



STATE OF IOWA

TERRY E. BRANSTAD, GOVERNOR
KIM REYNOLDS, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
ROGER L. LANDE, DIRECTOR

08/29/2011

Eurofins
ATTN: Amy Doupe, Principal Quality Specialist
PO Box 12425
Lancaster, PA 17605-2425

IA Lab # 361
Expires: 03/01/2013

Dear Ms. Doupe:

The Iowa Department of Natural Resources (IDNR) hereby grants certification in accordance with 567 Iowa Administrative Code Chapter 83 for Eurofins in Lancaster, PA, to analyze environmental samples for the following programs: 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 University Hygienic Laboratory (UHL), 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 UHL. If you have any questions, please feel free to contact me at 515/725-0343 or joe.zerfas@dnr.iowa.gov.

Sincerely,

Handwritten signature of Joe Zerfas
Joe Zerfas
Environmental Laboratory Certification Office

c: FILE: IA Lab # 361
Lee Friell, UHL -LOCAL-
FO #0

ATTACHMENTS

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

CHANGES FROM PRIOR CERTIFICATE

Prog.	Cont. ID #	Contaminant Name	Method	Method Code	Status
WW	NA	Aluminum (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Aluminum (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Antimony (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Antimony (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Arsenic (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Arsenic (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Barium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Barium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Beryllium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Beryllium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Biochemical Oxygen Demand (BOD5)	5210 B		Certified
WW	NA	Carb. Biochemical Oxygen Demand (CBOD5)	5210 B		Certified
WW	NA	Boron (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Boron (Total)	200.8 Rev 5.4 (1994)		Provisional
WW	NA	Cadmium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Cadmium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Calcium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Calcium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Chromium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Chromium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Cobalt (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Cobalt (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Copper (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Copper (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Iron (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Iron (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Lead (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Lead (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Magnesium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Magnesium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Manganese (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Manganese (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Molybdenum (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Molybdenum (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Nickel (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Nickel (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Nitrate (as N)	300.0 Rev 2.1 (1993)		Certified
WW	NA	Nitrite (as N)	300.0 Rev 2.1 (1993)		Certified
WW	NA	Potassium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Potassium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Selenium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Selenium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Silver (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Silver (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Sodium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Sodium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Sulfate	300.0 Rev 2.1 (1993)		Certified
WW	NA	Thallium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Thallium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Tin (Total)	200.7 Rev 4.4 (1994)		Certified

CHANGES FROM PRIOR CERTIFICATE

Prog.	Cont. ID #	Contaminant Name	Method	Method Code	Status
WW	NA	Tin (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Titanium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Titanium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Vanadium (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Vanadium (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Zinc (Total)	200.7 Rev 4.4 (1994)		Certified
WW	NA	Zinc (Total)	200.8 Rev 5.4 (1994)		Certified
WW	NA	Chemical Oxygen Demand (COD)	410.4 Rev 2.0 (1993)		Certified
WW	NA	Organic carbon (Total) (TOC)	415.1 (Not for SDWA/WW)		Certified
WW	NA	Organic carbon (Total) (TOC)	5310 C (Oxidation)		Certified
WW	NA	Residue-Total	2540 B		Certified
WW	NA	Hydrogen Ion (pH)	4500-H+ B		Certified

End of list.

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

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
UST-BTEX - Water (COMPLETE group)					
	Benzene	EPA	8260	Certified	NA
	Toluene	EPA	8260	Certified	NA
	Ethylbenzene	EPA	8260	Certified	NA
	Xylenes (Total)	EPA	8260	Certified	NA
UST-BTEX - Soil (COMPLETE group)					
	Benzene	EPA	8260	Certified	NA
	Toluene	EPA	8260	Certified	NA
	Ethylbenzene	EPA	8260	Certified	NA
	Xylenes (Total)	EPA	8260	Certified	NA
UST-UST - Water (COMPLETE group)					
	Volatile Petroleum Hydrocarbons	OTHR	OA-1	Certified	NA
	Volatile Petroleum Hydrocarbons	EPA	8260	Certified	NA
UST-UST - Soil (COMPLETE group)					
	Volatile Petroleum Hydrocarbons	OTHR	OA-1	Certified	NA
	Volatile Petroleum Hydrocarbons	EPA	8260	Certified	NA
UST-TEH - Water (COMPLETE group)					
	Total Extractable Hydrocarbons	OTHR	OA-2	Certified	NA
UST-TEH - Soil (COMPLETE group)					
	Total Extractable Hydrocarbons	OTHR	OA-2	Certified	NA
UST-MTBE - Water-Soil (COMPLETE group)					
	Methyl tert-Butyl Ether (MtBE)	EPA	8260	Certified	NA
WW-IOC - A/S #1 Regulated (INCOMPLETE group)					
	Aluminum (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Aluminum (Total)	EPA	200.8 Rev 5.4 (1994)	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
	Carb. Biochemical Oxygen Demand (CBOD5)	SM	5210 B	Certified	NA
	Boron (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Boron (Total)	EPA	200.8 Rev 5.4 (1994)	Provisional	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
	Calcium (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Chromium (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	200.8 Rev 5.4 (1994)	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
	Iron (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Iron (Total)	EPA	200.8 Rev 5.4 (1994)	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
	Magnesium (Total)	EPA	200.8 Rev 5.4 (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
	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
	Nitrite (as N)	EPA	300.0 Rev 2.1 (1993)	Certified	NA
	Potassium (Total)	EPA	200.7 Rev 4.4 (1994)	Certified	NA
	Potassium (Total)	EPA	200.8 Rev 5.4 (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
	Sodium (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	Sulfate	EPA	300.0 Rev 2.1 (1993)	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
	Titanium (Total)	EPA	200.8 Rev 5.4 (1994)	Certified	NA
	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)

Chemical Oxygen Demand (COD)	EPA	410.4 Rev 2.0 (1993)	Certified	NA
Organic carbon (Total) (TOC)	EPA	415.1 (Not for SDWA/WW)	Certified	NA
Organic carbon (Total) (TOC)	SM	5310 C (Oxidation)	Certified	NA
Residue-Total	SM	2540 B	Certified	NA

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

Hydrogen Ion (pH)	SM	4500-H+ B	Certified	NA
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SW/CS-IOC - Basic waste/soils (INCOMPLETE group)

Cyanide	EPA	9012	Certified	NA
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APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
SW/CS-IOC - Basic water (INCOMPLETE group)					
	Ammonia (as N)	EPA	350.2 (Not for SDWA/WW)	Certified	NA
	Chloride	EPA	325.3 (Not for SDWA/WW)	Certified	NA
	Cyanide	EPA	9012	Certified	NA
	Kjeldahl Nitrogen (Total as N)	EPA	351.2 Rev 2.0 (1993)	Certified	NA
	Nitrate-Nitrite (Total as N)	EPA	353.2 Rev 2.0 (1993)	Certified	NA
	Phosphate (Total as P)	EPA	365.1 Rev 2.0 (1993)	Certified	NA
	Sulfate	EPA	375.4 (Not for SDWA/WW)	Certified	NA
	Total Organic Carbon (TOC)	EPA	9060	Certified	NA
SW/CS-IOC - Metals waste/soils (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
	Beryllium	EPA	6010	Certified	NA
	Beryllium	EPA	6020	Certified	NA
	Boron	EPA	6010	Certified	NA
	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
	Copper	EPA	6010	Certified	NA
	Copper	EPA	6020	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
	Mercury	EPA	7471	Certified	NA
	Molybdenum	EPA	6010	Certified	NA
	Nickel	EPA	6010	Certified	NA
	Potassium	EPA	6010	Certified	NA
	Selenium	EPA	6010	Certified	NA
	Selenium	EPA	6020	Certified	NA
	Silver	EPA	6010	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
	Zinc	EPA	6010	Certified	NA

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
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
	Beryllium	EPA	6010	Certified	NA
	Beryllium	EPA	6020	Certified	NA
	Boron	EPA	6010	Certified	NA
	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
	Copper	EPA	6010	Certified	NA
	Copper	EPA	6020	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
	Mercury	EPA	7470	Certified	NA
	Molybdenum	EPA	6010	Certified	NA
	Nickel	EPA	6010	Certified	NA
	Nickel	EPA	6020	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
	Vanadium	EPA	6010	Certified	NA
	Zinc	EPA	6010	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
	Beryllium (Total)	EPA	6010	Certified	NA
	Beryllium (Total)	EPA	6020	Certified	NA
	Boron (Total)	EPA	6010	Certified	NA
	Cadmium (Total)	EPA	6010	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	6010	Certified	NA
	Chromium (Total)	EPA	6020	Certified	NA
	Copper (Total)	EPA	6010	Certified	NA
	Copper (Total)	EPA	6020	Certified	NA
	Lead (Total)	EPA	6010	Certified	NA
	Lead (Total)	EPA	6020	Certified	NA
	Manganese (Total)	EPA	6010	Certified	NA
	Mercury (Total)	EPA	7471	Certified	NA
	Molybdenum (Total)	EPA	6010	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
	Thallium (Total)	EPA	6010	Certified	NA
	Thallium (Total)	EPA	6020	Certified	NA
	Zinc (Total)	EPA	6010	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
	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

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
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
	Alachlor (Lasso)	EPA	8141	Certified	NA
	Atrazine	EPA	8141	Certified	NA
	Chlorpyrifos (Dursban)	EPA	8141	Certified	NA
	Diallate	EPA	8270	Certified	NA
	Dicamba (Banvel)	EPA	8151	Certified	NA
	Disulfoton	EPA	8141	Certified	NA
	Ethoprop (MoCap)	EPA	8141	Certified	NA
	Phorate (Thimet)	EPA	8141	Certified	NA
	Simazine	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
	Alachlor (Lasso)	EPA	8141	Certified	NA
	Atrazine	EPA	8141	Certified	NA
	Chlorpyrifos (Dursban)	EPA	8141	Certified	NA

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Dicamba (Banvel)	EPA	8151	Certified	NA
	Diallate	EPA	8270	Certified	NA
	Disulfoton	EPA	8141	Certified	NA
	Ethoprop (MoCap)	EPA	8141	Certified	NA
	Phorate (Thimet)	EPA	8141	Certified	NA

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

2-Methylnaphthalene	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(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 (INCOMPLETE group)

2-Methylnaphthalene	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

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	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(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 - Explosives waste/soil (COMPLETE group)					
	RDX, Total	EPA	8330	Certified	NA
	HMX	EPA	8330	Certified	NA
	2,4-Dinitrotoluene	EPA	8330	Certified	NA
	Trinitrotoluene	EPA	8330	Certified	NA
SW/CS-SOC - Semivolatiles waste/soils (INCOMPLETE group)					
	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
	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-Dinitrotoluene	EPA	8270	Certified	NA
	2-Chloronaphthalene	EPA	8270	Certified	NA
	2-Chlorophenol	EPA	8270	Certified	NA

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	2-Methylnaphthalene	EPA	8270	Certified	NA
	2-Methylphenol	EPA	8270	Certified	NA
	2-Nitroaniline	EPA	8270	Certified	NA
	2-Nitrophenol	EPA	8270	Certified	NA
	3,3'-Dichlorobenzidine	EPA	8270	Certified	NA
	3-Nitroaniline	EPA	8270	Certified	NA
	4,6-Dinitro-2-methylphenol	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
	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
	Butyl benzyl phthalate	EPA	8270	Certified	NA
	Carbazole	EPA	8270	Certified	NA
	Dibenzofuran	EPA	8270	Certified	NA
	Diethyl phthalate	EPA	8270	Certified	NA
	Dimethyl phthalate	EPA	8270	Certified	NA
	Di-n-Butyl Phthalate	EPA	8270	Certified	NA
	Di-n-octyl phthalate	EPA	8270	Certified	NA
	Hexachlorobenzene	EPA	8270	Certified	NA
	Hexachlorobutadiene	EPA	8270	Certified	NA
	Hexachlorocyclopentadiene	EPA	8270	Certified	NA
	Hexachloroethane	EPA	8270	Certified	NA
	Isophorone	EPA	8270	Certified	NA
	Nitrobenzene	EPA	8270	Certified	NA
	n-Nitroso-di-n-Dipropylamine	EPA	8270	Certified	NA
	n-Nitrosodimethylamine	EPA	8270	Certified	NA
	Pentachlorophenol	EPA	8270	Certified	NA
	Phenol	EPA	8270	Certified	NA
	Pyridine	EPA	8270	Certified	NA

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

	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
	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

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	2,6-Dinitrotoluene	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-Nitroaniline	EPA	8270	Certified	NA
	2-Nitrophenol	EPA	8270	Certified	NA
	3,3'-Dichlorobenzidine	EPA	8270	Certified	NA
	3-Nitroaniline	EPA	8270	Certified	NA
	4,6-Dinitro-2-methylphenol	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
	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
	Butyl benzyl phthalate	EPA	8270	Certified	NA
	Carbazole	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
	Hexachlorobenzene	EPA	8270	Certified	NA
	Hexachlorobutadiene	EPA	8270	Certified	NA
	Hexachlorocyclopentadiene	EPA	8270	Certified	NA
	Hexachloroethane	EPA	8270	Certified	NA
	Isophorone	EPA	8270	Certified	NA
	Nitrobenzene	EPA	8270	Certified	NA
	n-Nitroso-di-n-Dipropylamine	EPA	8270	Certified	NA
	n-Nitrosodimethylamine	EPA	8270	Certified	NA
	Pentachlorophenol	EPA	8270	Certified	NA
	Phenol	EPA	8270	Certified	NA
	Pyridine	EPA	8270	Certified	NA

SW/CS-UST - Gasoline and diesel waste/soils (COMPLETE group)

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

SW/CS-UST - Gasoline and diesel water (COMPLETE group)

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

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
SW/CS-VOC - Volatiles waste/soils (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
	1,2,3-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
	4-Methyl-2-Pentanone	EPA	8260	Certified	NA
	Acetone	EPA	8260	Certified	NA
	Acrylonitrile	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
	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
	Methyl Ethyl Ketone (2-Butanone)	EPA	8260	Certified	NA
	Methyl Iodide (Iodomethane)	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
	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

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	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	8021	Certified	NA
	1,1,1-Trichloroethane	EPA	8260	Certified	NA
	1,1,2,2-Tetrachloroethane	EPA	8021	Certified	NA
	1,1,2,2-Tetrachloroethane	EPA	8260	Certified	NA
	1,1,2-Trichloroethane	EPA	8021	Certified	NA
	1,1,2-Trichloroethane	EPA	8260	Certified	NA
	1,1-Dichloroethane	EPA	8021	Certified	NA
	1,1-Dichloroethane	EPA	8260	Certified	NA
	1,1-Dichloroethene	EPA	8021	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	8021	Certified	NA
	1,2-Dichlorobenzene	EPA	8260	Certified	NA
	1,2-Dichlorobenzene	EPA	8270	Certified	NA
	1,2-Dichloroethane	EPA	8021	Certified	NA
	1,2-Dichloroethane	EPA	8260	Certified	NA
	1,2-Dichloropropane	EPA	8021	Certified	NA
	1,2-Dichloropropane	EPA	8260	Certified	NA
	1,3-Dichlorobenzene	EPA	8021	Certified	NA
	1,3-Dichlorobenzene	EPA	8260	Certified	NA
	1,3-Dichlorobenzene	EPA	8270	Certified	NA
	1,3-Dichloropropane	EPA	8021	Certified	NA
	1,3-Dichloropropane	EPA	8260	Certified	NA
	1,4-Dichlorobenzene	EPA	8021	Certified	NA
	1,4-Dichlorobenzene	EPA	8260	Certified	NA
	1,4-Dichlorobenzene	EPA	8270	Certified	NA
	2-Hexanone	EPA	8260	Certified	NA
	2,6-Dichlorophenol	EPA	8270	Certified	NA
	3,3'-Dimethylbenzidine	EPA	8270	Certified	NA
	4-Aminobiphenyl	EPA	8270	Certified	NA
	4-Methyl-2-Pentanone	EPA	8260	Certified	NA
	4,6-Dinitro-2-methylphenol	EPA	8270	Certified	NA
	7,12-Dimethylbenz[a]anthracene	EPA	8270	Certified	NA
	Acetone	EPA	8260	Certified	NA
	Acetophenone	EPA	8270	Certified	NA
	Acrolein	EPA	8260	Certified	NA
	Acrylonitrile	EPA	8260	Certified	NA
	Allyl chloride	EPA	8260	Certified	NA

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Benzene	EPA	8021	Certified	NA
	Benzene	EPA	8260	Certified	NA
	Bromochloromethane	EPA	8260	Certified	NA
	Bromodichloromethane	EPA	8021	Certified	NA
	Bromodichloromethane	EPA	8260	Certified	NA
	Bromoform	EPA	8021	Certified	NA
	Bromoform	EPA	8260	Certified	NA
	Bromomethane	EPA	8021	Certified	NA
	Bromomethane	EPA	8260	Certified	NA
	Carbon disulfide	EPA	8260	Certified	NA
	Carbon tetrachloride	EPA	8021	Certified	NA
	Carbon tetrachloride	EPA	8260	Certified	NA
	Chlorobenzene	EPA	8021	Certified	NA
	Chlorobenzene	EPA	8260	Certified	NA
	Chlorodibromomethane	EPA	8021	Certified	NA
	Chlorodibromomethane	EPA	8260	Certified	NA
	Chloroethane	EPA	8021	Certified	NA
	Chloroethane	EPA	8260	Certified	NA
	Chloroform	EPA	8021	Certified	NA
	Chloroform	EPA	8260	Certified	NA
	Chloromethane	EPA	8021	Certified	NA
	Chloromethane	EPA	8260	Certified	NA
	Chloroprene	EPA	8260	Certified	NA
	cis-1,2-Dichloroethene	EPA	8021	Certified	NA
	cis-1,2-Dichloroethene	EPA	8260	Certified	NA
	cis 1,3-Dichloropropene	EPA	8021	Certified	NA
	cis 1,3-Dichloropropene	EPA	8260	Certified	NA
	Dichlorodifluoromethane	EPA	8021	Certified	NA
	Dichlorodifluoromethane	EPA	8260	Certified	NA
	Dimethoate	EPA	8270	Certified	NA
	Dinoseb (DNBP)	EPA	8270	Certified	NA
	Diphenylamine	EPA	8270	Certified	NA
	Ethylbenzene	EPA	8021	Certified	NA
	Ethylbenzene	EPA	8260	Certified	NA
	Ethyl methanesulfonate	EPA	8270	Certified	NA
	Hexachloropropene	EPA	8270	Certified	NA
	Methyl Ethyl Ketone (2-Butanone)	EPA	8260	Certified	NA
	Methyl Iodide (Iodomethane)	EPA	8260	Certified	NA
	Methyl tert-Butyl Ether (MtBE)	EPA	8260	Certified	NA
	Methylene Bromide (Dibromomethane)	EPA	8260	Certified	NA
	Methylene chloride	EPA	8021	Certified	NA
	Methylene chloride	EPA	8260	Certified	NA
	Styrene	EPA	8021	Certified	NA
	Styrene	EPA	8260	Certified	NA
	Tetrachloroethene	EPA	8021	Certified	NA
	Tetrachloroethene	EPA	8260	Certified	NA
	Toluene	EPA	8021	Certified	NA
	Toluene	EPA	8260	Certified	NA
	trans-1,2-Dichloroethene	EPA	8021	Certified	NA
	trans-1,2-Dichloroethene	EPA	8260	Certified	NA

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	trans-1,3-Dichloropropene	EPA	8021	Certified	NA
	trans-1,3-Dichloropropene	EPA	8260	Certified	NA
	trans-1,4-Dichloro-2-Butene	EPA	8260	Certified	NA
	Trichloroethene	EPA	8021	Certified	NA
	Trichloroethene	EPA	8260	Certified	NA
	Trichlorofluoromethane (CFC-11)	EPA	8260	Certified	NA
	Vinyl Acetate	EPA	8260	Certified	NA
	Vinyl Chloride	EPA	8021	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
	Volatile Organic Compounds	EPA	1312	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 UHL evaluation report for description and required action to upgrade status to Certified.)

1 GENERAL

It is recommended that this laboratory's certification be modified due to request of the laboratory to add the analytes listed on page 2 of this report.

It is recommended that provisional certification be issued for Boron by 200.8 in wastewater due to failure of the laboratory to submit acceptable performance testing (PT) results annually. Evidence of acceptable performance must be submitted to the DNR within 2 months from the date of the letter of certification or certification for these analytes will be revoked.

1.1 Personnel

Name	Title	Education	Essential
Amy Doupe	Principal Quality Specialist	BS.	Yes
Jennifer Hess	Manager	BS.	Yes
Richard Karam	Manager	BS.	Yes
Erik Frederiksen	Manager	BA.	Yes
Duane Luckenbill	Director	BS.	
Kathleen Loewen	QA Specialist	BS.	
Robert Strocko	Metals Manager	BS.	
Erik Frederiksen	Inorganic Manager	BA.	

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).

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 University Hygienic Laboratory. The evaluation was conducted by Lee Friell, Wolfgang Benninghoven.

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Iowa City, IA 52242
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RECOMMENDATION FROM UHL

To: IDNR
From: UHL 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
Amy Doupe, Laboratory Contact	717/656-2300	717/656-2681
Timothy Oostdyk, Responsible Party	717/656-2300	717/656-2681

Date Fee Paid	Amount Paid	Program	Date Fee Expires
12/14/2010	\$800.00	SDWA Dioxin	03/01/2013
12/14/2010	\$1600.00	SW/CS Inorganic Chemicals (IOC)	03/01/2013
12/14/2010	\$1600.00	SW/CS Synthetic Organic Chemicals (SOC)	03/01/2013
12/14/2010	\$1600.00	SW/CS Volatile Organic Chemicals	03/01/2013
12/14/2010	\$1600.00	UST, CWA, SW/CS Underground Storage Tank	03/01/2013
08/23/2011	\$1600.00	CWA Inorganic Chemicals (IOC)	03/01/2013

Program	Date of Iowa onsite	Resident state onsite	Resident state certification expires
WW		01/14/2010	01/31/2011
UST		01/14/2010	01/31/2011
SW		01/14/2010	01/31/2011

PERSONNEL AND REPORTING REQUIREMENTS

Personnel:

Amy Doupe, Principal Quality Specialist	Jennifer Hess, Manager
Richard Karam, Manager	Erik Frederiksen, Manager

Reporting Requirements:

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).