB)	05/07/24		TX
2,4,6-Trinitrotoluene (2,4,6-TNT)	05/07/24		TX
2,4-Dinitrotoluene (2,4-DNT)	05/07/24		TX
2,6-Dinitrotoluene (2,6-DNT)	05/07/24		TX
2-Amino-4,6-dinitrotoluene (2-am-dnt)	05/07/24		TX
2-Nitrotoluene	05/07/24		TX
3-Nitrotoluene	05/07/24		TX
4-Amino-2,6-dinitrotoluene (4-am-dnt)	05/07/24		TX
4-Nitrotoluene	05/07/24		TX
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	05/07/24		TX
Nitrobenzene	05/07/24		TX
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	05/07/24		TX

Southwest Research Institute

Start Date Expires AB

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

RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	05/07/24		TX
<b>Method EPA 9012B</b>	<b>Year: 1996</b>	<b>Method Code: 10243206</b>	
Amenable cyanide	05/07/24		TX
Total cyanide	05/07/24		TX
<b>Method EPA 9014</b>	<b>Revision: 0</b>	<b>Year: 1996</b>	<b>Method Code: 10193803</b>
Cyanide	06/01/18	05/31/25	TX
<b>Method EPA 9040C</b>	<b>Year: 2004</b>	<b>Method Code: 10244403</b>	
pH	05/07/24		TX
<b>Method EPA 9050</b>	<b>Year: 1986</b>	<b>Method Code: 10198604</b>	
Conductivity	06/01/18	05/31/25	TX
<b>Method EPA 9056A</b>	<b>Year: 2007</b>	<b>Method Code: 10199607</b>	
Bromide	05/07/24		TX
Chloride	05/07/24		TX
Fluoride	05/07/24		TX
Nitrate as N	05/07/24		TX
Orthophosphate as P	05/07/24		TX
Sulfate	05/07/24		TX
<b>Method EPA 9060</b>	<b>Revision: 0</b>	<b>Year: 1986</b>	<b>Method Code: 10200201</b>
Total organic carbon	06/01/18	05/31/25	TX

Southwest Research Institute

Start Date Expires AB

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

Method	Year	Method Code
<b>Method EPA 1010</b>	<b>Year: (9/86)</b>	<b>Method Code: 10116606</b>
Ignitability	06/01/18	05/31/25 TX
<b>Method EPA 1030</b>	<b>Revision: 0 Year: 1996</b>	<b>Method Code: 10117201</b>
Ignitability	06/01/18	05/31/25 TX
<b>Method EPA 1311</b>	<b>Revision: 1 Year: 1992</b>	<b>Method Code: 10118806</b>
Toxicity Characteristic Leaching Procedure (TCLP)	06/01/18	05/31/25 TX
<b>Method EPA 1312 Synthetic Precipitation Leaching Procedure</b>	<b>Revision: 2 Year: 1994</b>	<b>Method Code: 10119003</b>
Synthetic Precipitation Leaching Procedure (SPLP)	06/01/18	05/31/25 TX
<b>Method EPA 6010D</b>	<b>Revision: VI Year: 2018</b>	<b>Method Code: 10155950</b>
Antimony	05/07/24	TX
Arsenic	05/07/24	TX
Barium	05/07/24	TX
Beryllium	05/07/24	TX
Boron	05/07/24	TX
Cadmium	05/07/24	TX
Calcium	05/07/24	TX
Chromium	05/07/24	TX
Cobalt	05/07/24	TX
Copper	05/07/24	TX
Iron	05/07/24	TX
Lead	05/07/24	TX
Lithium	05/07/24	TX
Magnesium	05/07/24	TX
Manganese	05/07/24	TX
Molybdenum	05/07/24	TX
Nickel	05/07/24	TX
Phosphorus, total	05/07/24	TX
Potassium	05/07/24	TX
Selenium	05/07/24	TX
Silica as SiO <sub>2</sub>	05/07/24	TX
Silver	05/07/24	TX
Sodium	05/07/24	TX
Strontium	05/07/24	TX
Thallium	05/07/24	TX
Tin	05/07/24	TX
Titanium	05/07/24	TX
Vanadium	05/07/24	TX
Zinc	05/07/24	TX
<b>Method EPA 6020B</b>	<b>Revision: V Year: 2014</b>	<b>Method Code: 10156420</b>
Aluminum	05/07/24	TX
Antimony	05/07/24	TX
Arsenic	05/07/24	TX
Barium	05/07/24	TX
Beryllium	05/07/24	TX
Cadmium	05/07/24	TX
Chromium	05/07/24	TX
Cobalt	05/07/24	TX

Southwest Research Institute

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Solid &amp; Hazardous Material)</b>			
Copper	05/07/24		TX
Lead	05/07/24		TX
Manganese	05/07/24		TX
Molybdenum	05/07/24		TX
Nickel	05/07/24		TX
Palladium	05/07/24		TX
Selenium	05/07/24		TX
Silver	05/07/24		TX
Thallium	05/07/24		TX
Vanadium	05/07/24		TX
Zinc	05/07/24		TX
Zirconium	05/07/24		TX
<b>Method EPA 7471B</b>	<b>Year: (1/98)</b>	<b>Method Code: 10166402</b>	
Mercury	05/07/24		TX
<b>Method EPA 8082A</b>	<b>Year: 2007</b>	<b>Method Code: 10179358</b>	
Aroclor-1016 (PCB-1016)	05/07/24		TX
Aroclor-1221 (PCB-1221)	05/07/24		TX
Aroclor-1232 (PCB-1232)	05/07/24		TX
Aroclor-1242 (PCB-1242)	05/07/24		TX
Aroclor-1248 (PCB-1248)	05/07/24		TX
Aroclor-1254 (PCB-1254)	05/07/24		TX
Aroclor-1260 (PCB-1260)	05/07/24		TX
<b>Method EPA 8260D</b>	<b>Year: 2018</b>	<b>Method Code: 10307127</b>	
1,1,1,2-Tetrachloroethane	05/07/24		TX
1,1,1-Trichloroethane	05/07/24		TX
1,1,2,2-Tetrachloroethane	05/07/24		TX
1,1,2-Trichloroethane	05/07/24		TX
1,1-Dichloroethane	05/07/24		TX
1,1-Dichloroethylene	05/07/24		TX
1,1-Dichloropropene	05/07/24		TX
1,2,3-Trichlorobenzene	05/07/24		TX
1,2,3-Trichloropropane	05/07/24		TX
1,2,4-Trichlorobenzene	05/07/24		TX
1,2,4-Trimethylbenzene	05/07/24		TX
1,2-Dibromo-3-chloropropane (DBCP)	05/07/24		TX
1,2-Dibromoethane (EDB, Ethylene dibromide)	05/07/24		TX
1,2-Dichlorobenzene (o-Dichlorobenzene)	05/07/24		TX
1,2-Dichloroethane (Ethylene dichloride)	05/07/24		TX
1,2-Dichloropropane	05/07/24		TX
1,3,5-Trimethylbenzene	05/07/24		TX
1,3-Dichlorobenzene	05/07/24		TX
1,3-Dichloropropane	05/07/24		TX
1,4-Dichlorobenzene	05/07/24		TX
2-Butanone (Methyl ethyl ketone, MEK)	05/07/24		TX
2-Chlorotoluene	05/07/24		TX
2-Hexanone	05/07/24		TX
4-Chlorotoluene	05/07/24		TX
4-Methyl-2-pentanone (MIBK)	05/07/24		TX

Southwest Research Institute

Start Date Expires AB

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

Acetone	05/07/24	TX
Benzene	05/07/24	TX
Bromobenzene	05/07/24	TX
Bromochloromethane	05/07/24	TX
Bromodichloromethane	05/07/24	TX
Bromoform	05/07/24	TX
Carbon disulfide	05/07/24	TX
Carbon tetrachloride	05/07/24	TX
Chlorobenzene	05/07/24	TX
Chlorodibromomethane	05/07/24	TX
Chloroethane (Ethyl chloride)	05/07/24	TX
Chloroform	05/07/24	TX
cis-1,2-Dichloroethylene	05/07/24	TX
cis-1,3-Dichloropropene	05/07/24	TX
Dibromomethane (Methylene bromide)	05/07/24	TX
Dichlorodifluoromethane (Freon-12)	05/07/24	TX
Diethyl ether	05/07/24	TX
Ethyl methacrylate	05/07/24	TX
Ethylbenzene	05/07/24	TX
Hexachlorobutadiene	05/07/24	TX
Iodomethane (Methyl iodide)	05/07/24	TX
Isobutyl alcohol (2-Methyl-1-propanol)	05/07/24	TX
Isopropylbenzene	05/07/24	TX
Methacrylonitrile	05/07/24	TX
Methyl methacrylate	05/07/24	TX
Methyl tert-butyl ether (MTBE)	05/07/24	TX
Methylene chloride (Dichloromethane)	05/07/24	TX
m-Xylene	05/07/24	TX
Naphthalene	05/07/24	TX
n-Butylbenzene	05/07/24	TX
n-Propylbenzene	05/07/24	TX
o-Xylene	05/07/24	TX
Paraaldehyde	05/07/24	TX
Propionitrile (Ethyl cyanide)	05/07/24	TX
p-Xylene	05/07/24	TX
sec-Butylbenzene	05/07/24	TX
Styrene	05/07/24	TX
tert-Butylbenzene	05/07/24	TX
Tetrachloroethylene (Perchloroethylene)	05/07/24	TX
Toluene	05/07/24	TX
trans-1,2-Dichloroethylene	05/07/24	TX
trans-1,3-Dichloropropylene	05/07/24	TX
trans-1,4-Dichloro-2-butene	05/07/24	TX
Trichloroethene (Trichloroethylene)	05/07/24	TX
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	05/07/24	TX
Vinyl acetate	05/07/24	TX
Vinyl chloride (chloroethene)	05/07/24	TX
Xylene (total)	05/07/24	TX

Southwest Research Institute

Start Date Expires AB

Program/Matrix: RCRA (Solid &amp; Hazardous Material)

Method EPA 8270E

Revision: VI Year: 2018 Method Code: 10242543

1,2,4,5-Tetrachlorobenzene	05/07/24	TX
1,2,4-Trichlorobenzene	05/07/24	TX
1,2-Dichlorobenzene (o-Dichlorobenzene)	05/07/24	TX
1,3-Dichlorobenzene	05/07/24	TX
1,4-Dichlorobenzene	05/07/24	TX
1,4-Dinitrobenzene	05/07/24	TX
1-Chloronaphthalene	05/07/24	TX
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	05/07/24	TX
2,3,4,6-Tetrachlorophenol	05/07/24	TX
2,4,5-Trichlorophenol	05/07/24	TX
2,4,6-Trichlorophenol	05/07/24	TX
2,4-Dichlorophenol	05/07/24	TX
2,4-Dimethylphenol	05/07/24	TX
2,4-Dinitrophenol	05/07/24	TX
2,4-Dinitrotoluene (2,4-DNT)	05/07/24	TX
2,6-Dichlorophenol	05/07/24	TX
2,6-Dinitrotoluene (2,6-DNT)	05/07/24	TX
2-Chlorophenol	05/07/24	TX
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	05/07/24	TX
2-Methylnaphthalene	05/07/24	TX
2-Methylphenol (o-Cresol)	05/07/24	TX
2-Nitroaniline	05/07/24	TX
2-Nitrophenol	05/07/24	TX
3,3'-Dichlorobenzidine	05/07/24	TX
3-Methylphenol (m-Cresol)	05/07/24	TX
3-Nitroaniline	05/07/24	TX
4-Bromophenyl phenyl ether	05/07/24	TX
4-Chloro-3-methylphenol	05/07/24	TX
4-Chloroaniline	05/07/24	TX
4-Chlorophenyl phenylether	05/07/24	TX
4-Methylphenol (p-Cresol)	05/07/24	TX
4-Nitroaniline	05/07/24	TX
4-Nitrophenol	05/07/24	TX
Acenaphthene	05/07/24	TX
Acenaphthylene	05/07/24	TX
Acetophenone	05/07/24	TX
Aniline	05/07/24	TX
Anthracene	05/07/24	TX
Benzo(a)anthracene	05/07/24	TX
Benzo(a)pyrene	05/07/24	TX
Benzo(b)fluoranthene	05/07/24	TX
Benzo(g,h,i)perylene	05/07/24	TX
Benzo(k)fluoranthene	05/07/24	TX
Benzoic acid	05/07/24	TX
Benzyl alcohol	05/07/24	TX
bis(2-Chloroethoxy)methane	05/07/24	TX
bis(2-Chloroethyl) ether	05/07/24	TX

Southwest Research Institute

Start Date Expires AB

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

Butyl benzyl phthalate	05/07/24	TX
Carbazole	05/07/24	TX
Chrysene	05/07/24	TX
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	05/07/24	TX
Dibenz(a,h) anthracene	05/07/24	TX
Dibenzofuran	05/07/24	TX
Diethyl phthalate	05/07/24	TX
Dimethyl phthalate	05/07/24	TX
Di-n-butyl phthalate	05/07/24	TX
Di-n-octyl phthalate	05/07/24	TX
Diphenylamine	05/07/24	TX
Fluoranthene	05/07/24	TX
Fluorene	05/07/24	TX
Hexachlorobenzene	05/07/24	TX
Hexachlorobutadiene	05/07/24	TX
Hexachlorocyclopentadiene	05/07/24	TX
Hexachloroethane	05/07/24	TX
Hexachloropropene	05/07/24	TX
Indeno(1,2,3-cd) pyrene	05/07/24	TX
Isosafrole	05/07/24	TX
Naphthalene	05/07/24	TX
Nitrobenzene	05/07/24	TX
n-Nitrosodiethylamine	05/07/24	TX
n-Nitroso-di-n-butylamine	05/07/24	TX
n-Nitrosodi-n-propylamine	05/07/24	TX
n-Nitrosodiphenylamine	05/07/24	TX
Pentachlorobenzene	05/07/24	TX
Pentachlorophenol	05/07/24	TX
Phenanthrene	05/07/24	TX
Phenol	05/07/24	TX
Pyrene	05/07/24	TX
Pyridine	05/07/24	TX

**Method EPA 8280****Year: (9/86) Method Code: 10186604**

1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	06/01/18	05/31/25	TX
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	06/01/18	05/31/25	TX
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	06/01/18	05/31/25	TX
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	06/01/18	05/31/25	TX
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	06/01/18	05/31/25	TX
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	06/01/18	05/31/25	TX
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	06/01/18	05/31/25	TX
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	06/01/18	05/31/25	TX
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	06/01/18	05/31/25	TX
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	06/01/18	05/31/25	TX
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	06/01/18	05/31/25	TX
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	06/01/18	05/31/25	TX
2,3,4,6,7,8-Hexachlorodibenzofuran	06/01/18	05/31/25	TX
2,3,4,7,8-Pentachlorodibenzofuran	06/01/18	05/31/25	TX
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	06/01/18	05/31/25	TX

Southwest Research Institute

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Solid &amp; Hazardous Material)</b>			
2,3,7,8-Tetrachlorodibenzofuran	06/01/18	05/31/25	TX
Hpcdd, total	06/01/18	05/31/25	TX
Hpcdf, total	06/01/18	05/31/25	TX
Hxcdd, total	06/01/18	05/31/25	TX
Hxcdf, total	06/01/18	05/31/25	TX
Pecdd, total	06/01/18	05/31/25	TX
Pecdf, total	06/01/18	05/31/25	TX
TCDD, total	06/01/18	05/31/25	TX
TCDF, total	06/01/18	05/31/25	TX
<b>Method EPA 8290A</b>	<b>Year: 1998</b>	<b>Method Code: 10187403</b>	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	05/07/24		TX
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	05/07/24		TX
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	05/07/24		TX
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	05/07/24		TX
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	05/07/24		TX
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	05/07/24		TX
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	05/07/24		TX
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	05/07/24		TX
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	05/07/24		TX
1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	05/07/24		TX
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	05/07/24		TX
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	05/07/24		TX
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	05/07/24		TX
2,3,4,6,7,8-Hexachlorodibenzofuran	05/07/24		TX
2,3,4,7,8-Pentachlorodibenzofuran	05/07/24		TX
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	05/07/24		TX
2,3,7,8-Tetrachlorodibenzofuran	05/07/24		TX
Hpcdd, total	05/07/24		TX
Hpcdf, total	05/07/24		TX
Hxcdd, total	05/07/24		TX
Pecdd, total	05/07/24		TX
Pecdf, total	05/07/24		TX
TCDD, total	05/07/24		TX
TCDF, total	05/07/24		TX
<b>Method EPA 8330A</b>	<b>Year: (1/98)</b>	<b>Method Code: 10190008</b>	
1,3,5-Trinitrobenzene (1,3,5-TNB)	05/07/24		TX
1,3-Dinitrobenzene (1,3-DNB)	05/07/24		TX
2,4,6-Trinitrotoluene (2,4,6-TNT)	05/07/24		TX
2,4-Dinitrotoluene (2,4-DNT)	05/07/24		TX
2,6-Dinitrotoluene (2,6-DNT)	05/07/24		TX
2-Amino-4,6-dinitrotoluene (2-am-dnt)	05/07/24		TX
2-Nitrotoluene	05/07/24		TX
3-Nitrotoluene	05/07/24		TX
4-Amino-2,6-dinitrotoluene (4-am-dnt)	05/07/24		TX
4-Nitrotoluene	05/07/24		TX
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	05/07/24		TX
Nitrobenzene	05/07/24		TX
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	05/07/24		TX



Southwest Research Institute

Start Date Expires AB

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

RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	05/07/24		TX
<b>Method EPA 9012B</b>	<b>Year: 1996</b>	<b>Method Code: 10243206</b>	
Amenable cyanide	05/07/24		TX
Total cyanide	05/07/24		TX
<b>Method EPA 9014</b>	<b>Revision: 0</b>	<b>Year: 1996</b>	<b>Method Code: 10193803</b>
Cyanide	06/01/18	05/31/25	TX
<b>Method EPA 9045D</b>		<b>Method Code: 10244607</b>	
pH	05/07/24		TX
<b>Method EPA 9056A</b>	<b>Year: 2007</b>	<b>Method Code: 10199607</b>	
Bromide	05/07/24		TX
Chloride	05/07/24		TX
Fluoride	05/07/24		TX
Nitrate as N	05/07/24		TX
Orthophosphate as P	05/07/24		TX
Sulfate	05/07/24		TX
<b>Method EPA 9095A</b>	<b>Year: 1996</b>	<b>Method Code: 10204203</b>	
Free liquid	06/01/18	05/31/25	TX
<b>Method EPA 9095B</b>		<b>Method Code: 10245600</b>	
Free liquid	06/01/18	05/31/25	TX

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.