



October 22 2020

10/16/2020

Keystone Laboratories, Inc.  
ATTN: Jeffrey King, Laboratory Director  
600 East 17th Street South  
Newton, IA 50208

IA Lab # 095  
Expires: 02/01/2021

Dear Dr. King:

The Iowa Department of Natural Resources (IDNR) hereby grants certification in accordance with 567 Iowa Administrative Code Chapter 83 for Keystone Laboratories, Inc. in Newton, IA, to analyze environmental samples for the following programs: Safe Drinking Water Act (SDWA) / Clean Water Act (CWA (WW)) / Underground Storage Tank (UST) / Solid Waste and Contaminated Sites (SW/CS). Specific analytes and methods certified are contained on the attachments to this letter. This letter of certification supersedes any prior certification issued by the IDNR. Changes from your prior certification, if any, are listed in the CHANGES FROM PRIOR CERTIFICATE section of this document.

This letter and all attachments should be reviewed upon receipt to verify that the information is accurate. If problems are noted, IDNR should be contacted in writing within 15 calendar days to request any corrections. A copy of this certification letter and attachments should be provided to all laboratory personnel and must be available for inspection at the laboratory location. It is suggested that you retain copies of prior certifications for record purposes. An embossed Certificate is issued only once in each certification period. If provided, it is intended for display purposes and does not in itself convey certification for analytes, methods, or personnel other than those approved by this or subsequent letters of certification.

This certification is based upon the recommendations of the State Hygienic Laboratory (SHL), and satisfactory performance on performance test (PT) samples for the listed parameters. It is your responsibility to comply with relevant provisions of 567 IAC Chapter 83 throughout the certification period and to notify the IDNR in writing within 30 calendar days of any changes in current certification status such as: change in essential personnel, performance on PT samples, changes in physical facility or changes in the resident state certification (where applicable).

Your assigned IA Lab ID # must be used when reporting results and should be used when corresponding with the IDNR or SHL. If you have any questions, please feel free to contact me at 515/725-0343 or Kathy.Lee@dnr.iowa.gov.

Sincerely,

Kathleen A. Lee  
Laboratory Certification Authority

c: FILE: IA Lab # 095  
Donald Simmons, SHL -LOCAL-  
FO #5

ATTACHMENTS

- Changes from prior certificate
- Approved parameter list
- Personnel and reporting requirements
- Recommendation from SHL
- SHL evaluation report
- Onsite evaluation form(s) (where applicable)
- Certificate (where applicable)

### CHANGES FROM PRIOR CERTIFICATE

Prog.	Cont. ID #	Contaminant Name	Method	Method Code	Status
SDWA	2919	DOC	5310 B (Combustion)	5310B	Certified
WW	NA	Organic carbon (Total) (TOC)	5310 B (Combustion)		Certified
WW	NA	Hexachlorobenzene	612		Certified

End of list.

(Refer to the SHL evaluation report for additional information regarding status.)

## APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
<b>SDWA-MICRO - A/S #1 Regulated (INCOMPLETE group)</b>					
3100	Coliform Bacteria (Total)	SM	9223 B	Certified	9223B-QT
3100	Coliform Bacteria (Total)	SM	9223 B	Certified	9223B-PA
3014	Coliform Bacteria (E-coli)	SM	9223 B	Certified	9223B-QT
3014	Coliform Bacteria (E-coli)	SM	9223 B	Certified	9223B-PA
3001	HPC	OTHR	FR 10/29/02	Certified	SIMPLATE
<b>SDWA-IOC - Lead/Copper Regulated (COMPLETE group)</b>					
1030	Lead	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1022	Copper	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1022	Copper	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
<b>SDWA-IOC - A/S #1 Regulated (COMPLETE group)</b>					
1074	Antimony	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1005	Arsenic	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1010	Barium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1010	Barium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1075	Beryllium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1075	Beryllium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1015	Cadmium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1015	Cadmium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1020	Chromium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1020	Chromium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1025	Fluoride	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1035	Mercury	EPA	245.1 Rev 3.0 (1994)	Certified	245.1
1035	Mercury	SM	3112 B	Certified	3112B
1035	Mercury	SM	3112 B-09 (online)	Certified	3112B-09
1036	Nickel	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1036	Nickel	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1045	Selenium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1052	Sodium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1085	Thallium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
<b>SDWA-IOC - Nitrate/Nitrite Regulated (COMPLETE group)</b>					
1040	Nitrate (as N)	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1041	Nitrite (as N)	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1041	Nitrite (as N)	SM	4500-NO2 B	Certified	4500NO2-B
<b>SDWA-IOC - A/S #1 Unregulated (INCOMPLETE group)</b>					
1002	Aluminum	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1079	Boron	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1081	Cobalt	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1081	Cobalt	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1028	Iron	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1031	Magnesium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1032	Manganese	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1032	Manganese	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1084	Molybdenum	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1084	Molybdenum	EPA	200.8 Rev 5.4 (1994)	Certified	200.8

## APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
1039	Perchlorate	EPA	314.0	Certified	314.0
1042	Potassium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1051	Strontium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1055	Sulfate	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1086	Tin	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1086	Tin	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1087	Titanium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1088	Vanadium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1088	Vanadium	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1095	Zinc	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1095	Zinc	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
<b>SDWA-IOC - A/S #1 Regulated CN (COMPLETE group)</b>					
1024	Cyanide	SM	4500-CN C,E	Certified	4500CN-E
<b>SDWA-IOC - A/S #2 Regulated (INCOMPLETE group)</b>					
1011	Bromate	EPA	300.1 Rev 1.0 (1997)	Certified	300.1
1004	Bromide	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1009	Chlorite	EPA	300.1 Rev 1.0 (1997)	Certified	300.1
2919	DOC	SM	5310 B (Combustion)	Certified	5310B
2919	DOC	SM	5310 C (Oxidation)	Certified	5310C
2920	Total Organic Carbon (TOC)	SM	5310 C (Oxidation)	Certified	5310C
<b>SDWA-IOC - Other Excluded (INCOMPLETE group)</b>					
1050	Silver	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1050	Silver	EPA	200.8 Rev 5.4 (1994)	Certified	200.8
1927	Alkalinity, Total	SM	2320 B	Certified	2320B
1026	Alkalinity, Bicarbonate	SM	2320 B	Certified	2320B
1931	Alkalinity, Phenolphthalein	SM	2320 B	Certified	2320B
1003	Ammonia (as N)	EPA	Timberline Method Ammonia-001	Certified	TIMBERLINE
1919	Calcium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1017	Chloride	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1064	Conductivity	SM	2510 B	Certified	2510B
1997	Langelier Index	SM	203	Certified	203
1915	Hardness (Total as CaCO3)	SM	2340 B	Certified	2340B
1919	Calcium Hardness	SM	2340 C	Certified	2340C
1083	Lithium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1031	Magnesium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1044	Orthophosphate (as P)	EPA	300.0 Rev 2.1 (1993)	Certified	300.0
1925	pH	EPA	150.1 (SDWA only)	Certified	150.1
1925	pH	SM	4500-H+ B	Certified	4500H-B
1042	Potassium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1930	Residue-Filterable (TDS)	SM	2540 C	Certified	2540C
1056	Total Suspended Solids (TSS)	USGS	I-3765-85	Certified	I-3765-85
1049	Silica	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
1049	Silica	SM	4500-Si D (18, 19)	Certified	4500SI-D
1049	Silica	SM	4500-SiO2 C (20, 21)	Certified	4500SIO2-C
1996	Temperature	SM	2550 B	Certified	2550B

## APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
<b>SDWA-PHY - Other Unregulated (COMPLETE group)</b>					
100	Turbidity	SM	2130 B	Certified	2130B
<b>SDWA-ICR - A/S #1 Regulated (INCOMPLETE group)</b>					
1925	pH	EPA	150.1 (SDWA only)	Certified	150.1
1925	pH	SM	4500-H+ B	Certified	4500H-B
1927	Alkalinity, Total	SM	2320 B	Certified	2320B
100	Turbidity	SM	2130 B	Certified	2130B
1996	Temperature	SM	2550 B	Certified	2550B
1919	Calcium	EPA	200.7 Rev 4.4 (1994)	Certified	200.7
	Total Residual Chlorine	SM	4500-Cl G	Certified	NA
2950	Trihalomethanes (Total)	EPA	524.2	Certified	524.2
<b>SDWA-VOC - TTHM Regulated (COMPLETE group)</b>					
2950	Trihalomethanes (Total)	EPA	524.2	Certified	524.2
2943	Bromodichloromethane	EPA	524.2	Certified	524.2
2942	Bromoform	EPA	524.2	Certified	524.2
2944	Chlorodibromomethane	EPA	524.2	Certified	524.2
2941	Chloroform	EPA	524.2	Certified	524.2
<b>SDWA-VOC - A/S #1 Regulated (COMPLETE group)</b>					
2990	Benzene	EPA	524.2	Certified	524.2
2982	Carbon tetrachloride	EPA	524.2	Certified	524.2
2968	o-Dichlorobenzene (1,2)	EPA	524.2	Certified	524.2
2969	p-Dichlorobenzene (1,4)	EPA	524.2	Certified	524.2
2980	1,2-Dichloroethane	EPA	524.2	Certified	524.2
2380	cis-1,2-Dichloroethene	EPA	524.2	Certified	524.2
2977	1,1-Dichloroethene	EPA	524.2	Certified	524.2
2979	trans-1,2-Dichloroethene	EPA	524.2	Certified	524.2
2964	Dichloromethane	EPA	524.2	Certified	524.2
2983	1,2-Dichloropropane	EPA	524.2	Certified	524.2
2992	Ethylbenzene	EPA	524.2	Certified	524.2
2989	Chlorobenzene	EPA	524.2	Certified	524.2
2996	Styrene	EPA	524.2	Certified	524.2
2987	Tetrachloroethene	EPA	524.2	Certified	524.2
2991	Toluene	EPA	524.2	Certified	524.2
2378	1,2,4-Trichlorobenzene	EPA	524.2	Certified	524.2
2981	1,1,1-Trichloroethane	EPA	524.2	Certified	524.2
2985	1,1,2-Trichloroethane	EPA	524.2	Certified	524.2
2984	Trichloroethene	EPA	524.2	Certified	524.2
2976	Vinyl Chloride	EPA	524.2	Certified	524.2
2955	Xylenes (Total)	EPA	524.2	Certified	524.2
<b>SDWA-VOC - A/S #1 Unregulated (COMPLETE group)</b>					
2993	Bromobenzene	EPA	524.2	Certified	524.2
2943	Bromodichloromethane	EPA	524.2	Certified	524.2
2942	Bromoform	EPA	524.2	Certified	524.2
2214	Bromomethane	EPA	524.2	Certified	524.2
2944	Chlorodibromomethane	EPA	524.2	Certified	524.2
2216	Chloroethane	EPA	524.2	Certified	524.2

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
2941	Chloroform	EPA	524.2	Certified	524.2
2210	Chloromethane	EPA	524.2	Certified	524.2
2965	o-Chlorotoluene	EPA	524.2	Certified	524.2
2966	p-Chlorotoluene	EPA	524.2	Certified	524.2
2408	Dibromomethane	EPA	524.2	Certified	524.2
2967	m-Dichlorobenzene	EPA	524.2	Certified	524.2
2978	1,1-Dichloroethane	EPA	524.2	Certified	524.2
2412	1,3-Dichloropropane	EPA	524.2	Certified	524.2
2416	2,2-Dichloropropane	EPA	524.2	Certified	524.2
2413	1,3-Dichloropropene (cis & trans)	EPA	524.2	Certified	524.2
2410	1,1-Dichloropropene	EPA	524.2	Certified	524.2
2986	1,1,1,2-Tetrachloroethane	EPA	524.2	Certified	524.2
2988	1,1,2,2-Tetrachloroethane	EPA	524.2	Certified	524.2
2414	1,2,3-Trichloropropane	EPA	524.2	Certified	524.2

**SDWA-VOC - A/S #1 Discretionary (INCOMPLETE group)**

2430	Bromochloromethane	EPA	524.2	Certified	524.2
2251	Methyl tert-Butyl Ether (MtBE)	EPA	524.2	Certified	524.2
2422	n-Butylbenzene	EPA	524.2	Certified	524.2
2426	tert-Butylbenzene	EPA	524.2	Certified	524.2
2428	sec-Butylbenzene	EPA	524.2	Certified	524.2
2212	Dichlorodifluoromethane	EPA	524.2	Certified	524.2
2246	Hexachlorobutadiene	EPA	524.2	Certified	524.2
2994	Isopropylbenzene	EPA	524.2	Certified	524.2
2030	p-Isopropyltoluene	EPA	524.2	Certified	524.2
2248	Naphthalene	EPA	524.2	Certified	524.2
2998	n-Propylbenzene	EPA	524.2	Certified	524.2
2420	1,2,3-Trichlorobenzene	EPA	524.2	Certified	524.2
2218	Fluorotrichloromethane	EPA	524.2	Certified	524.2
2418	1,2,4-Trimethylbenzene	EPA	524.2	Certified	524.2
2424	1,3,5-Trimethylbenzene	EPA	524.2	Certified	524.2

**SDWA-SOC - HAA Regulated (COMPLETE group)**

2453	Monobromoacetic acid	EPA	552.2	Certified	552.2
2454	Dibromoacetic acid	EPA	552.2	Certified	552.2
2450	Monochloroacetic acid	EPA	552.2	Certified	552.2
2451	Dichloroacetic acid	EPA	552.2	Certified	552.2
2452	Trichloroacetic acid	EPA	552.2	Certified	552.2
2456	Haloacetic acid (total)	EPA	552.2	Certified	552.2

**SDWA-SOC - A/S #1 Regulated (INCOMPLETE group)**

2959	Chlordane	EPA	508	Certified	508
2005	Endrin	EPA	508	Certified	508
2065	Heptachlor	EPA	508	Certified	508
2067	Heptachlor epoxide	EPA	508	Certified	508
2274	Hexachlorobenzene	EPA	508	Certified	508
2042	Hexachlorocyclopentadiene	EPA	508	Certified	508
2010	Lindane	EPA	508	Certified	508
2015	Methoxychlor	EPA	508	Certified	508
2020	Toxaphene	EPA	508	Certified	508

## APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
2388	Aroclor 1016	EPA	508	Certified	508
2390	Aroclor 1221	EPA	508	Certified	508
2392	Aroclor 1232	EPA	508	Certified	508
2394	Aroclor 1242	EPA	508	Certified	508
2396	Aroclor 1248	EPA	508	Certified	508
2398	Aroclor 1254	EPA	508	Certified	508
2400	Aroclor 1260	EPA	508	Certified	508
<b>SDWA-SOC - A/S #1 Unregulated (COMPLETE group)</b>					
2356	Aldrin	EPA	508	Certified	508
2070	Dieldrin	EPA	508	Certified	508
<b>SDWA-SOC - A/S #3 Regulated (INCOMPLETE group)</b>					
2105	2,4-D	EPA	515.1	Certified	515.1
2031	Dalapon	EPA	515.1	Certified	515.1
2041	Dinoseb (DNBP)	EPA	515.1	Certified	515.1
2326	Pentachlorophenol	EPA	515.1	Certified	515.1
2040	Picloram (Tordon)	EPA	515.1	Certified	515.1
2110	2,4,5-TP (Silvex)	EPA	515.1	Certified	515.1
<b>SDWA-SOC - A/S #3 Unregulated (COMPLETE group)</b>					
2440	Dicamba (Banvel)	EPA	515.1	Certified	515.1
<b>SDWA-SOC - A/S #4 Regulated (COMPLETE group)</b>					
2051	Alachlor (Lasso)	EPA	507	Certified	507
2050	Atrazine	EPA	507	Certified	507
2037	Simazine	EPA	507	Certified	507
<b>SDWA-SOC - A/S #4 Unregulated (COMPLETE group)</b>					
2076	Butachlor	EPA	507	Certified	507
2045	Metolachlor (Dual)	EPA	507	Certified	507
2595	Metribuzin (Sencor)	EPA	507	Certified	507
2077	Propachlor	EPA	507	Certified	507
<b>SDWA-SOC - A/S #5 Regulated (COMPLETE group)</b>					
2931	1,2-Dibromo-3-chloropropane (DBCP)	EPA	504.1	Certified	504.1
2946	1,2-Dibromoethane (EDB)	EPA	504.1	Certified	504.1
<b>SDWA-SOC - A/S #6 Regulated (COMPLETE group)</b>					
2035	Di(2-ethylhexyl)adipate	EPA	525.2	Certified	525.2
2039	Di(2-ethylhexyl)phthalate	EPA	525.2	Certified	525.2
<b>SDWA-SOC - A/S #7 Regulated (COMPLETE group)</b>					
2306	Benzo(a)pyrene	EPA	550	Certified	550
<b>SDWA-SOC - A/S #8 Regulated (COMPLETE group)</b>					
2034	Glyphosate	EPA	547	Certified	547
<b>SDWA-SOC - A/S #9 Regulated (COMPLETE group)</b>					
2032	Diquat	EPA	549.2	Certified	549.2



### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
<b>SDWA-SOC - Other Regulated (COMPLETE group)</b>					
2054	Cyanazine (Bladex)	EPA	507	Certified	507
<b>UST-BTEX - Water (COMPLETE group)</b>					
	Benzene	OTHR	OA-1	Certified	NA
	Benzene	EPA	8260	Certified	NA
	Toluene	OTHR	OA-1	Certified	NA
	Toluene	EPA	8260	Certified	NA
	Ethylbenzene	OTHR	OA-1	Certified	NA
	Ethylbenzene	EPA	8260	Certified	NA
	Xylenes (Total)	OTHR	OA-1	Certified	NA
	Xylenes (Total)	EPA	8260	Certified	NA
<b>UST-BTEX - Soil (COMPLETE group)</b>					
	Benzene	OTHR	OA-1	Certified	NA
	Benzene	EPA	8260	Certified	NA
	Toluene	OTHR	OA-1	Certified	NA
	Toluene	EPA	8260	Certified	NA
	Ethylbenzene	OTHR	OA-1	Certified	NA
	Ethylbenzene	EPA	8260	Certified	NA
	Xylenes (Total)	OTHR	OA-1	Certified	NA
	Xylenes (Total)	EPA	8260	Certified	NA
<b>UST-UST - Water (COMPLETE group)</b>					
	Volatile Petroleum Hydrocarbons	OTHR	OA-1	Certified	NA
	Volatile Petroleum Hydrocarbons	EPA	8015 B	Certified	NA
	Volatile Petroleum Hydrocarbons	EPA	8260	Certified	NA
<b>UST-UST - Soil (COMPLETE group)</b>					
	Volatile Petroleum Hydrocarbons	OTHR	OA-1	Certified	NA
	Volatile Petroleum Hydrocarbons	EPA	8015 B	Certified	NA
	Volatile Petroleum Hydrocarbons	EPA	8260	Certified	NA
<b>UST-TEH - Water (COMPLETE group)</b>					
	Total Extractable Hydrocarbons	OTHR	OA-2	Certified	NA
<b>UST-TEH - Soil (COMPLETE group)</b>					
	Total Extractable Hydrocarbons	OTHR	OA-2	Certified	NA
<b>UST-PAH - Drinking Water (COMPLETE group)</b>					
2248	Naphthalene	EPA	550	Certified	NA
2306	Benzo(a)pyrene	EPA	550	Certified	NA
2300	Benzo(a)anthracene	EPA	550	Certified	NA
2296	Chrysene	EPA	550	Certified	NA
<b>UST-PAH - Water (COMPLETE group)</b>					
	Naphthalene	EPA	8270	Certified	NA
	Naphthalene	EPA	8310	Certified	NA
	Benzo(a)pyrene	EPA	8270	Certified	NA



### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Benzo(a)pyrene	EPA	8310	Certified	NA
	Benzo(a)anthracene	EPA	8270	Certified	NA
	Benzo(a)anthracene	EPA	8310	Certified	NA
	Chrysene	EPA	8270	Certified	NA
	Chrysene	EPA	8310	Certified	NA
<b>UST-PAH - Soil (COMPLETE group)</b>					
	Naphthalene	EPA	8270	Certified	NA
	Naphthalene	EPA	8310	Certified	NA
	Benzo(a)pyrene	EPA	8270	Certified	NA
	Benzo(a)pyrene	EPA	8310	Certified	NA
	Benzo(a)anthracene	EPA	8270	Certified	NA
	Benzo(a)anthracene	EPA	8310	Certified	NA
	Chrysene	EPA	8270	Certified	NA
	Chrysene	EPA	8310	Certified	NA
<b>UST-BTEX AIR - Soil gas (COMPLETE group)</b>					
	Benzene	OTHR	NIOSH 1501	Certified	NA
	Toluene	OTHR	NIOSH 1501	Certified	NA
	Ethylbenzene	OTHR	NIOSH 1501	Certified	NA
	Xylenes (Total)	OTHR	NIOSH 1501	Certified	NA
<b>WW-MICRO - A/S #1 Regulated (INCOMPLETE group)</b>					
	Coliform Bacteria (Fecal)	SM	9221 E A-1	Certified	NA
	Coliform Bacteria (Fecal)	SM	9223B 18QTFC	Certified	NA
	Coliform Bacteria (E-coli)	SM	9223 B	Certified	NA
<b>WW-IOC - A/S #1 Regulated (INCOMPLETE group)</b>					
	Aluminum (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Ammonia (as N)	SM	4500-NH3 B (Distillation)	Certified	NA
	Ammonia (as N)	SM	4500-NH3 C-97 (Titr.)(ONLINE)	Certified	NA
	Ammonia (as N)	SM	4500-NH3 D-97 (ISE)(ONLINE)	Certified	NA
	Ammonia (as N)	SM	4500-NH3 E (18) (Titration)	Certified	NA
	Ammonia (as N)	EPA	Timberline Method Ammonia-001	Certified	NA
	Antimony (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Antimony (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Arsenic (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Arsenic (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Barium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Barium (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Beryllium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Beryllium (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Biochemical Oxygen Demand (BOD5)	SM	5210 B	Certified	NA
	Biochemical Oxygen Demand (BOD5)	SM	5210 B-01 (ONLINE)	Certified	NA
	Carb. Biochemical Oxygen Demand (CBOD5)	SM	5210 B	Certified	NA
	Carb. Biochemical Oxygen Demand (CBOD5)	SM	5210 B-01 (ONLINE)	Certified	NA
	Boron (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Cadmium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Cadmium (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Calcium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Chromium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Chromium (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Chromium VI (Dissolved)	SM	3500-Cr B-09 (ONLINE)	Certified	NA
	Chromium VI (Dissolved)	SM	3500-Cr D (18, 19)	Certified	NA
	Cobalt (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Cobalt (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Copper (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Copper (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Cyanide (Total)	SM	4500-CN C,E	Certified	NA
	Cyanide (Total)	SM	4500-CN E-99 (ONLINE)	Certified	NA
	Cyanide Amenable to Chlorination	SM	4500-CN C,G	Certified	NA
	Cyanide Amenable to Chlorination	SM	4500-CN G-99 (ONLINE)	Certified	NA
	Fluoride (Total)	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Iron (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Kjeldahl Nitrogen (Total as N)	EPA	351.2 Rev 2.0 (1993)	Certified	NA
	Lead (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Lead (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Magnesium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Manganese (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Manganese (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Mercury (Total)	EPA	245.1 Rev 3.0 (1994)	Certified	NA
	Mercury (Total)	SM	3112 B	Certified	NA
	Mercury (Total)	SM	3112 B-09 (online)	Certified	NA
	Molybdenum (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Molybdenum (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Nickel (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Nickel (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Nitrate (as N)	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Nitrate-Nitrite (Total as N)	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Nitrate-Nitrite (Total as N)	EPA	353.2 Rev 2.0 (1993)	Certified	NA
	Nitrite (as N)	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Nitrite (as N)	SM	4500-NO2 B	Certified	NA
	Nitrite (as N)	SM	4500-NO2 B-00 (ONLINE)	Certified	NA
	Nitrogen (Total)	EPA	351.2+ 353.2 (Rev 2.0 1993)	Certified	NA
	Nitrogen (Total)	EPA/SM	Calculate TKN + NO2-N + NO3-N	Certified	NA
	Organic Nitrogen (as N)	SM	Calculate (TKN-N - NH3-N)	Certified	NA
	Potassium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Selenium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Selenium (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Silver (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Silver (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Sodium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Sulfate	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Sulfide	SM	4500-S D	Certified	NA
	Sulfide	SM	4500-S D-00 (ONLINE)	Certified	NA
	Thallium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Thallium (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Tin (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Tin (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Titanium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA

## APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Vanadium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Vanadium (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Zinc (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Zinc (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA

**WW-IOC - A/S #2 Regulated (INCOMPLETE group)**

Acidity as CaCO3	SM	2310 B(4a)	Certified	NA
Acidity as CaCO3	SM	2310 B(4a)-97 (ONLINE)	Certified	NA
Alkalinity as CaCO3	SM	2320 B	Certified	NA
Alkalinity as CaCO3	SM	2320 B-97 (ONLINE)	Certified	NA
Bromide	EPA	300.0 Rev 2.1 (1993)	Certified	NA
Bromide	EPA	300.1 Rev 1.0 (1997)	Certified	NA
Calcium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
Chloride	EPA	300.0 Rev 2.1 (1993)	Certified	NA
Chloride	SM	4500-Cl C	Certified	NA
Chloride	SM	4500 Cl C-97 (ONLINE)	Certified	NA
Chloride	USGS	I-1184-85	Certified	NA
Chemical Oxygen Demand (COD)	EPA	410.4 Rev 2.0 (1993)	Certified	NA
Chemical Oxygen Demand (COD)	SM	5220 D	Certified	NA
Chemical Oxygen Demand (COD)	SM	5220 D-97 (ONLINE)	Certified	NA
Hardness (Total as CaCO3)	EPA/SM	Calculate Ca+ Mg as Carbonates	Certified	NA
Oil and Grease	EPA	1664 A	Certified	NA
Organic carbon (Total) (TOC)	SM	5310 B (Combustion)	Certified	NA
Organic carbon (Total) (TOC)	SM	5310 C (Oxidation)	Certified	NA
Organic carbon (Total) (TOC)	SM	5310 C-00 (ONLINE)	Certified	NA
Orthophosphate (as P)	EPA	300.0 Rev 2.1 (1993)	Certified	NA
Orthophosphate (as P)	OTHR	Hach 8048	Certified	NA
Phenols	EPA	420.1 (Rev 1978)	Certified	NA
Phosphorus (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
Phosphorus (Total)	EPA	365.4 (Issued 1974)	Certified	NA
Residue-Filterable (TDS)	SM	2540 C	Certified	NA
Residue-Filterable (TDS)	SM	2540 C-97 (ONLINE)	Certified	NA
Residue-Filterable (TDS)	USGS	I-1750-85	Certified	NA
Residue-Nonfilterable (TSS)	USGS	I-3765-85	Certified	NA
Residue-Total	SM	2540 B	Certified	NA
Residue-Total	SM	2540 B-97 (ONLINE)	Certified	NA
Silica	EPA	200.7 Rev 4.4 (1994)	Certified	NA
Silica	SM	4500-SiO2 C-97 (ONLINE)	Certified	NA
Silica	SM	4500-Si D (18, 19)	Certified	NA
Specific conductance	SM	2510 B	Certified	NA
Specific conductance	SM	2510 B-97 (ONLINE)	Certified	NA
Surfactants	SM	5540 C	Certified	NA
Surfactants	SM	5540 C-00 (ONLINE)	Certified	NA
Turbidity	SM	2130 B	Certified	NA
Turbidity	SM	2130 B-01 (ONLINE)	Certified	NA

**WW-IOC - A/S #3 Regulated Sludge (COMPLETE group)**

Arsenic (Total)	EPA	6010B	Certified	NA
Arsenic (Total)	EPA	6020	Certified	NA
Cadmium (Total)	EPA	6010B	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Cadmium (Total)	EPA	6020	Certified	NA
	Chromium (Total)	EPA	6010B	Certified	NA
	Chromium (Total)	EPA	6020	Certified	NA
	Copper (Total)	EPA	6010B	Certified	NA
	Copper (Total)	EPA	6020	Certified	NA
	Lead (Total)	EPA	6010B	Certified	NA
	Lead (Total)	EPA	6020	Certified	NA
	Mercury (Total)	EPA	7470	Certified	NA
	Mercury (Total)	EPA	7471A	Certified	NA
	Molybdenum (Total)	EPA	6010B	Certified	NA
	Molybdenum (Total)	EPA	6020	Certified	NA
	Nickel (Total)	EPA	6010B	Certified	NA
	Nickel (Total)	EPA	6020	Certified	NA
	Residue-Total	SM	2540 G	Certified	NA
	Selenium (Total)	EPA	6010B	Certified	NA
	Selenium (Total)	EPA	6020	Certified	NA
	Silver (Total)	EPA	6010C	Certified	NA
	Silver (Total)	EPA	6020	Certified	NA
	Zinc (Total)	EPA	6010B	Certified	NA
	Zinc (Total)	EPA	6020	Certified	NA

**WW-IOC - A/S #1 Excluded (INCOMPLETE group)**

Alkalinity as CaCO3	SM	2320 B	Certified	NA
Alkalinity as CaCO3	SM	2320 B-97 (ONLINE)	Certified	NA
Chlorine, Total residual	SM	4500-Cl G	Certified	NA
Chlorine, Total residual	SM	4500-Cl G-00 (ONLINE)	Certified	NA
Hydrogen Ion (pH)	SM	4500-H+ B	Certified	NA
Hydrogen Ion (pH)	SM	4500-H B-00 (ONLINE)	Certified	NA
Oxygen, dissolved	SM	4500-O C	Certified	NA
Oxygen, dissolved	SM	4500-O C-01 (ONLINE)	Certified	NA
Oxygen, dissolved	SM	4500-O G	Certified	NA
Oxygen, dissolved	SM	4500-O G-01 (ONLINE)	Certified	NA
Residue-Filterable (TDS)	SM	2540 C	Certified	NA
Residue-Filterable (TDS)	SM	2540 C-97 (ONLINE)	Certified	NA
Residue-Filterable (TDS)	USGS	I-1750-85	Certified	NA
Residue-Settleable	SM	2540 F	Certified	NA
Residue-Settleable	SM	2540 F-97 (ONLINE)	Certified	NA
Residue-Volatile	EPA	160.4	Certified	NA
Residue-Volatile	USGS	I-3753-85	Certified	NA
Temperature	SM	2550 B	Certified	NA

**WW-UST - A/S #1 Regulated (COMPLETE group)**

Volatile Petroleum Hydrocarbons	OTHR	OA-1	Certified	NA
Total Extractable Hydrocarbons	OTHR	OA-2	Certified	NA

**WW-VOC - A/S #1 Regulated (COMPLETE group)**

1,2-Dichloroethane	EPA	624	Certified	NA
1,1-Dichloroethene	EPA	624	Certified	NA
1,2-Dichloropropane	EPA	624	Certified	NA
1,1,1-Trichloroethane	EPA	624	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	1,1,2-Trichloroethane	EPA	624	Certified	NA
	1,1-Dichloroethane	EPA	624	Certified	NA
	1,3-Dichloropropene (cis & trans)	EPA	624	Certified	NA
	1,1,2,2-Tetrachloroethane	EPA	624	Certified	NA
	1,2-Dichloroethene (cis & trans)	EPA	624	Certified	NA
	1,3-Dichlorobenzene	EPA	624	Certified	NA
	Methyl Ethyl Ketone (2-Butanone)	EPA	624	Certified	NA
	2-Chloroethyl vinyl ether	EPA	624	Certified	NA
	Acetone	EPA	624	Certified	NA
	Acrolein	EPA	624	Certified	NA
	Acrylonitrile	EPA	624	Certified	NA
	Benzene	EPA	624	Certified	NA
	Bromodichloromethane	EPA	624	Certified	NA
	Bromoform	EPA	624	Certified	NA
	Bromomethane	EPA	624	Certified	NA
	Carbon tetrachloride	EPA	624	Certified	NA
	Chlorobenzene	EPA	624	Certified	NA
	Chlorodibromomethane	EPA	624	Certified	NA
	Chloroethane	EPA	624	Certified	NA
	Chloroform	EPA	624	Certified	NA
	Chloromethane	EPA	624	Certified	NA
	Dichloromethane	EPA	624	Certified	NA
	Ethylbenzene	EPA	624	Certified	NA
	Fluorotrichloromethane	EPA	624	Certified	NA
	o-Dichlorobenzene (1,2)	EPA	624	Certified	NA
	p-Dichlorobenzene (1,4)	EPA	624	Certified	NA
	Tetrachloroethene	EPA	624	Certified	NA
	Toluene	EPA	624	Certified	NA
	Trichloroethene	EPA	624	Certified	NA
	Vinyl Chloride	EPA	624	Certified	NA
	Acetone	EPA	524.2	Certified	NA
	4-Methyl-2-Pentanone	EPA	524.2	Certified	NA
	Tetrahydrofuran	EPA	524.2	Certified	NA
	1,2-Diphenylhydrazine	EPA	625	Certified	NA

WW-SOC - A/S #1 Regulated (COMPLETE group)

	Aldrin	EPA	608	Certified	NA
	alpha-BHC	EPA	608	Certified	NA
	Aroclor 1016	EPA	608	Certified	NA
	Aroclor 1221	EPA	608	Certified	NA
	Aroclor 1232	EPA	608	Certified	NA
	Aroclor 1242	EPA	608	Certified	NA
	Aroclor 1248	EPA	608	Certified	NA
	Aroclor 1254	EPA	608	Certified	NA
	Aroclor 1260	EPA	608	Certified	NA
	beta-BHC	EPA	608	Certified	NA
	Chlordane	EPA	608	Certified	NA
	4,4'-DDD	EPA	608	Certified	NA
	4,4'-DDE	EPA	608	Certified	NA
	4,4'-DDT	EPA	608	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	delta-BHC	EPA	608	Certified	NA
	Dieldrin	EPA	608	Certified	NA
	Endosulfan I	EPA	608	Certified	NA
	Endosulfan II	EPA	608	Certified	NA
	Endosulfan sulfate	EPA	608	Certified	NA
	Endrin	EPA	608	Certified	NA
	Endrin aldehyde	EPA	608	Certified	NA
	Heptachlor	EPA	608	Certified	NA
	Heptachlor epoxide	EPA	608	Certified	NA
	Lindane	EPA	608	Certified	NA
	Methoxychlor	EPA	608	Certified	NA
	Toxaphene	EPA	608	Certified	NA
<b>WW-SOC - A/S #2 Regulated (INCOMPLETE group)</b>					
	2,4-D	EPA	515.1	Certified	NA
	2,4-D	EPA	615	Certified	NA
	2,4,5-TP (Silvex)	EPA	615	Certified	NA
	Acetochlor	EPA	507	Certified	NA
	Alachlor (Lasso)	EPA	507	Certified	NA
	Atrazine	EPA	507	Certified	NA
	Butachlor	EPA	507	Certified	NA
	Metolachlor (Dual)	EPA	507	Certified	NA
	Pentachlorophenol	EPA	515.1	Certified	NA
	Pentachlorophenol	EPA	525.2	Certified	NA
	Pentachlorophenol	EPA	625	Certified	NA
	Propachlor	EPA	507	Certified	NA
	Propachlor	EPA	508	Certified	NA
	Propachlor	EPA	608	Certified	NA
	Trifluralin (Treflan)	EPA	507	Certified	NA
<b>WW-SOC - A/S #3 Regulated (COMPLETE group)</b>					
	2,4-Dinitrotoluene	EPA	8330	Certified	NA
	1,3,5-Trinitrobenzene	EPA	8330	Certified	NA
	1,3-Dinitrobenzene	EPA	8330	Certified	NA
	Nitrobenzene	EPA	8330	Certified	NA
	2,6-Dinitrotoluene	EPA	8330	Certified	NA
	2-Nitrotoluene	EPA	8330	Certified	NA
	Tetryl	EPA	8330	Certified	NA
	4-Amino-2,6-dinitrotoluene	EPA	8330	Certified	NA
	2-Amino-4,6-dinitrotoluene	EPA	8330	Certified	NA
	3-Nitrotoluene	EPA	8330	Certified	NA
	4-Nitrotoluene	EPA	8330	Certified	NA
	Trinitrotoluene	EPA	8330	Certified	NA
	RDX, Total	EPA	8330	Certified	NA
	HMX	EPA	8330	Certified	NA
	Formaldehyde	EPA	8315	Certified	NA
<b>WW-SOC - A/S #4 Regulated (INCOMPLETE group)</b>					
	Butyl benzyl phthalate	EPA	625	Certified	NA
	Di(2-ethylhexyl)phthalate	EPA	625	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Di-n-Butyl Phthlate	EPA	625	Certified	NA
	Di-n-octyl phthalate	EPA	625	Certified	NA
	Diethyl phthalate	EPA	625	Certified	NA
	Dimethyl phthalate	EPA	625	Certified	NA

WW-SOC - A/S #5 Regulated (COMPLETE group)

Acenaphthene	EPA	610	Certified	NA
Acenaphthene	EPA	625	Certified	NA
Acenaphthylene	EPA	610	Certified	NA
Acenaphthylene	EPA	625	Certified	NA
Anthracene	EPA	610	Certified	NA
Anthracene	EPA	625	Certified	NA
Benzo(a)anthracene	EPA	610	Certified	NA
Benzo(a)anthracene	EPA	625	Certified	NA
Benzo(a)pyrene	EPA	610	Certified	NA
Benzo(a)pyrene	EPA	625	Certified	NA
Benzo(b)fluoranthene	EPA	610	Certified	NA
Benzo(b)fluoranthene	EPA	625	Certified	NA
Benzo(g,h,i)perylene	EPA	610	Certified	NA
Benzo(g,h,i)perylene	EPA	625	Certified	NA
Benzo(k)fluoranthene	EPA	610	Certified	NA
Benzo(k)fluoranthene	EPA	625	Certified	NA
Chrysene	EPA	610	Certified	NA
Chrysene	EPA	625	Certified	NA
Dibenzo(a,h)anthracene	EPA	610	Certified	NA
Dibenzo(a,h)anthracene	EPA	625	Certified	NA
Fluoranthene	EPA	610	Certified	NA
Fluoranthene	EPA	625	Certified	NA
Fluorene	EPA	610	Certified	NA
Fluorene	EPA	625	Certified	NA
Indeno(1,2,3-cd)pyrene	EPA	610	Certified	NA
Indeno(1,2,3-cd)pyrene	EPA	625	Certified	NA
Naphthalene	EPA	610	Certified	NA
Naphthalene	EPA	625	Certified	NA
Phenanthrene	EPA	610	Certified	NA
Phenanthrene	EPA	625	Certified	NA
Pyrene	EPA	610	Certified	NA
Pyrene	EPA	625	Certified	NA

WW-SOC - A/S #6 Regulated (INCOMPLETE group)

1,2-Diphenylhydrazine	EPA	625	Certified	NA
1,2,4-Trichlorobenzene	EPA	625	Certified	NA
1,3-Dichlorobenzene	EPA	625	Certified	NA
2,4-Dichlorophenol	EPA	625	Certified	NA
2,4-Dimethylphenol	EPA	625	Certified	NA
2,4-Dinitrophenol	EPA	625	Certified	NA
2,4-Dinitrotoluene	EPA	625	Certified	NA
2,6-Dinitrotoluene	EPA	625	Certified	NA
2,4,6-Trichlorophenol	EPA	625	Certified	NA
2-Chloronaphthalene	EPA	625	Certified	NA



### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	2-Chlorophenol	EPA	625	Certified	NA
	2-Methyl-4,6-dinitrophenol	EPA	625	Certified	NA
	2-Nitrophenol	EPA	625	Certified	NA
	3,3'-Dichlorobenzidine	EPA	625	Certified	NA
	4-Bromophenyl phenyl ether	EPA	625	Certified	NA
	4-Chloro-3-methylphenol	EPA	625	Certified	NA
	4-Chlorophenyl phenyl ether	EPA	625	Certified	NA
	4-Nitrophenol	EPA	625	Certified	NA
	Benzidine	EPA	625	Certified	NA
	Di(2-chloroethoxy)methane	EPA	625	Certified	NA
	Di(2-chloroethyl)ether	EPA	625	Certified	NA
	Di(2-chloroisopropyl)ether (DCIP)	EPA	625	Certified	NA
	Hexachlorobenzene	EPA	612	Certified	NA
	Hexachlorobenzene	EPA	625	Certified	NA
	Hexachlorobutadiene	EPA	625	Certified	NA
	Hexachlorocyclopentadiene	EPA	625	Certified	NA
	Hexachloroethane	EPA	625	Certified	NA
	Isophorone	EPA	625	Certified	NA
	n-Nitrosodimethylamine	EPA	625	Certified	NA
	n-Nitrosodiphenylamine	EPA	625	Certified	NA
	n-Nitrosodipropylamine	EPA	625	Certified	NA
	Nitrobenzene	EPA	625	Certified	NA
	Phenol	EPA	625	Certified	NA
<b>WW-SOC - Other Regulated (INCOMPLETE group)</b>					
	Glyphosate	EPA	547	Certified	NA
<b>SW/CS-IOC - Basic waste/soils (INCOMPLETE group)</b>					
	Ammonia (as N)	SM	4500-NH3 B (Distillation)	Certified	NA
	Ammonia (as N)	SM	4500-NH3 C (20-22)(Titration)	Certified	NA
	Ammonia (as N)	SM	4500-NH3 E (18) (Titration)	Certified	NA
	Bromide	EPA	9056	Certified	NA
	Chloride	EPA	9056	Certified	NA
	Cyanide	EPA	9010	Certified	NA
	Cyanide	EPA	9014	Certified	NA
	Fluoride	EPA	9056	Certified	NA
	Kjeldahl Nitrogen (Total as N)	EPA	351.2 Rev 2.0 (1993)	Certified	NA
	Nitrate (as N)	EPA	9056	Certified	NA
	Nitrate-Nitrite (Total as N)	EPA	353.2 Rev 2.0 (1993)	Certified	NA
	Nitrite (as N)	SM	4500 NO2 B	Certified	NA
	Nitrite (as N)	EPA	9056	Certified	NA
	Oil and Grease	EPA	9071	Certified	NA
	Perchlorate	EPA	314.0	Certified	NA
	pH	EPA	9045	Certified	NA
	Phosphate (Total as P)	EPA	365.4 (Issued 1974)	Certified	NA
	Sulfate	EPA	9056	Certified	NA
	Sulfide	EPA	9030	Certified	NA
	Total Organic Carbon (TOC)	EPA	9060	Certified	NA
	Total Phenolics	EPA	9065	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
<b>SW/CS-IOC - Basic water (INCOMPLETE group)</b>					
	Ammonia (as N)	SM	4500-NH3 B (Distillation)	Certified	NA
	Ammonia (as N)	SM	4500-NH3 C (20-22)(Titration)	Certified	NA
	Ammonia (as N)	SM	4500-NH3 E (18) (Titration)	Certified	NA
	Ammonia (as N)	EPA	Timberline Method Ammonia-001	Certified	NA
	Biochemical Oxygen Demand (BOD5)	SM	5210 B	Certified	NA
	Bromide	EPA	9056	Certified	NA
	Chemical Oxygen Demand (COD)	SM	5220 D	Certified	NA
	Chemical Oxygen Demand (COD)	EPA	410.4 Rev 2.0 (1993)	Certified	NA
	Chloride	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Chloride	SM	4500 Cl C	Certified	NA
	Chloride	USGS	I-1184-85	Certified	NA
	Chloride	EPA	9056	Certified	NA
	Cyanide	EPA	9010	Certified	NA
	Cyanide	EPA	9014	Certified	NA
	Fluoride	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Fluoride	EPA	9056	Certified	NA
	Kjeldahl Nitrogen (Total as N)	EPA	351.2 Rev 2.0 (1993)	Certified	NA
	Nitrate (as N)	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Nitrate (as N)	EPA	9056	Certified	NA
	Nitrate-Nitrite (Total as N)	EPA	353.2 Rev 2.0 (1993)	Certified	NA
	Nitrite (as N)	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Nitrite (as N)	SM	4500 NO2 B	Certified	NA
	Nitrite (as N)	EPA	9056	Certified	NA
	Orthophosphate (as P)	EPA	9056	Certified	NA
	Perchlorate	EPA	314.0	Certified	NA
	pH	SM	4500-H+ B	Certified	NA
	pH	EPA	9040	Certified	NA
	Phosphate (Total as P)	EPA	365.4 (Issued 1974)	Certified	NA
	Phosphate (Total as P)	OTHR	Hach 8048	Certified	NA
	Specific conductance	SM	2510 B	Certified	NA
	Specific conductance	EPA	9050	Certified	NA
	Sulfate	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Sulfate	EPA	9056	Certified	NA
	Sulfide	EPA	9030	Certified	NA
	Total Organic Carbon (TOC)	EPA	9060	Certified	NA
	Total Organic Halide (TOX)	EPA	9020	Certified	NA
	Total Phenolics	EPA	9065	Certified	NA
<b>SW/CS-IOC - Metals waste/soils (INCOMPLETE group)</b>					
	Aluminum	EPA	6010	Certified	NA
	Antimony	EPA	6010	Certified	NA
	Antimony	EPA	6020	Certified	NA
	Arsenic	EPA	6010	Certified	NA
	Arsenic	EPA	6020	Certified	NA
	Barium	EPA	6010	Certified	NA
	Barium	EPA	6020	Certified	NA
	Beryllium	EPA	6010	Certified	NA
	Beryllium	EPA	6020	Certified	NA
	Boron	EPA	6010	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Cadmium	EPA	6010	Certified	NA
	Cadmium	EPA	6020	Certified	NA
	Calcium	EPA	6010	Certified	NA
	Chromium	EPA	6010	Certified	NA
	Chromium	EPA	6020	Certified	NA
	Chromium VI (Dissolved)	EPA	7196	Certified	NA
	Cobalt	EPA	6010	Certified	NA
	Cobalt	EPA	6020	Certified	NA
	Copper	EPA	6010	Certified	NA
	Copper	EPA	6020	Certified	NA
	Cyanide	EPA	9010	Certified	NA
	Cyanide	EPA	9014	Certified	NA
	Iron	EPA	6010	Certified	NA
	Lead	EPA	6010	Certified	NA
	Lead	EPA	6020	Certified	NA
	Magnesium	EPA	6010	Certified	NA
	Manganese	EPA	6010	Certified	NA
	Manganese	EPA	6020	Certified	NA
	Mercury	EPA	7471	Certified	NA
	Molybdenum	EPA	6010	Certified	NA
	Molybdenum	EPA	6020	Certified	NA
	Nickel	EPA	6010	Certified	NA
	Nickel	EPA	6020	Certified	NA
	Phosphorus (Total)	EPA	6010	Certified	NA
	Potassium	EPA	6010	Certified	NA
	Selenium	EPA	6010	Certified	NA
	Selenium	EPA	6020	Certified	NA
	Silver	EPA	6010	Certified	NA
	Silver	EPA	6020	Certified	NA
	Sodium	EPA	6010	Certified	NA
	Strontium	EPA	6010	Certified	NA
	Thallium	EPA	6010	Certified	NA
	Thallium	EPA	6020	Certified	NA
	Tin (Total)	EPA	6010	Certified	NA
	Vanadium	EPA	6010	Certified	NA
	Vanadium	EPA	6020	Certified	NA
	Zinc	EPA	6010	Certified	NA
	Zinc	EPA	6020	Certified	NA

SW/CS-IOC - Metals water (INCOMPLETE group)

	Aluminum	EPA	6010	Certified	NA
	Antimony	EPA	6010	Certified	NA
	Antimony	EPA	6020	Certified	NA
	Arsenic	EPA	6010	Certified	NA
	Arsenic	EPA	6020	Certified	NA
	Barium	EPA	6010	Certified	NA
	Barium	EPA	6020	Certified	NA
	Beryllium	EPA	6010	Certified	NA
	Beryllium	EPA	6020	Certified	NA
	Boron	EPA	6010	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Cadmium	EPA	6010	Certified	NA
	Cadmium	EPA	6020	Certified	NA
	Calcium	EPA	6010	Certified	NA
	Chromium	EPA	6010	Certified	NA
	Chromium	EPA	6020	Certified	NA
	Chromium VI (Dissolved)	SM	3500-Cr D (18, 19)	Certified	NA
	Chromium VI (Dissolved)	EPA	7196	Certified	NA
	Cobalt	EPA	6010	Certified	NA
	Cobalt	EPA	6020	Certified	NA
	Copper	EPA	6010	Certified	NA
	Copper	EPA	6020	Certified	NA
	Cyanide	EPA	9010	Certified	NA
	Cyanide	EPA	9014	Certified	NA
	Iron	EPA	6010	Certified	NA
	Lead	EPA	6010	Certified	NA
	Lead	EPA	6020	Certified	NA
	Magnesium	EPA	6010	Certified	NA
	Manganese	EPA	6010	Certified	NA
	Manganese	EPA	6020	Certified	NA
	Mercury	EPA	7470	Certified	NA
	Molybdenum	EPA	6010	Certified	NA
	Molybdenum	EPA	6020	Certified	NA
	Nickel	EPA	6010	Certified	NA
	Nickel	EPA	6020	Certified	NA
	Phosphorus (Total)	EPA	6010	Certified	NA
	Potassium	EPA	6010	Certified	NA
	Selenium	EPA	6010	Certified	NA
	Selenium	EPA	6020	Certified	NA
	Silver	EPA	6010	Certified	NA
	Silver	EPA	6020	Certified	NA
	Sodium	EPA	6010	Certified	NA
	Strontium	EPA	6010	Certified	NA
	Thallium	EPA	6010	Certified	NA
	Thallium	EPA	6020	Certified	NA
	Tin (Total)	EPA	6010	Certified	NA
	Vanadium	EPA	6010	Certified	NA
	Vanadium	EPA	6020	Certified	NA
	Zinc	EPA	6010	Certified	NA
	Zinc	EPA	6020	Certified	NA

SW/CS-IOC - Metals sludge (INCOMPLETE group)

	Antimony (Total)	EPA	6010	Certified	NA
	Antimony (Total)	EPA	6020	Certified	NA
	Arsenic (Total)	EPA	6010	Certified	NA
	Arsenic (Total)	EPA	6020	Certified	NA
	Barium (Total)	EPA	6010	Certified	NA
	Barium (Total)	EPA	6020	Certified	NA
	Beryllium (Total)	EPA	6010	Certified	NA
	Beryllium (Total)	EPA	6020	Certified	NA
	Boron (Total)	EPA	6010	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Cadmium (Total)	EPA	6010	Certified	NA
	Cadmium (Total)	EPA	6020	Certified	NA
	Chromium (Total)	EPA	6010	Certified	NA
	Chromium (Total)	EPA	6020	Certified	NA
	Cobalt (Total)	EPA	6010	Certified	NA
	Cobalt (Total)	EPA	6020	Certified	NA
	Copper (Total)	EPA	6010	Certified	NA
	Copper (Total)	EPA	6020	Certified	NA
	Iron (Total)	EPA	6010	Certified	NA
	Lead (Total)	EPA	6010	Certified	NA
	Lead (Total)	EPA	6020	Certified	NA
	Manganese (Total)	EPA	6010	Certified	NA
	Manganese (Total)	EPA	6020	Certified	NA
	Mercury (Total)	EPA	7470	Certified	NA
	Mercury (Total)	EPA	7471	Certified	NA
	Molybdenum (Total)	EPA	6010	Certified	NA
	Molybdenum (Total)	EPA	6020	Certified	NA
	Nickel (Total)	EPA	6010	Certified	NA
	Nickel (Total)	EPA	6020	Certified	NA
	Selenium (Total)	EPA	6010	Certified	NA
	Selenium (Total)	EPA	6020	Certified	NA
	Silver (Total)	EPA	6010	Certified	NA
	Silver (Total)	EPA	6020	Certified	NA
	Thallium (Total)	EPA	6010	Certified	NA
	Thallium (Total)	EPA	6020	Certified	NA
	Tin (Total)	EPA	6010	Certified	NA
	Zinc (Total)	EPA	6010	Certified	NA
	Zinc (Total)	EPA	6020	Certified	NA
	Residue (total)	SM	2540 G	Certified	NA
	Residue-Volatile	SM	2540 G	Certified	NA

**SW/CS-SOC - Chlorinated insecticides waste/soils (COMPLETE group)**

Aldrin	EPA	8081	Certified	NA
alpha-BHC	EPA	8081	Certified	NA
alpha-Chlordane	EPA	8081	Certified	NA
Aroclor 1016	EPA	8082	Certified	NA
Aroclor 1221	EPA	8082	Certified	NA
Aroclor 1232	EPA	8082	Certified	NA
Aroclor 1242	EPA	8082	Certified	NA
Aroclor 1248	EPA	8082	Certified	NA
Aroclor 1254	EPA	8082	Certified	NA
Aroclor 1260	EPA	8082	Certified	NA
beta-BHC	EPA	8081	Certified	NA
gamma-Chlordane	EPA	8081	Certified	NA
Chlordane	EPA	8081	Certified	NA
4,4'-DDD	EPA	8081	Certified	NA
4,4'-DDE	EPA	8081	Certified	NA
4,4'-DDT	EPA	8081	Certified	NA
delta-BHC	EPA	8081	Certified	NA
Dieldrin	EPA	8081	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Endosulfan I	EPA	8081	Certified	NA
	Endosulfan II	EPA	8081	Certified	NA
	Endosulfan sulfate	EPA	8081	Certified	NA
	Endrin	EPA	8081	Certified	NA
	Endrin aldehyde	EPA	8081	Certified	NA
	Endrin ketone	EPA	8081	Certified	NA
	gamma-BHC (Lindane)	EPA	8081	Certified	NA
	Heptachlor	EPA	8081	Certified	NA
	Heptachlor epoxide	EPA	8081	Certified	NA
	Methoxychlor	EPA	8081	Certified	NA
	Toxaphene	EPA	8081	Certified	NA

SW/CS-SOC - Chlorinated insecticides water (COMPLETE group)

	Aldrin	EPA	8081	Certified	NA
	alpha-BHC	EPA	8081	Certified	NA
	alpha-Chlordane	EPA	8081	Certified	NA
	Aroclor 1016	EPA	8082	Certified	NA
	Aroclor 1221	EPA	8082	Certified	NA
	Aroclor 1232	EPA	8082	Certified	NA
	Aroclor 1242	EPA	8082	Certified	NA
	Aroclor 1248	EPA	8082	Certified	NA
	Aroclor 1254	EPA	8082	Certified	NA
	Aroclor 1260	EPA	8082	Certified	NA
	beta-BHC	EPA	8081	Certified	NA
	gamma-Chlordane	EPA	8081	Certified	NA
	Chlordane	EPA	8081	Certified	NA
	4,4'-DDD	EPA	8081	Certified	NA
	4,4'-DDE	EPA	8081	Certified	NA
	4,4'-DDT	EPA	8081	Certified	NA
	delta-BHC	EPA	8081	Certified	NA
	Dieldrin	EPA	8081	Certified	NA
	Endosulfan I	EPA	8081	Certified	NA
	Endosulfan II	EPA	8081	Certified	NA
	Endosulfan sulfate	EPA	8081	Certified	NA
	Endrin	EPA	8081	Certified	NA
	Endrin aldehyde	EPA	8081	Certified	NA
	Endrin ketone	EPA	8081	Certified	NA
	gamma-BHC (Lindane)	EPA	8081	Certified	NA
	Heptachlor	EPA	8081	Certified	NA
	Heptachlor epoxide	EPA	8081	Certified	NA
	Methoxychlor	EPA	8081	Certified	NA
	Toxaphene	EPA	8081	Certified	NA

SW/CS-SOC - Herbicides waste/soils (INCOMPLETE group)

	2,4,5-TP (Silvex)	EPA	8151	Certified	NA
	2,4-D	EPA	8151	Certified	NA
	Acetochlor	EPA	8141	Certified	NA
	Acifluorfen (Blazer)	EPA	8151	Certified	NA
	Alachlor (Lasso)	EPA	8141	Certified	NA
	Atrazine	EPA	8141	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Butylate (Sutan)	EPA	8141	Certified	NA
	Carbofuran (Furadan)	EPA	8141	Certified	NA
	Chlorpyrifos (Dursban)	EPA	8141	Certified	NA
	Cyanazine (Bladex)	EPA	8141	Certified	NA
	des Ethyl Atrazine	EPA	8141	Certified	NA
	des Isopropyl Atrazine	EPA	8141	Certified	NA
	Diallate	EPA	8141	Certified	NA
	Diallate	EPA	8270	Certified	NA
	Dicamba (Banvel)	EPA	8151	Certified	NA
	Dimetheneamide	EPA	8141	Certified	NA
	Disulfoton	EPA	8141	Certified	NA
	EPTC	EPA	8141	Certified	NA
	Ethafluralin	EPA	8141	Certified	NA
	Ethoprop (MoCap)	EPA	8141	Certified	NA
	Fonofos (Dyfonate)	EPA	8141	Certified	NA
	Kepone	EPA	8270	Certified	NA
	Methapyrilene	EPA	8270	Certified	NA
	Metolachlor (Dual)	EPA	8141	Certified	NA
	Metribuzin (Sencor)	EPA	8141	Certified	NA
	Phorate (Thimet)	EPA	8141	Certified	NA
	Prometon	EPA	8141	Certified	NA
	Propachlor	EPA	8141	Certified	NA
	Propazine	EPA	8141	Certified	NA
	Safrole	EPA	8270	Certified	NA
	Simazine	EPA	8141	Certified	NA
	Terbufos (Counter)	EPA	8141	Certified	NA
	Trifluralin (Treflan)	EPA	8141	Certified	NA

SW/CS-SOC - Herbicides water (INCOMPLETE group)

	2,4,5-TP (Silvex)	EPA	8151	Certified	NA
	2,4-D	EPA	8151	Certified	NA
	Acetochlor	EPA	8141	Certified	NA
	Acifluorfen (Blazer)	EPA	8151	Certified	NA
	Alachlor (Lasso)	EPA	8141	Certified	NA
	Atrazine	EPA	8141	Certified	NA
	Butylate (Sutan)	EPA	8141	Certified	NA
	Carbofuran (Furadan)	EPA	8141	Certified	NA
	Chlorpyrifos (Dursban)	EPA	8141	Certified	NA
	Cyanazine (Bladex)	EPA	8141	Certified	NA
	des Ethyl Atrazine	EPA	8141	Certified	NA
	des Isopropyl Atrazine	EPA	8141	Certified	NA
	Dicamba (Banvel)	EPA	8151	Certified	NA
	Diallate	EPA	8141	Certified	NA
	Diallate	EPA	8270	Certified	NA
	Disulfoton	EPA	8141	Certified	NA
	Ethoprop (MoCap)	EPA	8141	Certified	NA
	Fonofos (Dyfonate)	EPA	8141	Certified	NA
	Kepone	EPA	8270	Certified	NA
	Methapyrilene	EPA	8270	Certified	NA
	Metolachlor (Dual)	EPA	8141	Certified	NA



### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Metribuzin (Sencor)	EPA	8141	Certified	NA
	Phorate (Thimet)	EPA	8141	Certified	NA
	Safrole	EPA	8270	Certified	NA
	Terbufos (Counter)	EPA	8141	Certified	NA
	Trifluralin (Treflan)	EPA	8141	Certified	NA

SW/CS-SOC - PAH waste/soils (COMPLETE group)

2-Methylnaphthalene	EPA	8270	Certified	NA
3-Methylcholanthrene	EPA	8270	Certified	NA
7,12-Dimethylbenz[a]anthracene	EPA	8270	Certified	NA
Acenaphthene	EPA	8270	Certified	NA
Acenaphthene	EPA	8310	Certified	NA
Acenaphthylene	EPA	8270	Certified	NA
Acenaphthylene	EPA	8310	Certified	NA
Anthracene	EPA	8270	Certified	NA
Anthracene	EPA	8310	Certified	NA
Benzo(a)anthracene	EPA	8270	Certified	NA
Benzo(a)anthracene	EPA	8310	Certified	NA
Benzo(a)pyrene	EPA	8270	Certified	NA
Benzo(a)pyrene	EPA	8310	Certified	NA
Benzo(e)pyrene	EPA	8270	Certified	NA
Benzo(b)fluoranthene	EPA	8270	Certified	NA
Benzo(b)fluoranthene	EPA	8310	Certified	NA
Benzo(g,h,i)perylene	EPA	8270	Certified	NA
Benzo(g,h,i)perylene	EPA	8310	Certified	NA
Benzo(k)fluoranthene	EPA	8270	Certified	NA
Benzo(k)fluoranthene	EPA	8310	Certified	NA
Carbazole	EPA	8270	Certified	NA
Chrysene	EPA	8270	Certified	NA
Chrysene	EPA	8310	Certified	NA
Dibenzo(a,h)anthracene	EPA	8270	Certified	NA
Dibenzo(a,h)anthracene	EPA	8310	Certified	NA
Dibenzofuran	EPA	8270	Certified	NA
Fluoranthene	EPA	8270	Certified	NA
Fluoranthene	EPA	8310	Certified	NA
Fluorene	EPA	8270	Certified	NA
Fluorene	EPA	8310	Certified	NA
Indeno(1,2,3-cd)pyrene	EPA	8270	Certified	NA
Indeno(1,2,3-cd)pyrene	EPA	8310	Certified	NA
Naphthalene	EPA	8270	Certified	NA
Naphthalene	EPA	8310	Certified	NA
Phenanthrene	EPA	8270	Certified	NA
Phenanthrene	EPA	8310	Certified	NA
Pyrene	EPA	8270	Certified	NA
Pyrene	EPA	8310	Certified	NA

SW/CS-SOC - PAH water (COMPLETE group)

2-Methylnaphthalene	EPA	8270	Certified	NA
3-Methylcholanthrene	EPA	8270	Certified	NA
7,12-Dimethylbenz[a]anthracene	EPA	8270	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Acenaphthene	EPA	8270	Certified	NA
	Acenaphthene	EPA	8310	Certified	NA
	Acenaphthylene	EPA	8270	Certified	NA
	Acenaphthylene	EPA	8310	Certified	NA
	Anthracene	EPA	8270	Certified	NA
	Anthracene	EPA	8310	Certified	NA
	Benzo(a)anthracene	EPA	8270	Certified	NA
	Benzo(a)anthracene	EPA	8310	Certified	NA
	Benzo(a)pyrene	EPA	8270	Certified	NA
	Benzo(a)pyrene	EPA	8310	Certified	NA
	Benzo(e)pyrene	EPA	8270	Certified	NA
	Benzo(b)fluoranthene	EPA	8270	Certified	NA
	Benzo(b)fluoranthene	EPA	8310	Certified	NA
	Benzo(g,h,i)perylene	EPA	8270	Certified	NA
	Benzo(g,h,i)perylene	EPA	8310	Certified	NA
	Benzo(k)fluoranthene	EPA	8270	Certified	NA
	Benzo(k)fluoranthene	EPA	8310	Certified	NA
	Carbazole	EPA	8270	Certified	NA
	Chrysene	EPA	8270	Certified	NA
	Chrysene	EPA	8310	Certified	NA
	Dibenzo(a,h)anthracene	EPA	8270	Certified	NA
	Dibenzo(a,h)anthracene	EPA	8310	Certified	NA
	Dibenzofuran	EPA	8270	Certified	NA
	Fluoranthene	EPA	8270	Certified	NA
	Fluoranthene	EPA	8310	Certified	NA
	Fluorene	EPA	8270	Certified	NA
	Fluorene	EPA	8310	Certified	NA
	Indeno(1,2,3-cd)pyrene	EPA	8270	Certified	NA
	Indeno(1,2,3-cd)pyrene	EPA	8310	Certified	NA
	Naphthalene	EPA	8270	Certified	NA
	Naphthalene	EPA	8310	Certified	NA
	Phenanthrene	EPA	8270	Certified	NA
	Phenanthrene	EPA	8310	Certified	NA
	Pyrene	EPA	8270	Certified	NA
	Pyrene	EPA	8310	Certified	NA
<b>SW/CS-SOC - Explosives waste/soil (COMPLETE group)</b>					
	RDX, Total	EPA	8330	Certified	NA
	HMX	EPA	8330	Certified	NA
	2,4-Dinitrotoluene	EPA	8330	Certified	NA
	Trinitrotoluene	EPA	8330	Certified	NA
<b>SW/CS-SOC - Semivolatiles waste/soils (INCOMPLETE group)</b>					
	1,2,4,5-Tetrachlorobenzene	EPA	8270	Certified	NA
	1,2,4-Trichlorobenzene	EPA	8270	Certified	NA
	1,2-Dichlorobenzene	EPA	8270	Certified	NA
	1,3-Dichlorobenzene	EPA	8270	Certified	NA
	1,4-Dichlorobenzene	EPA	8270	Certified	NA
	1,4-Naphthquinone	EPA	8270	Certified	NA
	1-Naphthylamine	EPA	8270	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	2,3,4,6-Tetrachlorophenol	EPA	8270	Certified	NA
	2,4,5-Trichlorophenol	EPA	8270	Certified	NA
	2,4,6-Trichlorophenol	EPA	8270	Certified	NA
	2,4-Dichlorophenol	EPA	8270	Certified	NA
	2,4-Dimethylphenol	EPA	8270	Certified	NA
	2,4-Dinitrophenol	EPA	8270	Certified	NA
	2,4-Dinitrotoluene	EPA	8270	Certified	NA
	2,6-Dichlorophenol	EPA	8270	Certified	NA
	2,6-Dinitrotoluene	EPA	8270	Certified	NA
	2-Acetylaminofluorene	EPA	8270	Certified	NA
	2-Chloronaphthalene	EPA	8270	Certified	NA
	2-Chlorophenol	EPA	8270	Certified	NA
	2-Methylnaphthalene	EPA	8270	Certified	NA
	2-Methylphenol	EPA	8270	Certified	NA
	2-Naphthylamine	EPA	8270	Certified	NA
	2-Nitroaniline	EPA	8270	Certified	NA
	2-Nitrophenol	EPA	8270	Certified	NA
	3,3'-Dichlorobenzidine	EPA	8270	Certified	NA
	3-Methylphenol	EPA	8270	Certified	NA
	3-Nitroaniline	EPA	8270	Certified	NA
	4,6-Dinitro-2-methylphenol	EPA	8270	Certified	NA
	4-Aminobiphenyl	EPA	8270	Certified	NA
	4-Bromophenyl phenyl ether	EPA	8270	Certified	NA
	4-Chloro-3-methylphenol	EPA	8270	Certified	NA
	4-Chloroaniline	EPA	8270	Certified	NA
	4-Chlorophenyl phenyl ether	EPA	8270	Certified	NA
	4-Methylphenol	EPA	8270	Certified	NA
	4-Nitroaniline	EPA	8270	Certified	NA
	4-Nitrophenol	EPA	8270	Certified	NA
	5-Nitro-o-toluidine	EPA	8270	Certified	NA
	Acetophenone	EPA	8270	Certified	NA
	Benzoic Acid	EPA	8270	Certified	NA
	Benzyl Alcohol	EPA	8270	Certified	NA
	Di(2-chloroethoxy)methane	EPA	8270	Certified	NA
	Di(2-chloroethyl)ether	EPA	8270	Certified	NA
	Di(2-chloroisopropyl)ether (DCIP)	EPA	8270	Certified	NA
	Di(2-ethylhexyl)phthalate	EPA	8270	Certified	NA
	Diphenylamine	EPA	8270	Certified	NA
	Butyl benzyl phthalate	EPA	8270	Certified	NA
	Carbazole	EPA	8270	Certified	NA
	Chlorobenzilate	EPA	8270	Certified	NA
	Dibenzofuran	EPA	8270	Certified	NA
	Diethyl phthalate	EPA	8270	Certified	NA
	Dimethyl phthalate	EPA	8270	Certified	NA
	Di-n-Butyl Phthlate	EPA	8270	Certified	NA
	Di-n-octyl phthalate	EPA	8270	Certified	NA
	Ethyl methanesulfonate	EPA	8270	Certified	NA
	Hexachlorobenzene	EPA	8270	Certified	NA
	Hexachlorobutadiene	EPA	8270	Certified	NA
	Hexachlorocyclopentadiene	EPA	8270	Certified	NA

## APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Hexachloroethane	EPA	8270	Certified	NA
	Hexachloropropene	EPA	8270	Certified	NA
	Isodrin	EPA	8270	Certified	NA
	Isophorone	EPA	8270	Certified	NA
	Isosafrole	EPA	8270	Certified	NA
	m-Dinitrobenzene	EPA	8270	Certified	NA
	Methyl methanesulfonate	EPA	8270	Certified	NA
	Naphthalene	EPA	8270	Certified	NA
	Nitrobenzene	EPA	8270	Certified	NA
	N-Nitrosodi-n-butylamine	EPA	8270	Certified	NA
	n-Nitroso-di-n-Dipropylamine	EPA	8270	Certified	NA
	n-Nitrosodimethylamine	EPA	8270	Certified	NA
	N-Nitrosomethylethalamine	EPA	8270	Certified	NA
	N-Nitrosopiperidine	EPA	8270	Certified	NA
	N-Nitrosopyrrolidine	EPA	8270	Certified	NA
	o-Toluidine	EPA	8270	Certified	NA
	p-(Dimethylamino)azobenzene	EPA	8270	Certified	NA
	p-Phenylenediamine	EPA	8270	Certified	NA
	Pentachlorobenzene	EPA	8270	Certified	NA
	Pentachloronitrobenzene	EPA	8270	Certified	NA
	Pentachlorophenol	EPA	8270	Certified	NA
	Phenacetin	EPA	8270	Certified	NA
	Phenol	EPA	8270	Certified	NA
	Pronamide	EPA	8270	Certified	NA
	Pyridine	EPA	8270	Certified	NA
	sym-Trinitrobenzene	EPA	8270	Certified	NA

**SW/CS-SOC - Semivolatiles water (INCOMPLETE group)**

	1,2,4,5-Tetrachlorobenzene	EPA	8270	Certified	NA
	1,2,4-Trichlorobenzene	EPA	8270	Certified	NA
	1,2-Dichlorobenzene	EPA	8270	Certified	NA
	1,3-Dichlorobenzene	EPA	8270	Certified	NA
	1,4-Dichlorobenzene	EPA	8270	Certified	NA
	1,4-Naphthquinone	EPA	8270	Certified	NA
	1-Naphthylamine	EPA	8270	Certified	NA
	2,3,4,6-Tetrachlorophenol	EPA	8270	Certified	NA
	2,4,5-Trichlorophenol	EPA	8270	Certified	NA
	2,4,6-Trichlorophenol	EPA	8270	Certified	NA
	2,4-Dichlorophenol	EPA	8270	Certified	NA
	2,4-Dimethylphenol	EPA	8270	Certified	NA
	2,4-Dinitrophenol	EPA	8270	Certified	NA
	2,4-Dinitrotoluene	EPA	8270	Certified	NA
	2,6-Dichlorophenol	EPA	8270	Certified	NA
	2,6-Dinitrotoluene	EPA	8270	Certified	NA
	2-Acetylaminofluorene	EPA	8270	Certified	NA
	2-Chloronaphthalene	EPA	8270	Certified	NA
	2-Chlorophenol	EPA	8270	Certified	NA
	2-Methylnaphthalene	EPA	8270	Certified	NA
	2-Methylphenol	EPA	8270	Certified	NA
	2-Naphthylamine	EPA	8270	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	2-Nitroaniline	EPA	8270	Certified	NA
	2-Nitrophenol	EPA	8270	Certified	NA
	3,3'-Dichlorobenzidine	EPA	8270	Certified	NA
	3-Methylphenol	EPA	8270	Certified	NA
	3-Nitroaniline	EPA	8270	Certified	NA
	4,6-Dinitro-2-methylphenol	EPA	8270	Certified	NA
	4-Aminobiphenyl	EPA	8270	Certified	NA
	4-Bromophenyl phenyl ether	EPA	8270	Certified	NA
	4-Chloro-3-methylphenol	EPA	8270	Certified	NA
	4-Chloroaniline	EPA	8270	Certified	NA
	4-Chlorophenyl phenyl ether	EPA	8270	Certified	NA
	4-Methylphenol	EPA	8270	Certified	NA
	4-Nitroaniline	EPA	8270	Certified	NA
	4-Nitrophenol	EPA	8270	Certified	NA
	5-Nitro-o-toluidine	EPA	8270	Certified	NA
	Acetophenone	EPA	8270	Certified	NA
	Benzoic Acid	EPA	8270	Certified	NA
	Benzyl Alcohol	EPA	8270	Certified	NA
	Di(2-chloroethoxy)methane	EPA	8270	Certified	NA
	Di(2-chloroethyl)ether	EPA	8270	Certified	NA
	Di(2-chloroisopropyl)ether (DCIP)	EPA	8270	Certified	NA
	Di(2-ethylhexyl)phthalate	EPA	8270	Certified	NA
	Diphenylamine	EPA	8270	Certified	NA
	Butyl benzyl phthalate	EPA	8270	Certified	NA
	Carbazole	EPA	8270	Certified	NA
	Chlorobenzilate	EPA	8270	Certified	NA
	Dibenzofuran	EPA	8270	Certified	NA
	Diethyl phthalate	EPA	8270	Certified	NA
	Dimethyl phthalate	EPA	8270	Certified	NA
	Di-n-Butyl Phthlate	EPA	8270	Certified	NA
	Di-n-octyl phthalate	EPA	8270	Certified	NA
	Ethyl methanesulfonate	EPA	8270	Certified	NA
	Hexachlorobenzene	EPA	8270	Certified	NA
	Hexachlorobutadiene	EPA	8270	Certified	NA
	Hexachlorocyclopentadiene	EPA	8270	Certified	NA
	Hexachloroethane	EPA	8270	Certified	NA
	Hexachloropropene	EPA	8270	Certified	NA
	Isodrin	EPA	8270	Certified	NA
	Isophorone	EPA	8270	Certified	NA
	Isosafrole	EPA	8270	Certified	NA
	m-Dinitrobenzene	EPA	8270	Certified	NA
	Methyl methanesulfonate	EPA	8270	Certified	NA
	Naphthalene	EPA	8270	Certified	NA
	Nitrobenzene	EPA	8270	Certified	NA
	N-Nitrosodi-n-butylamine	EPA	8270	Certified	NA
	n-Nitroso-di-n-Dipropylamine	EPA	8270	Certified	NA
	n-Nitrosodimethylamine	EPA	8270	Certified	NA
	N-Nitrosomethylethalamine	EPA	8270	Certified	NA
	N-Nitrosopiperidine	EPA	8270	Certified	NA
	N-Nitrosopyrrolidine	EPA	8270	Certified	NA

## APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	o-Toluidine	EPA	8270	Certified	NA
	p-(Dimethylamino)azobenzene	EPA	8270	Certified	NA
	p-Phenylenediamine	EPA	8270	Certified	NA
	Pentachlorobenzene	EPA	8270	Certified	NA
	Pentachloronitrobenzene	EPA	8270	Certified	NA
	Pentachlorophenol	EPA	8270	Certified	NA
	Phenacetin	EPA	8270	Certified	NA
	Phenol	EPA	8270	Certified	NA
	Pronamide	EPA	8270	Certified	NA
	Pyridine	EPA	8270	Certified	NA
	sym-Trinitrobenzene	EPA	8270	Certified	NA
<b>SW/CS-UST - Gasoline and diesel waste/soils (COMPLETE group)</b>					
	Total Extractable Hydrocarbons	OTHR	OA-2	Certified	NA
	Total Extractable Hydrocarbons	EPA	8015 B	Certified	NA
	Volatile Petroleum Hydrocarbons	OTHR	OA-1	Certified	NA
	Volatile Petroleum Hydrocarbons	EPA	8015 B	Certified	NA
	Volatile Petroleum Hydrocarbons	EPA	8260 B	Certified	NA
<b>SW/CS-UST - Gasoline and diesel water (COMPLETE group)</b>					
	Total Extractable Hydrocarbons	OTHR	OA-2	Certified	NA
	Total Extractable Hydrocarbons	EPA	8015 B	Certified	NA
	Volatile Petroleum Hydrocarbons	OTHR	OA-1	Certified	NA
	Volatile Petroleum Hydrocarbons	EPA	8015 B	Certified	NA
	Volatile Petroleum Hydrocarbons	EPA	8260 B	Certified	NA
<b>SW/CS-VOC - Volatiles waste/soils (INCOMPLETE group)</b>					
	1,1,1,2-Tetrachloroethane	EPA	8260	Certified	NA
	1,1,1-Trichloroethane	EPA	8260	Certified	NA
	1,1,2,2-Tetrachloroethane	EPA	8260	Certified	NA
	1,1,2-Trichloroethane	EPA	8260	Certified	NA
	1,1-Dichloroethane	EPA	8260	Certified	NA
	1,1-Dichloroethene	EPA	8260	Certified	NA
	1,2,3-Trichloropropane	EPA	8260	Certified	NA
	1,2-Dibromo-3-chloropropane (DBCP)	EPA	8260	Certified	NA
	1,2-Dibromoethane (EDB)	EPA	8260	Certified	NA
	1,2-Dichlorobenzene	EPA	8260	Certified	NA
	1,2-Dichlorobenzene	EPA	8270	Certified	NA
	1,2-Dichloroethane	EPA	8260	Certified	NA
	1,2-Dichloropropane	EPA	8260	Certified	NA
	1,3-Dichlorobenzene	EPA	8260	Certified	NA
	1,3-Dichlorobenzene	EPA	8270	Certified	NA
	1,4-Dichlorobenzene	EPA	8260	Certified	NA
	1,4-Dichlorobenzene	EPA	8270	Certified	NA
	2-Hexanone	EPA	8260	Certified	NA
	2,2-Dichloropropane	EPA	8260	Certified	NA
	4-Methyl-2-Pentanone	EPA	8260	Certified	NA
	Acetone	EPA	8260	Certified	NA
	Acrylonitrile	EPA	8260	Certified	NA
	Benzene	EPA	8021	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Benzene	EPA	8260	Certified	NA
	Bromochloromethane	EPA	8260	Certified	NA
	Bromodichloromethane	EPA	8260	Certified	NA
	Bromoform	EPA	8260	Certified	NA
	Bromomethane	EPA	8260	Certified	NA
	Carbon disulfide	EPA	8260	Certified	NA
	Carbon tetrachloride	EPA	8260	Certified	NA
	Chlorobenzene	EPA	8260	Certified	NA
	Chlorodibromomethane	EPA	8260	Certified	NA
	Chloroethane	EPA	8260	Certified	NA
	Chloroform	EPA	8260	Certified	NA
	Chloromethane	EPA	8260	Certified	NA
	cis-1,2-Dichloroethene	EPA	8260	Certified	NA
	cis 1,3-Dichloropropene	EPA	8260	Certified	NA
	Ethylbenzene	EPA	8021	Certified	NA
	Ethylbenzene	EPA	8260	Certified	NA
	Methacrylonitrile	EPA	8260	Certified	NA
	Methyl Ethyl Ketone (2-Butanone)	EPA	8260	Certified	NA
	Methyl Iodide (Iodomethane)	EPA	8260	Certified	NA
	Methyl methacrylate	EPA	8260	Certified	NA
	Methyl tert-Butyl Ether (MtBE)	EPA	8260	Certified	NA
	Methylene Bromide (Dibromomethane)	EPA	8260	Certified	NA
	Methylene chloride	EPA	8260	Certified	NA
	Propionitrile (Ethyl cyanide)	EPA	8260	Certified	NA
	Styrene	EPA	8260	Certified	NA
	Tetrachloroethene	EPA	8260	Certified	NA
	Toluene	EPA	8021	Certified	NA
	Toluene	EPA	8260	Certified	NA
	trans-1,2-Dichloroethene	EPA	8260	Certified	NA
	trans-1,3-Dichloropropene	EPA	8260	Certified	NA
	trans-1,4-Dichloro-2-Butene	EPA	8260	Certified	NA
	Trichloroethene	EPA	8260	Certified	NA
	Trichlorofluoromethane (CFC-11)	EPA	8260	Certified	NA
	Vinyl Acetate	EPA	8260	Certified	NA
	Vinyl Chloride	EPA	8260	Certified	NA
	Xylenes (Total)	EPA	8021	Certified	NA
	Xylenes (Total)	EPA	8260	Certified	NA

SW/CS-VOC - Volatiles water (INCOMPLETE group)

1,1,1,2-Tetrachloroethane	EPA	8260	Certified	NA
1,1,1-Trichloroethane	EPA	8260	Certified	NA
1,1,2,2-Tetrachloroethane	EPA	8260	Certified	NA
1,1,2-Trichloroethane	EPA	8260	Certified	NA
1,1-Dichloroethane	EPA	8260	Certified	NA
1,1-Dichloroethene	EPA	8260	Certified	NA
1,1-Dichloropropene	EPA	8260	Certified	NA
1,2,3-Trichloropropane	EPA	8260	Certified	NA
1,2-Dibromo-3-chloropropane (DBCP)	EPA	8260	Certified	NA
1,2-Dibromoethane (EDB)	EPA	8260	Certified	NA
1,2-Dichlorobenzene	EPA	8260	Certified	NA



### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	1,2-Dichlorobenzene	EPA	8270	Certified	NA
	1,2-Dichloroethane	EPA	8260	Certified	NA
	1,2-Dichloropropane	EPA	8260	Certified	NA
	1,3-Dichlorobenzene	EPA	8260	Certified	NA
	1,3-Dichlorobenzene	EPA	8270	Certified	NA
	1,3-Dichloropropane	EPA	8260	Certified	NA
	1,4-Dichlorobenzene	EPA	8260	Certified	NA
	1,4-Dichlorobenzene	EPA	8270	Certified	NA
	2-Acetylaminofluorene (2-AAF)	EPA	8270	Certified	NA
	2-Hexanone	EPA	8260	Certified	NA
	2,2-Dichloropropane	EPA	8260	Certified	NA
	3,3\1-Dimethylbenzidine	EPA	8270	Certified	NA
	4-Methyl-2-Pentanone	EPA	8260	Certified	NA
	4,6-Dinitro-2-methylphenol	EPA	8270	Certified	NA
	Acetone	EPA	8260	Certified	NA
	Acrolein	EPA	8260	Certified	NA
	Acrylonitrile	EPA	8260	Certified	NA
	Allyl chloride	EPA	8260	Certified	NA
	Benzene	EPA	8021	Certified	NA
	Benzene	EPA	8260	Certified	NA
	Bromochloromethane	EPA	8260	Certified	NA
	Bromodichloromethane	EPA	8260	Certified	NA
	Bromoform	EPA	8260	Certified	NA
	Bromomethane	EPA	8260	Certified	NA
	Carbon disulfide	EPA	8260	Certified	NA
	Carbon tetrachloride	EPA	8260	Certified	NA
	Chlorobenzene	EPA	8260	Certified	NA
	Chlorodibromomethane	EPA	8260	Certified	NA
	Chloroethane	EPA	8260	Certified	NA
	Chloroform	EPA	8260	Certified	NA
	Chloromethane	EPA	8260	Certified	NA
	Chloroprene	EPA	8260	Certified	NA
	cis-1,2-Dichloroethene	EPA	8260	Certified	NA
	cis 1,3-Dichloropropene	EPA	8260	Certified	NA
	Dichlorodifluoromethane	EPA	8260	Certified	NA
	Dimethoate	EPA	8141	Certified	NA
	Dinoseb (DNBP)	EPA	8270	Certified	NA
	Disulfoton	EPA	8141	Certified	NA
	Ethylbenzene	EPA	8021	Certified	NA
	Ethylbenzene	EPA	8260	Certified	NA
	Isobutyl alcohol	EPA	8260	Certified	NA
	Methacrylonitrile	EPA	8260	Certified	NA
	Methyl Ethyl Ketone (2-Butanone)	EPA	8260	Certified	NA
	Methyl Iodide (Iodomethane)	EPA	8260	Certified	NA
	Methyl methacrylate	EPA	8260	Certified	NA
	Methyl tert-Butyl Ether (MtBE)	EPA	8260	Certified	NA
	Methylene Bromide (Dibromomethane)	EPA	8260	Certified	NA
	Methylene chloride	EPA	8260	Certified	NA
	Propionitrile (Ethyl cyanide)	EPA	8260	Certified	NA
	Styrene	EPA	8260	Certified	NA

### APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Tetrachloroethene	EPA	8260	Certified	NA
	Toluene	EPA	8021	Certified	NA
	Toluene	EPA	8260	Certified	NA
	trans-1,2-Dichloroethene	EPA	8260	Certified	NA
	trans-1,3-Dichloropropene	EPA	8260	Certified	NA
	trans-1,4-Dichloro-2-Butene	EPA	8260	Certified	NA
	Trichloroethene	EPA	8260	Certified	NA
	Trichlorofluoromethane (CFC-11)	EPA	8260	Certified	NA
	Vinyl Acetate	EPA	8260	Certified	NA
	Vinyl Chloride	EPA	8260	Certified	NA
	Xylenes (Total)	EPA	8021	Certified	NA
	Xylenes (Total)	EPA	8260	Certified	NA

**SW/CS-TCLP/SPLP - TCLP/SPLP waste/soils (COMPLETE group)**

Volatile Organic Compounds	EPA	1311 ZHE	Certified	NA
Metals and extractable organics	EPA	1311	Certified	NA
Metals and extractable organics	EPA	1312	Certified	NA

End of list.

(If status is Provisional, refer to the SHL evaluation report for description and required action to upgrade status to Certified.)

## PERSONNEL AND REPORTING REQUIREMENTS

### Personnel:

Jeffrey King, Laboratory Director	James Eggers, QA Director
George Dawson, Organic Manager	

### Reporting Requirements:

#### SDWA Reporting:

Refer to paragraph 567--IAC 83.6(6)"a". Certified laboratories must report to IDNR all analytical test results for all public water supplies.

- Reporting format: Results must be reported in an electronic format acceptable to the department. Instructions for electronic reporting are contained within a document entitled "Certified Environmental Lab Reporting for the Safe Drinking Water Act (SDWIS)".
- Method Codes: The Safe Drinking Water Information System (SDWIS) reporting code, for each method listed in the parameter list of this certificate, must be used when reporting analytical results to the department.
- Reporting frequency: Laboratories must electronically report weekly. Additionally, results must be received no later than the 7th of the month following the month in which the samples were analyzed.
- Reporting unsafe samples: In addition to monthly reporting, unsafe sample results must be reported within 24 hours after analysis by either fax or email.

Unsafe bacterial samples are considered to be positive routine sample results and results of associated repeat samples.

Unsafe chemical samples are considered to be chemical samples exceeding the MCL and results of associated confirmation samples.

FAX: Fax to 515/725-0287 (alternate number: 515/725-0348) in the format provided or approved by the department.

EMAIL: Email to [labfax@dnr.iowa.gov](mailto:labfax@dnr.iowa.gov) in the format provided or approved by the department.

Note: The bacterial samples subject line must state the words "Positive Bacterial Report for FO {insert field office number}"  
The chemical samples subject line must state the words "Chemical Exceedance for FO {insert field office number}"

#### UST Reporting:

Refer to paragraph 567 IAC 83.6(6)"b" and include information required in subrule 567 IAC 135.10(2).

#### CWA Reporting:

Refer to paragraph 567 IAC 83.6(6)"c" and include information required in paragraphs 567 IAC 63.2(2)"b" through "e".

#### SW/CS Reporting:

Refer to paragraph 567 IAC 83.6(6)"d" and include information required in subrule 567 IAC 103.2(8).

## RECOMMENDATION FROM SHL

To: IDNR  
From: SHL Laboratory Appraisal Officers

This recommendation is in accordance with Chapter 83 of the Iowa Administrative Code (IAC-567) for the analyte(s) and method(s) listed in the letter of certification.

## LABORATORY INFORMATION

Contact Name	Phone Number	Fax Number
James Eggers, Laboratory Contact	641/792-8451	641/792-7989
Jeffrey King, Responsible Party	641/792-8451	641/792-7989

Date Fee Paid	Amount Paid	Program	Date Fee Expires
11/30/2018	\$1300.00	SDWA&CWA Bacteria	02/01/2021
11/30/2018	\$2800.00	CWA,SDWA, &SW/CS Inorganic Chemicals IOC	02/01/2021
11/30/2018	\$2800.00	CWA,SDWA&SW/CS Synthetic Organic (SOC)	02/01/2021
11/30/2018	\$2800.00	CWA,SDWA&SW/CS Volatile Organic Chemical	02/01/2021
11/30/2018	\$2000.00	UST,CWA,SW/CS UST + PAH and soil gas	02/01/2021
12/06/2019	\$400.00	SDWA,CWA,UST,SW/CS Other	02/01/2021

Program	Date of Iowa onsite	Resident state onsite	Resident state certification expires
SDWA	04/22/2019, 05/06/2019	09/29/2017	10/31/2019
WW	05/06/2019	09/29/2017	10/31/2019
UST		09/29/2017	10/31/2019
SW	04/22/2019	09/29/2017	10/31/2019

## EVALUATION REPORT

The equipment and procedures employed in the microbiological and/or chemical analyses of environmental samples by this laboratory conformed to the provisions in the "Manual for the Certification of Laboratories Analyzing Environmental Samples for the Iowa Department of Natural Resources" (2003) except for the items indicated. Chapter 1 of the manual pertains to certification of laboratories analyzing samples of drinking water and incorporates by reference the "Manual for the Certification of Laboratories Analyzing Drinking Water: Criteria and Procedures, Quality Assurance, Fifth Edition, January 2005" available at <http://www.epa.gov/safewater/labcert/index.html>. Chapter 2 pertains to laboratories analyzing samples for the underground storage tank program. Chapter 3 pertains to laboratories analyzing samples for the wastewater and sewage sludge disposal programs. Chapter 4 pertains to the laboratories analyzing samples for the solid waste and contaminated site programs.

This report is divided into several sections dealing with aspects of laboratory operations. Deficiencies noted during the evaluation are enumerated followed by recommendations and comments (if applicable). Some deficiencies address requirements that must have documented corrective actions completed within a specific time period as indicated in the "REQUIRED ACTIONS" section(s) of the narrative. Other deficiencies address explicit or implicit requirements of the regulation or method that must be corrected and will be verified during future onsite visits. Some of the recommendations presented concern good laboratory practices and should be carefully considered and implemented whenever possible. Comments address special circumstances or information pertinent to the laboratory.

This report was generated for the Iowa Department of Natural Resources under the Environmental Laboratory Certification Program by the State Hygienic Laboratory. The evaluation was conducted by Dawn Jones, Jeff Wasson.

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319/335-4500

## 1 GENERAL

It is recommended that this laboratory's certification be modified due to request of the laboratory to add the following parameters to the scope of accreditation:

Total Organic Carbon by Combustion, SM 5310 B, in both drinking and wastewater  
Hexachlorobenzene by EPA 612 in wastewater.

### 1.1 Personnel

Name	Title	Education	Essential
Jeffrey King	Laboratory Director	PhD.	Yes
James Eggers	QA Director	BA.	Yes
George Dawson	Organic Manager	BA.	Yes
Eric Petersen	Senior Chemist	BA.	
Ryan Vander Velden	Senior Chemist	BA.	
Staci Arnold	Senior Chemist	BS.	
Brooke Farver	Chemist	BS.	
Andrew Rethmeier	Chemist	BS.	
Mariya Dovganyuk	Chemist	MS.	
Beth Hawkins	Laboratory Technician		
Brian Jones	Laboratory Technician		
Brittany Shaw	Laboratory Assistant		
Dana Burk	Senior Lab Technician		
Dara Hanson	Project Manager		
Denell Henninger	Laboratory Assistant		
Drew Schumann	Laboratory Technician		
Elizabeth Eggers	Laboratory Technician		
Grant Hammand	Laboratory Aide		
JoAnn Townsend	Laboratory Assistant		
Jodi King	President		
Jodi Swank	Laboratory Technician		
Joe Klingensmith	Laboratory Technician		
Larry Anderson	Laboratory Technician		
Leslie Taylor	Project Manager		
Linda Malsom	Laboratory Technician		
Nicole Carter	Laboratory Technician		
Suzanne Thompson	Project Manager		
Tammy Brain	Laboratory Technician		
Tracy Massengale	Laboratory Technician		

## 2 CONCLUSIONS

It is recommended this laboratory be certified to analyze environmental samples and report the results for the parameters listed in the attached letter of certification issued by the Iowa Department of Natural Resources, Environmental Services Division. This certification is contingent upon continued satisfactory performance of annual proficiency testing samples and future evaluations. Items indicated as deficiencies must be corrected. Questions or concerns should be addressed to the appraisal officer(s).