

# IOWA DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL LABORATORY CERTIFICATION

**TekLab**

**IA LAB #430**

The above-named laboratory has complied with 567 Iowa Administrative Code Chapter 83 and is certified to analyze samples in the programs listed below. Please refer to the accompanying letter of certification for the official list of individual certified analytes & methods. This certificate does not convey certification without the accompanying letter of certification.

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~ NPW ~ SW/CS ~ UST ~

*On behalf of the director*

*Kathleen A. Lee*

14 June 2022

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**Certification Authority**

**EFFECTIVE: 6/14/2022**

**EXPIRES: 6/1/2024**

*Leading Iowans in Caring for Our Natural Resources*

\*\*\*\*\* Begin Parameter List \*\*\*\*\*

Method Name	TNI Method Code	Analyte Name	TNI Analyte Code	SDWIS Code	SDWA Code	Regulatory Status
<b>Program: Nonpotable Water</b>						
EPA 120.1	10006403	Conductivity	1610	NA	NA	C
EPA 1664A	10127807	n-Hexane Extractable Material (O&G)	1803	NA	NA	C
EPA 180.1	10011800	Turbidity	2055	NA	NA	C
EPA 200.7	10013806	Aluminum	1000	NA	NA	C
		Antimony	1005	NA	NA	C
		Arsenic	1010	NA	NA	C
		Barium	1015	NA	NA	C
		Beryllium	1020	NA	NA	C
		Boron	1025	NA	NA	C
		Cadmium	1030	NA	NA	C
		Calcium	1035	NA	NA	C
		Chromium (Total)	1040	NA	NA	C
		Copper	1055	NA	NA	C
		Iron	1070	NA	NA	C
		Lead	1075	NA	NA	C
		Magnesium	1085	NA	NA	C
		Manganese	1090	NA	NA	C
		Molybdenum	1100	NA	NA	C
		Nickel	1105	NA	NA	C
		Potassium	1125	NA	NA	C
		Selenium	1140	NA	NA	C
		Silver	1150	NA	NA	C
		Sodium	1155	NA	NA	C
		Thallium	1165	NA	NA	C
		Tin	1175	NA	NA	C
		Titanium	1180	NA	NA	C
		Total Phosphorus	1910	NA	NA	C
		Vanadium	1185	NA	NA	C
		Zinc	1190	NA	NA	C
EPA 200.8	10014605	Aluminum	1000	NA	NA	C
		Antimony	1005	NA	NA	C
		Arsenic	1010	NA	NA	C
		Barium	1015	NA	NA	C
		Beryllium	1020	NA	NA	C
		Boron	1025	NA	NA	C
		Cadmium	1030	NA	NA	C
		Calcium	1035	NA	NA	C
		Cobalt	1050	NA	NA	C
		Copper	1055	NA	NA	C
		Iron	1070	NA	NA	C
		Lead	1075	NA	NA	C
		Magnesium	1085	NA	NA	C
		Manganese	1090	NA	NA	C
		Molybdenum	1100	NA	NA	C
		Nickel	1105	NA	NA	C
		Potassium	1125	NA	NA	C
		Selenium	1140	NA	NA	C
		Silver	1150	NA	NA	C
		Sodium	1155	NA	NA	C
		Thallium	1165	NA	NA	C
		Tin	1175	NA	NA	C
		Titanium	1180	NA	NA	C
		Vanadium	1185	NA	NA	C
		Zinc	1190	NA	NA	C

EPA 245.1	10036609	Mercury	1095	NA	NA	C
EPA 335.4	10061402	Total Cyanide	1645	NA	NA	C
EPA 350.1	10063602	Ammonia as N	1515	NA	NA	C
EPA 351.2	10065404	Total Kjeldahl Nitrogen (TKN)	1795	NA	NA	C
EPA 353.2	10067604	Nitrate as N	1810	NA	NA	C
		Nitrate as N plus Nitrite as N	1820	NA	NA	C
		Nitrite as N	1840	NA	NA	C
EPA 420.1	10079400	Total Phenolics	1906	NA	NA	C
EPA 420.4	10080203	Total Phenolics	1905	NA	NA	C
EPA 608.3	10296614	4,4'-DDD	7355	NA	NA	C
		4,4'-DDE	7360	NA	NA	C
		4,4'-DDT	7365	NA	NA	C
		Aldrin	7025	NA	NA	C
		alpha-BHC (alpha-Hexachlorocyclohexane)	7110	NA	NA	C
		Aroclor-1016 (PCB-1016)	8880	NA	NA	C
		Aroclor-1221 (PCB-1221)	8885	NA	NA	C
		Aroclor-1232 (PCB-1232)	8890	NA	NA	C
		Aroclor-1242 (PCB-1242)	8895	NA	NA	C
		Aroclor-1248 (PCB-1248)	8900	NA	NA	C
		Aroclor-1254 (PCB-1254)	8905	NA	NA	C
		Aroclor-1260 (PCB-1260)	8910	NA	NA	C
		beta-BHC (beta-Hexachlorocyclohexane)	7115	NA	NA	C
		Chlordane (tech.)	7250	NA	NA	C
		delta-BHC (delta-Hexachlorocyclohexane)	7105	NA	NA	C
		Dieldrin	7470	NA	NA	C
		Endosulfan I	7510	NA	NA	C
		Endosulfan II	7515	NA	NA	C
		Endosulfan sulfate	7520	NA	NA	C
		Endrin	7540	NA	NA	C
Endrin aldehyde	7530	NA	NA	C		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	7120	NA	NA	C		
Heptachlor	7685	NA	NA	C		
Heptachlor epoxide	7690	NA	NA	C		
Methoxychlor	7810	NA	NA	C		
Toxaphene (Chlorinated Camphene)	8250	NA	NA	C		
EPA 615	10105609	2,4-D	8545	NA	NA	C
		Silvex (2,4,5-TP)	8650	NA	NA	C
EPA 624.1	10298121	1,1,1-Trichloroethane	5160	NA	NA	C
		1,1,2,2-Tetrachloroethane	5110	NA	NA	C
		1,1,2-Trichloroethane	5165	NA	NA	C
		1,1-Dichloroethane	4630	NA	NA	C
		1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NA	NA	C
		1,2-Dichloroethane (Ethylene dichloride)	4635	NA	NA	C
		1,2-Dichloropropane	4655	NA	NA	C
		1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	NA	NA	C
		1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NA	NA	C
		2-Chloroethylvinyl ether	4500	NA	NA	C
		Acrolein (Propenal)	4325	NA	NA	C
		Acrylonitrile	4340	NA	NA	C
		Benzene	4375	NA	NA	C
		Bromodichloromethane	4395	NA	NA	C
		Bromoform	4400	NA	NA	C
		Carbon Tetrachloride	4455	NA	NA	C
		Chlorobenzene	4475	NA	NA	C
		Chlorodibromomethane	4575	NA	NA	C
		Chloroethane (Ethyl chloride)	4485	NA	NA	C
		Chloroform	4505	NA	NA	C
cis-1,2-Dichloroethylene	4645	NA	NA	C		

		cis-1,3-Dichloropropene	4680	NA	NA	C
		Ethylbenzene	4765	NA	NA	C
		Methyl bromide (Bromomethane)	4950	NA	NA	C
		Methyl chloride (Chloromethane)	4960	NA	NA	C
		Methylene chloride (Dichloromethane)	4975	NA	NA	C
		Tetrachloroethylene (Perchloroethylene)	5115	NA	NA	C
		Toluene	5140	NA	NA	C
		trans-1,2-Dichloroethylene	4700	NA	NA	C
		trans-1,3-Dichloropropylene	4685	NA	NA	C
		Trichloroethene (Trichloroethylene)	5170	NA	NA	C
		Trichlorofluoromethane (Freon-11)	5175	NA	NA	C
		Vinyl chloride (Chloroethene)	5235	NA	NA	C
		Xylenes (total)	5260	NA	NA	C
EPA 625.1	10300024	1,2,4-Trichlorobenzene	5155	NA	NA	C
		2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	4659	NA	NA	C
		2,4,6-Trichlorophenol	6840	NA	NA	C
		2,4-Dichlorophenol	6000	NA	NA	C
		2,4-Dimethylphenol	6130	NA	NA	C
		2,4-Dinitrophenol	6175	NA	NA	C
		2,4-Dinitrotoluene (2,4-DNT)	6185	NA	NA	C
		2,6-Dinitrotoluene (2,6-DNT)	6190	NA	NA	C
		2-Chloronaphthalene	5795	NA	NA	C
		2-Chlorophenol	5800	NA	NA	C
		2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	6360	NA	NA	C
		2-Nitrophenol	6490	NA	NA	C
		3,3'-Dichlorobenzidine	5945	NA	NA	C
		4-Bromophenyl phenyl ether (BDE-3)	5660	NA	NA	C
		4-Chloro-3-methyl phenol	5700	NA	NA	C
		4-Chlorophenyl phenyl ether	5825	NA	NA	C
		4-Nitrophenol	6500	NA	NA	C
		Acenaphthene	5500	NA	NA	C
		Acenaphthylene	5505	NA	NA	C
		Benzo(a)anthracene	5575	NA	NA	C
		Benzo(a)pyrene	5580	NA	NA	C
		Benzo(g,h,i)perylene	5590	NA	NA	C
		Benzo(k)fluoranthene	5600	NA	NA	C
		Benzo[b]fluoranthene	5585	NA	NA	C
		bis(2-Chloroethoxy)methane	5760	NA	NA	C
		bis(2-Chloroethyl) ether	5765	NA	NA	C
		Butyl benzyl phthalate	5670	NA	NA	C
		Chrysene	5855	NA	NA	C
		Dibenz(a,h) anthracene	5895	NA	NA	C
		Diethyl phthalate	6070	NA	NA	C
		Dimethyl phthalate	6135	NA	NA	C
		Endosulfan I	7510	NA	NA	C
		Endosulfan II	7515	NA	NA	C
		Fluoranthene	6265	NA	NA	C
		Fluorene	6270	NA	NA	C
		Hexachlorobenzene	6275	NA	NA	C
		Hexachlorobutadiene	4835	NA	NA	C
		Hexachlorocyclopentadiene	6285	NA	NA	C
		Hexachloroethane	4840	NA	NA	C
		Indeno(1,2,3-cd) pyrene	6315	NA	NA	C
		Isophorone	6320	NA	NA	C
		Naphthalene	5005	NA	NA	C
		Nitrobenzene	5015	NA	NA	C
		Pentachlorophenol	6605	NA	NA	C
		Phenanthrene	6615	NA	NA	C
		Phenol	6625	NA	NA	C
		Pyrene	6665	NA	NA	C

SM 2120 B-2011	20039310	Color	1605	NA	NA	C
SM 2130 B-2011	20048220	Turbidity	2055	NA	NA	C
SM 2310 B-2011	20044615	Acidity, as CaCO <sub>3</sub>	1500	NA	NA	C
SM 2320 B-2011	20045618	Total alkalinity	1505	NA	NA	C
SM 2510 B-2011	20048617	Conductivity	1610	NA	NA	C
SM 2540 B-2011	20049416	Residue, total (TS)	1950	NA	NA	C
SM 2540 C-2011	20050413	TDS - Residue, filterable	1955	NA	NA	C
SM 2540 D -2011	20051212	TSS - Residue, nonfilterable	1960	NA	NA	C
SM 2540 E-2011	20051596	Residue-volatile	1970	NA	NA	C
SM 2540 F-2011	20052215	Residue-settleable	1965	NA	NA	C
SM 2550 B-2010	20053229	Temperature, deg. C	2030	NA	NA	C
SM 3500-Cr B-2011	20066266	Chromium (VI)	1045	NA	NA	C
SM 4500-Cl G-2011	20081623	Total Residual Chlorine	1940	NA	NA	C
SM 4500-Cl <sup>-</sup> C-2011	20085216	Chloride	1575	NA	NA	C
SM 4500-Cl <sup>-</sup> E-2011	20086811	Chloride	1575	NA	NA	C
SM 4500-F <sup>-</sup> C-2011	20102414	Fluoride	1730	NA	NA	C
SM 4500-H <sup>+</sup> B-2011	20105220	pH+	1900	NA	NA	C
SM 4500-NH <sub>3</sub> G-2011	20111415	Ammonia as N	1515	NA	NA	C
SM 4500-NO <sub>3</sub> <sup>-</sup> F-2011	20117628	Nitrate as N plus Nitrite as N	1820	NA	NA	C
SM 4500-O G-2011	20121668	Dissolved Oxygen	1880	NA	NA	C
SM 4500-P E-2011	20124225	Orthophosphate as P	1870	NA	NA	C
SM 4500-S <sub>2</sub> <sup>-</sup> D-2011	20125864	Sulfide	2005	NA	NA	C
SM 4500-SO <sub>3</sub> <sup>-</sup> B-2011	20130636	Sulfite-SO <sub>3</sub>	2015	NA	NA	C
SM 5210 B-2011	20135266	Biochemical Oxygen Demand (BOD)	1530	NA	NA	C
		Carbonaceous BOD (CBOD)	1555	NA	NA	C
SM 5220 D-2011	20136816	Chemical Oxygen Demand (COD)	1565	NA	NA	C
SM 5310 C-2011	20138823	Total Organic Carbon (TOC)	2040	NA	NA	C
SM 5540 C-2011	20145066	Surfactants - MBAS	2025	NA	NA	C
<b>Program: Solid Waste/Contaminated Sites (Water)</b>						
EPA 1010B	10234830	Flashpoint	6117	NA	NA	C
EPA 1020C	10117154	Flashpoint	6117	NA	NA	C
EPA 1311	10118806	TCLP	1466	NA	NA	C
EPA 1312	10119003	SPLP	1460	NA	NA	C
EPA 350.1	10063602	Ammonia as N	1515	NA	NA	C
EPA 351.2	10065404	Total Kjeldahl Nitrogen (TKN)	1795	NA	NA	C
EPA 365.4	10071202	Orthophosphate as P	1870	NA	NA	C
EPA 410.4	10077404	Chemical Oxygen Demand (COD)	1565	NA	NA	C
EPA 6010B	10155609	Aluminum	1000	NA	NA	C
		Antimony	1005	NA	NA	C
		Arsenic	1010	NA	NA	C
		Barium	1015	NA	NA	C
		Beryllium	1020	NA	NA	C
		Boron	1025	NA	NA	C
		Cadmium	1030	NA	NA	C
		Calcium	1035	NA	NA	C
		Chromium (Total)	1040	NA	NA	C
		Cobalt	1050	NA	NA	C
		Copper	1055	NA	NA	C
		Iron	1070	NA	NA	C
		Lead	1075	NA	NA	C
		Lithium	1080	NA	NA	C
		Magnesium	1085	NA	NA	C
		Strontium	1160	NA	NA	C
		Tin	1175	NA	NA	C
		Titanium	1180	NA	NA	C
		Total Phosphorus	1910	NA	NA	C
		Vanadium	1185	NA	NA	C
		Zinc	1190	NA	NA	C

EPA 6020A	10156419	Aluminum	1000	NA	NA	C
		Antimony	1005	NA	NA	C
		Arsenic	1010	NA	NA	C
		Barium	1015	NA	NA	C
		Beryllium	1020	NA	NA	C
		Boron	1025	NA	NA	C
		Cadmium	1030	NA	NA	C
		Calcium	1035	NA	NA	C
		Cobalt	1050	NA	NA	C
		Copper	1055	NA	NA	C
		Iron	1070	NA	NA	C
		Lead	1075	NA	NA	C
		Magnesium	1085	NA	NA	C
		Manganese	1090	NA	NA	C
		Molybdenum	1100	NA	NA	C
		Nickel	1105	NA	NA	C
		Potassium	1125	NA	NA	C
		Selenium	1140	NA	NA	C
		Silver	1150	NA	NA	C
		Sodium	1155	NA	NA	C
		Thallium	1165	NA	NA	C
		Vanadium	1185	NA	NA	C
		Zinc	1190	NA	NA	C
EPA 7196A	10162400	Chromium (VI)	1045	NA	NA	C
EPA 7470A	10165807	Mercury	1095	NA	NA	C
EPA 7471B	10166457	Mercury	1095	NA	NA	C
EPA 8015B	10173601	Ethanol	4750	NA	NA	C
		Ethylene glycol	4785	NA	NA	C
		Isobutyl alcohol (2-Methyl-1-propanol)	4875	NA	NA	C
EPA 8081B	10178811	4,4'-DDD	7355	NA	NA	C
		4,4'-DDE	7360	NA	NA	C
		4,4'-DDT	7365	NA	NA	C
		Alachlor	7005	NA	NA	C
		Aldrin	7025	NA	NA	C
		alpha-BHC (alpha-Hexachlorocyclohexane)	7110	NA	NA	C
		beta-BHC (beta-Hexachlorocyclohexane)	7115	NA	NA	C
		Chlordane (tech.)	7250	NA	NA	C
		delta-BHC (delta-Hexachlorocyclohexane)	7105	NA	NA	C
		Dieldrin	7470	NA	NA	C
		Endosulfan I	7510	NA	NA	C
		Endosulfan II	7515	NA	NA	C
		Endosulfan sulfate	7520	NA	NA	C
		Endrin	7540	NA	NA	C
		Endrin aldehyde	7530	NA	NA	C
		gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	7120	NA	NA	C
		Heptachlor	7685	NA	NA	C
		Heptachlor epoxide	7690	NA	NA	C
		Methoxychlor	7810	NA	NA	C
		Toxaphene (Chlorinated Camphene)	8250	NA	NA	C
EPA 8082A	10179358	Aroclor-1016 (PCB-1016)	8880	NA	NA	C
		Aroclor-1221 (PCB-1221)	8885	NA	NA	C
		Aroclor-1232 (PCB-1232)	8890	NA	NA	C
		Aroclor-1242 (PCB-1242)	8895	NA	NA	C
		Aroclor-1248 (PCB-1248)	8900	NA	NA	C
		Aroclor-1254 (PCB-1254)	8905	NA	NA	C
		Aroclor-1260 (PCB-1260)	8910	NA	NA	C
EPA 8151A	10183207	2,4,5-T; 2,4,5-Trichlorophenoxyacetic Acid	8655	NA	NA	C
		2,4-D	8545	NA	NA	C
		4-Nitrophenol	6500	NA	NA	C

		Bentazon	8530	NA	NA	C
		Chloramben	8540	NA	NA	C
		Dalapon	8555	NA	NA	C
		Dicamba	8595	NA	NA	C
		Dichlorophenoxybutyric acid (2,4-DB)	8560	NA	NA	C
		Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	8620	NA	NA	C
		Methyl-4-chlorophenoxyacetic acid (MCPA)	7775	NA	NA	C
		Pentachlorophenol	6605	NA	NA	C
		Picloram	8645	NA	NA	C
		Silvex (2,4,5-TP)	8650	NA	NA	C
EPA 8260B	10184802	1,1,1,2-Tetrachloroethane	5105	NA	NA	C
		1,1,1-Trichloroethane	5160	NA	NA	C
		1,1,2,2-Tetrachloroethane	5110	NA	NA	C
		1,1,2-Trichloro-1,2,2-trifluoroethane	5185	NA	NA	C
		1,1,2-Trichloroethane	5165	NA	NA	C
		1,1-Dichloroethane	4630	NA	NA	C
		1,1-Dichloroethylene	4640	NA	NA	C
		1,1-Dichloropropene	4670	NA	NA	C
		1,2,3-Trichloropropane	5180	NA	NA	C
		1,2,4-Trimethylbenzene	5210	NA	NA	C
		1,2-Dibromo-3-chloropropane (DBCP)	4570	NA	NA	C
		1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	NA	NA	C
		1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NA	NA	C
		1,2-Dichloroethane (Ethylene dichloride)	4635	NA	NA	C
		1,2-Dichloropropane	4655	NA	NA	C
		1,3,5-Trimethylbenzene	5215	NA	NA	C
		1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	NA	NA	C
		1,3-Dichloropropane	4660	NA	NA	C
		1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NA	NA	C
		2,2-Dichloropropane	4665	NA	NA	C
		2-Butanone (Methyl ethyl ketone, MEK)	4410	NA	NA	C
		2-Chloro-1,3-butadiene (Chloroprene)	4525	NA	NA	C
		2-Chlorotoluene (o-Chlorotoluene)	4535	NA	NA	C
		2-Hexanone	4860	NA	NA	C
		4-Chlorotoluene (p-Chlorotoluene)	4540	NA	NA	C
		4-Methyl-2-pentanone (MIBK)	4995	NA	NA	C
		Acetone	4315	NA	NA	C
		Acetonitrile (Methyl Cyanide)	4320	NA	NA	C
		Acrolein (Propenal)	4325	NA	NA	C
		Acrylonitrile	4340	NA	NA	C
		Benzene	4375	NA	NA	C
		Bromochloromethane	4390	NA	NA	C
		Bromodichloromethane	4395	NA	NA	C
		Bromoform	4400	NA	NA	C
		Carbon disulfide	4450	NA	NA	C
		Carbon Tetrachloride	4455	NA	NA	C
		Chlorobenzene	4475	NA	NA	C
		Chlorodibromomethane	4575	NA	NA	C
		Chloroethane (Ethyl chloride)	4485	NA	NA	C
		Chloroform	4505	NA	NA	C
		cis-1,2-Dichloroethylene	4645	NA	NA	C
		cis-1,3-Dichloropropene	4680	NA	NA	C
		Cumene (Isopropylbenzene)	4900	NA	NA	C
		Dibromomethane (Methylene bromide)	4595	NA	NA	C
		Dichlorodifluoromethane	4625	NA	NA	C
		Ethylbenzene	4765	NA	NA	C
		Hexachlorobutadiene	4835	NA	NA	C
		Hexachloroethane	4840	NA	NA	C
		Iodomethane (Methyl iodide)	4870	NA	NA	C
		Methacrylonitrile	4925	NA	NA	C

		Methyl bromide (Bromomethane)	4950	NA	NA	C
		Methyl chloride (Chloromethane)	4960	NA	NA	C
		Methyl methacrylate	4990	NA	NA	C
		Methyl tert-butyl ether (MTBE)	5000	NA	NA	C
		Methylene chloride (Dichloromethane)	4975	NA	NA	C
		Naphthalene	5005	NA	NA	C
		n-Butylbenzene	4435	NA	NA	C
		n-Propylbenzene	5090	NA	NA	C
		Propionitrile (Ethyl cyanide)	5080	NA	NA	C
		Styrene	5100	NA	NA	C
		Tetrachloroethylene (Perchloroethylene)	5115	NA	NA	C
		Toluene	5140	NA	NA	C
		trans-1,2-Dichloroethylene	4700	NA	NA	C
		trans-1,3-Dichloropropylene	4685	NA	NA	C
		trans-1,4-Dichloro-2-butene	4605	NA	NA	C
		Trichlorofluoromethane (Freon-11)	5175	NA	NA	C
		Vinyl acetate	5225	NA	NA	C
		Vinyl chloride (Chloroethene)	5235	NA	NA	C
		Xylenes (total)	5260	NA	NA	C
EPA 8270C	10185805	2-methylphenol (o-Cresol)	6400	NA	NA	C
		2-Nitroaniline	6460	NA	NA	C
		3-Nitroaniline	6465	NA	NA	C
		4-Nitroaniline	6470	NA	NA	C
		0,0,0-Triethyl phosphorothioate	8290	NA	NA	C
		1,2,4-Trichlorobenzene	5155	NA	NA	C
		1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NA	NA	C
		1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	NA	NA	C
		1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NA	NA	C
		1,4-Dioxane (1,4- Diethyleneoxide)	4735	NA	NA	C
		1,4-Naphthoquinone	6420	NA	NA	C
		1-Naphthylamine	6425	NA	NA	C
		2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	4659	NA	NA	C
		2,4,5-Trichlorophenol	6835	NA	NA	C
		2,4,6-Trichlorophenol	6840	NA	NA	C
		2,4-Dichlorophenol	6000	NA	NA	C
		2,4-Dimethylphenol	6130	NA	NA	C
		2,4-Dinitrophenol	6175	NA	NA	C
		2,4-Dinitrotoluene (2,4-DNT)	6185	NA	NA	C
		2,6-Dinitrotoluene (2,6-DNT)	6190	NA	NA	C
		2-Chloronaphthalene	5795	NA	NA	C
		2-Chlorophenol	5800	NA	NA	C
		2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	6360	NA	NA	C
		2-Methylaniline (o-Toluidine)	5145	NA	NA	C
		2-Methylnaphthalene	6385	NA	NA	C
		2-Nitrophenol	6490	NA	NA	C
		3,3'-Dichlorobenzidine	5945	NA	NA	C
		3,3'-Dimethylbenzidine	6120	NA	NA	C
		3-Methylcholanthrene	6355	NA	NA	C
		3-methylphenol (m-Cresol)	6405	NA	NA	C
		4-Aminobiphenyl	5540	NA	NA	C
		4-Bromophenyl phenyl ether (BDE-3)	5660	NA	NA	C
		4-Chloro-3-methyl phenol	5700	NA	NA	C
		4-Chloroaniline	5745	NA	NA	C
		4-Chlorophenyl phenyl ether	5825	NA	NA	C
		4-Dimethyl aminoazobenzene	6105	NA	NA	C
		4-Methylphenol (p-Cresol)	6410	NA	NA	C
		4-Nitrophenol	6500	NA	NA	C
		5-Nitro-o-toluidine	6570	NA	NA	C
		7,12-Dimethylbenz[a]anthracene	6115	NA	NA	C
		Acenaphthene	5500	NA	NA	C



Acenaphthylene	5505	NA	NA	C
Acetochlor	4310	NA	NA	C
Acetophenone	5510	NA	NA	C
Alachlor	7005	NA	NA	C
Anthracene	5555	NA	NA	C
Atrazine	7065	NA	NA	C
Benzidine	5595	NA	NA	C
Benzo(a)anthracene	5575	NA	NA	C
Benzo(a)pyrene	5580	NA	NA	C
Benzo(g,h,i)perylene	5590	NA	NA	C
Benzo(k)fluoranthene	5600	NA	NA	C
Benzo[b]fluoranthene	5585	NA	NA	C
Benzyl alcohol	5630	NA	NA	C
bis(2-Chloroethoxy)methane	5760	NA	NA	C
bis(2-Chloroethyl) ether	5765	NA	NA	C
Butyl benzyl phthalate	5670	NA	NA	C
Butylate	7175	NA	NA	C
Carbazole	5680	NA	NA	C
Chlorobenzilate	7260	NA	NA	C
Chrysene	5855	NA	NA	C
Cyanazine	7340	NA	NA	C
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	6065	NA	NA	C
Diallate	7405	NA	NA	C
Dibenz(a,h) anthracene	5895	NA	NA	C
Dibenzofuran	5905	NA	NA	C
Diethyl phthalate	6070	NA	NA	C
Dimethoate	7475	NA	NA	C
Dimethyl phthalate	6135	NA	NA	C
Di-n-butyl phthalate	5925	NA	NA	C
Di-n-octyl phthalate	6200	NA	NA	C
Diphenylamine	6205	NA	NA	C
Ethyl methanesulfonate	6260	NA	NA	C
Famphur	7580	NA	NA	C
Fluoranthene	6265	NA	NA	C
Fluorene	6270	NA	NA	C
Hexachlorobenzene	6275	NA	NA	C
Hexachlorobutadiene	4835	NA	NA	C
Hexachlorocyclopentadiene	6285	NA	NA	C
Hexachloroethane	4840	NA	NA	C
Hexachloropropene	6295	NA	NA	C
Indeno(1,2,3-cd) pyrene	6315	NA	NA	C
Isodrin	7725	NA	NA	C
Isophorone	6320	NA	NA	C
Isosafrole	6325	NA	NA	C
Methyl methanesulfonate	6375	NA	NA	C
Metribuzin	7845	NA	NA	C
Naphthalene	5005	NA	NA	C
Nitrobenzene	5015	NA	NA	C
n-Nitrosodiethylamine	6525	NA	NA	C
n-Nitrosodimethylamine	6530	NA	NA	C
n-Nitrosodi-n-propylamine	6545	NA	NA	C
n-Nitrosodiphenylamine	6535	NA	NA	C
n-Nitrosomethylethylamine	6550	NA	NA	C
n-Nitrosopiperidine	6560	NA	NA	C
n-Nitrosopyrrolidine	6565	NA	NA	C
Parathion (Ethyl Parathion)	7955	NA	NA	C
Pentachlorobenzene	6590	NA	NA	C
Pentachloronitrobenzene	6600	NA	NA	C
Pentachlorophenol	6605	NA	NA	C
Phenanthrene	6615	NA	NA	C

		Phenol	6625	NA	NA	C
		Pronamide (Kerb)	6650	NA	NA	C
		Pyrene	6665	NA	NA	C
		Safrole	6685	NA	NA	C
		s-Ethyl Dipropylthiocarbamate (EPTC)	7555	NA	NA	C
		Simazine	8125	NA	NA	C
		Trifluralin (Treflan)	8295	NA	NA	C
EPA 9012A	10193405	Total Cyanide	1645	NA	NA	C
EPA 9014	10193836	Total Cyanide	1645	NA	NA	C
EPA 9020B	10194408	Total Organic Halides (TOX)	2045	NA	NA	C
EPA 9034	10196006	Sulfide	2005	NA	NA	C
EPA 9036	10196404	Sulfate	2000	NA	NA	C
EPA 9045C (soil)	10198400	pH+	1900	NA	NA	C
EPA 9050A	10198808	Conductivity	1610	NA	NA	C
EPA 9060A	10244823	Total Organic Carbon (TOC)	2040	NA	NA	C
EPA 9066	10200609	Total Phenolics	1905	NA	NA	C
EPA 9095B	10245600	Paint Filter Test (Paint Filter Liquids)	1434	NA	NA	C
EPA 9251	10207406	Chloride	1575	NA	NA	C
Iowa OA-1	90013802	Benzene	4375	NA	NA	C
		Ethylbenzene	4765	NA	NA	C
		Toluene	5140	NA	NA	C
		Total Volatile Petroleum Hydrocarbons	5207	NA	NA	C
		Xylenes (total)	5260	NA	NA	C
IOWA OA-2	90016629	Total Extractable Hydrocarbons	6241	NA	NA	C
SM 2320 B-2011	20045618	Total alkalinity	1505	NA	NA	C
SM 2540 C-2011	20050413	TDS - Residue, filterable	1955	NA	NA	C
SM 2540 D -2011	20051212	TSS - Residue, nonfilterable	1960	NA	NA	C
SM 2540 G-2011	20005270	Residue, total (TS)	1950	NA	NA	C
SM 4500-NH3 G-2011	20111415	Ammonia as N	1515	NA	NA	C
SM 4500-NO2 <sup>-</sup> B	20112805	Nitrite as N	1840	NA	NA	C
SM 4500-P E-2011	20124225	Total Phosphorus	1910	NA	NA	C
SM 5210 B-2011	20135266	Biochemical Oxygen Demand (BOD)	1530	NA	NA	C
SM 5220 D-2011	20136816	Chemical Oxygen Demand (COD)	1565	NA	NA	C
<b>Program: Solid Waste/Contaminated Sites (Soil &amp; Sludge)</b>						
EPA 1010B	10234830	Flashpoint	6117	NA	NA	C
EPA 1020C	10117154	Flashpoint	6117	NA	NA	C
EPA 351.2	10065404	Total Kjeldahl Nitrogen (TKN)	1795	NA	NA	C
EPA 365.4	10071202	Orthophosphate as P	1870	NA	NA	C
EPA 6010B	10155609	Aluminum	1000	NA	NA	C
		Antimony	1005	NA	NA	C
		Arsenic	1010	NA	NA	C
		Barium	1015	NA	NA	C
		Beryllium	1020	NA	NA	C
		Boron	1025	NA	NA	C
		Cadmium	1030	NA	NA	C
		Calcium	1035	NA	NA	C
		Chromium (Total)	1040	NA	NA	C
		Cobalt	1050	NA	NA	C
		Copper	1055	NA	NA	C
		Iron	1070	NA	NA	C
		Lead	1075	NA	NA	C
		Lithium	1080	NA	NA	C
		Magnesium	1085	NA	NA	C
		Strontium	1160	NA	NA	C
		Tin	1175	NA	NA	C
		Titanium	1180	NA	NA	C
		Total Phosphorus	1910	NA	NA	C
		Vanadium	1185	NA	NA	C

		Zinc	1190	NA	NA	C
EPA 6020A	10156419	Aluminum	1000	NA	NA	C
		Antimony	1005	NA	NA	C
		Arsenic	1010	NA	NA	C
		Barium	1015	NA	NA	C
		Beryllium	1020	NA	NA	C
		Boron	1025	NA	NA	C
		Cadmium	1030	NA	NA	C
		Calcium	1035	NA	NA	C
		Cobalt	1050	NA	NA	C
		Copper	1055	NA	NA	C
		Iron	1070	NA	NA	C
		Lead	1075	NA	NA	C
		Magnesium	1085	NA	NA	C
		Manganese	1090	NA	NA	C
		Molybdenum	1100	NA	NA	C
		Nickel	1105	NA	NA	C
		Potassium	1125	NA	NA	C
		Selenium	1140	NA	NA	C
		Silver	1150	NA	NA	C
		Sodium	1155	NA	NA	C
		Thallium	1165	NA	NA	C
		Vanadium	1185	NA	NA	C
EPA 7196A	10162400	Chromium (VI)	1045	NA	NA	C
EPA 7471B	10166457	Mercury	1095	NA	NA	C
EPA 8081B	10178811	4,4'-DDD	7355	NA	NA	C
		4,4'-DDE	7360	NA	NA	C
		4,4'-DDT	7365	NA	NA	C
		Alachlor	7005	NA	NA	C
		Aldrin	7025	NA	NA	C
		alpha-BHC (alpha-Hexachlorocyclohexane)	7110	NA	NA	C
		beta-BHC (beta-Hexachlorocyclohexane)	7115	NA	NA	C
		Chlordane (tech.)	7250	NA	NA	C
		delta-BHC (delta-Hexachlorocyclohexane)	7105	NA	NA	C
		Dieldrin	7470	NA	NA	C
		Endosulfan I	7510	NA	NA	C
		Endosulfan II	7515	NA	NA	C
		Endosulfan sulfate	7520	NA	NA	C
		Endrin	7540	NA	NA	C
		Endrin aldehyde	7530	NA	NA	C
		gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	7120	NA	NA	C
		Heptachlor	7685	NA	NA	C
		Heptachlor epoxide	7690	NA	NA	C
		Methoxychlor	7810	NA	NA	C
		Toxaphene (Chlorinated Camphene)	8250	NA	NA	C
EPA 8082A	10179358	Aroclor-1016 (PCB-1016)	8880	NA	NA	C
		Aroclor-1221 (PCB-1221)	8885	NA	NA	C
		Aroclor-1232 (PCB-1232)	8890	NA	NA	C
		Aroclor-1242 (PCB-1242)	8895	NA	NA	C
		Aroclor-1248 (PCB-1248)	8900	NA	NA	C
		Aroclor-1254 (PCB-1254)	8905	NA	NA	C
		Aroclor-1260 (PCB-1260)	8910	NA	NA	C
EPA 8260B	10184802	1,1,1,2-Tetrachloroethane	5105	NA	NA	C
		1,1,1-Trichloroethane	5160	NA	NA	C
		1,1,2,2-Tetrachloroethane	5110	NA	NA	C
		1,1,2-Trichloro-1,2,2-trifluoroethane	5185	NA	NA	C
		1,1,2-Trichloroethane	5165	NA	NA	C
		1,1-Dichloroethane	4630	NA	NA	C
		1,1-Dichloroethylene	4640	NA	NA	C
		1,1-Dichloropropene	4670	NA	NA	C

1,2,3-Trichloropropane	5180	NA	NA	C		
1,2,4-Trimethylbenzene	5210	NA	NA	C		
1,2-Dibromo-3-chloropropane (DBCP)	4570	NA	NA	C		
1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	NA	NA	C		
1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NA	NA	C		
1,2-Dichloroethane (Ethylene dichloride)	4635	NA	NA	C		
1,2-Dichloropropane	4655	NA	NA	C		
1,3,5-Trimethylbenzene	5215	NA	NA	C		
1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	NA	NA	C		
1,3-Dichloropropane	4660	NA	NA	C		
1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NA	NA	C		
2,2-Dichloropropane	4665	NA	NA	C		
2-Butanone (Methyl ethyl ketone, MEK)	4410	NA	NA	C		
2-Hexanone	4860	NA	NA	C		
4-Chlorotoluene (p-Chlorotoluene)	4540	NA	NA	C		
4-Methyl-2-pentanone (MIBK)	4995	NA	NA	C		
Acetone	4315	NA	NA	C		
Acetonitrile (Methyl Cyanide)	4320	NA	NA	C		
Acrolein (Propenal)	4325	NA	NA	C		
Acrylonitrile	4340	NA	NA	C		
Benzene	4375	NA	NA	C		
Bromochloromethane	4390	NA	NA	C		
Bromodichloromethane	4395	NA	NA	C		
Bromoform	4400	NA	NA	C		
Carbon disulfide	4450	NA	NA	C		
Carbon Tetrachloride	4455	NA	NA	C		
Chlorobenzene	4475	NA	NA	C		
Chlorodibromomethane	4575	NA	NA	C		
Chloroethane (Ethyl chloride)	4485	NA	NA	C		
Chloroform	4505	NA	NA	C		
cis-1,2-Dichloroethylene	4645	NA	NA	C		
cis-1,3-Dichloropropene	4680	NA	NA	C		
Cumene (Isopropylbenzene)	4900	NA	NA	C		
Dibromomethane (Methylene bromide)	4595	NA	NA	C		
Dichlorodifluoromethane	4625	NA	NA	C		
Ethylbenzene	4765	NA	NA	C		
Hexachlorobutadiene	4835	NA	NA	C		
Hexachloroethane	4840	NA	NA	C		
Iodomethane (Methyl iodide)	4870	NA	NA	C		
Methacrylonitrile	4925	NA	NA	C		
Methyl bromide (Bromomethane)	4950	NA	NA	C		
Methyl chloride (Chloromethane)	4960	NA	NA	C		
Methyl methacrylate	4990	NA	NA	C		
Methyl tert-butyl ether (MTBE)	5000	NA	NA	C		
Methylene chloride (Dichloromethane)	4975	NA	NA	C		
Naphthalene	5005	NA	NA	C		
n-Butylbenzene	4435	NA	NA	C		
n-Propylbenzene	5090	NA	NA	C		
Propionitrile (Ethyl cyanide)	5080	NA	NA	C		
Styrene	5100	NA	NA	C		
Tetrachloroethylene (Perchloroethylene)	5115	NA	NA	C		
Toluene	5140	NA	NA	C		
trans-1,2-Dichloroethylene	4700	NA	NA	C		
trans-1,3-Dichloropropylene	4685	NA	NA	C		
trans-1,4-Dichloro-2-butene	4605	NA	NA	C		
Trichlorofluoromethane (Freon-11)	5175	NA	NA	C		
Vinyl acetate	5225	NA	NA	C		
Vinyl chloride (Chloroethene)	5235	NA	NA	C		
Xylenes (total)	5260	NA	NA	C		
EPA 8270C	10185805	2-methylphenol (o-Cresol)	6400	NA	NA	C

2-Nitroaniline	6460	NA	NA	C
3-Nitroaniline	6465	NA	NA	C
4-Nitroaniline	6470	NA	NA	C
1,2,4-Trichlorobenzene	5155	NA	NA	C
1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	NA	NA	C
1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	NA	NA	C
1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	NA	NA	C
1,4-Dioxane (1,4- Diethyleneoxide)	4735	NA	NA	C
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	4659	NA	NA	C
2,4,5-Trichlorophenol	6835	NA	NA	C
2,4,6-Trichlorophenol	6840	NA	NA	C
2,4-Dichlorophenol	6000	NA	NA	C
2,4-Dimethylphenol	6130	NA	NA	C
2,4-Dinitrophenol	6175	NA	NA	C
2,4-Dinitrotoluene (2,4-DNT)	6185	NA	NA	C
2,6-Dinitrotoluene (2,6-DNT)	6190	NA	NA	C
2-Chloronaphthalene	5795	NA	NA	C
2-Chlorophenol	5800	NA	NA	C
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	6360	NA	NA	C
2-Methylaniline (o-Toluidine)	5145	NA	NA	C
2-Methylnaphthalene	6385	NA	NA	C
2-Nitrophenol	6490	NA	NA	C
3,3'-Dichlorobenzidine	5945	NA	NA	C
3-methylphenol (m-Cresol)	6405	NA	NA	C
4-Aminobiphenyl	5540	NA	NA	C
4-Bromophenyl phenyl ether (BDE-3)	5660	NA	NA	C
4-Chloro-3-methyl phenol	5700	NA	NA	C
4-Chloroaniline	5745	NA	NA	C
4-Chlorophenyl phenyl ether	5825	NA	NA	C
4-Nitrophenol	6500	NA	NA	C
5-Nitro-o-toluidine	6570	NA	NA	C
Acenaphthene	5500	NA	NA	C
Acenaphthylene	5505	NA	NA	C
Anthracene	5555	NA	NA	C
Atrazine	7065	NA	NA	C
Benzo(a)anthracene	5575	NA	NA	C
Benzo(a)pyrene	5580	NA	NA	C
Benzo(g,h,i)perylene	5590	NA	NA	C
Benzo(k)fluoranthene	5600	NA	NA	C
Benzo[b]fluoranthene	5585	NA	NA	C
Benzyl alcohol	5630	NA	NA	C
bis(2-Chloroethoxy)methane	5760	NA	NA	C
bis(2-Chloroethyl) ether	5765	NA	NA	C
Butyl benzyl phthalate	5670	NA	NA	C
Butylate	7175	NA	NA	C
Carbazole	5680	NA	NA	C
Chrysene	5855	NA	NA	C
Cyanazine	7340	NA	NA	C
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	6065	NA	NA	C
Dibenz(a,h) anthracene	5895	NA	NA	C
Dibenzofuran	5905	NA	NA	C
Diethyl phthalate	6070	NA	NA	C
Dimethyl phthalate	6135	NA	NA	C
Di-n-butyl phthalate	5925	NA	NA	C
Di-n-octyl phthalate	6200	NA	NA	C
Fluoranthene	6265	NA	NA	C
Hexachlorobenzene	6275	NA	NA	C
Hexachlorobutadiene	4835	NA	NA	C
Hexachlorocyclopentadiene	6285	NA	NA	C
Hexachloroethane	4840	NA	NA	C

		Indeno(1,2,3-cd) pyrene	6315	NA	NA	C
		Isophorone	6320	NA	NA	C
		Metribuzin	7845	NA	NA	C
		Naphthalene	5005	NA	NA	C
		Nitrobenzene	5015	NA	NA	C
		n-Nitrosodiethylamine	6525	NA	NA	C
		n-Nitrosodimethylamine	6530	NA	NA	C
		n-Nitrosodi-n-propylamine	6545	NA	NA	C
		n-Nitrosodiphenylamine	6535	NA	NA	C
		n-Nitrosomethylethylamine	6550	NA	NA	C
		Pentachlorobenzene	6590	NA	NA	C
		Pentachlorophenol	6605	NA	NA	C
		Phenanthrene	6615	NA	NA	C
		Phenol	6625	NA	NA	C
		Pyrene	6665	NA	NA	C
		Simazine	8125	NA	NA	C
EPA 9012A	10193405	Total Cyanide	1645	NA	NA	C
EPA 9034	10196006	Sulfide	2005	NA	NA	C
EPA 9036	10196404	Sulfate	2000	NA	NA	C
EPA 9045C (soil)	10198400	pH+	1900	NA	NA	C
EPA 9095B	10245600	Paint Filter Test (Paint Filter Liquids)	1434	NA	NA	C
IOWA OA-2	90016629	Total Extractable Hydrocarbons	6241	NA	NA	C
SM 4500-NH3 G-2011	20111415	Ammonia as N	1515	NA	NA	C
<b>Program: UST (Water)</b>						
EPA 8260B	10184802	Benzene	4375	NA	NA	C
		Ethylbenzene	4765	NA	NA	C
		Methyl tert-butyl ether (MTBE)	5000	NA	NA	C
		Toluene	5140	NA	NA	C
		Total Volatile Petroleum Hydrocarbons	5207	NA	NA	C
		Xylenes (total)	5260	NA	NA	C
Iowa OA-1	90013802	Benzene	4375	NA	NA	C
		Ethylbenzene	4765	NA	NA	C
		Toluene	5140	NA	NA	C
		Total Volatile Petroleum Hydrocarbons	5207	NA	NA	C
		Xylenes (total)	5260	NA	NA	C
IOWA OA-2	90016629	Total Extractable Hydrocarbons	6241	NA	NA	C
<b>Program: UST (Soil &amp; Sludge)</b>						
EPA 8260B	10184802	Benzene	4375	NA	NA	C
		Ethylbenzene	4765	NA	NA	C
		Methyl tert-butyl ether (MTBE)	5000	NA	NA	C
		Toluene	5140	NA	NA	C
		Total Volatile Petroleum Hydrocarbons	5207	NA	NA	C
		Xylenes (total)	5260	NA	NA	C
Iowa OA-1	90013802	Benzene	4375	NA	NA	C
		Ethylbenzene	4765	NA	NA	C
		Toluene	5140	NA	NA	C
		Total Volatile Petroleum Hydrocarbons	5207	NA	NA	C
		Xylenes (total)	5260	NA	NA	C
IOWA OA-2	90016629	Total Extractable Hydrocarbons	6241	NA	NA	C

\*\*\*\*\* End Parameter List \*\*\*\*\*