



**State of Connecticut  
Department of Public Health**

**REGULATORY SERVICES BRANCH  
ENVIRONMENTAL HEALTH SECTION  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM**

**APPLICATION FOR INITIAL APPROVAL OF AN ENVIRONMENTAL LABORATORY**

**Areas of approval are:**

**Chemical and Microbiological Environmental Examination of Potable Water, Wastewater, Sewage, Solid Waste, Soil, and Analysis of Asbestos in Air, Asbestos in Bulk Material and Asbestos in Water.**

**Mail Completed Applications and Supporting Documents to:**

**Connecticut Department of Public Health  
Environmental Laboratory Certification Program  
Environmental Health Section, MS# 11 LAB  
450 Capitol Avenue, P.O. Box 340308  
Hartford, Connecticut 06134-0308**

**For Express Mail/ Overnight Delivery, Send To:**

**Connecticut Department of Public Health  
Environmental Laboratory Certification Program  
Environmental Health Section, MS# 11 LAB  
410 Capitol Avenue  
Hartford, CT 06106**

In order for a laboratory to be registered and certified as an Environmental Laboratory in the State of Connecticut, it is first necessary for the proposed Director of the laboratory to meet regulatory requirements. The laboratory, once certified, must be maintained and operated in a manner acceptable to the State of Connecticut, Department of Public Health and must conform to the requirements set forth in General Statutes 19a-29a and Regulations of the Connecticut State Agencies Sections 19-4-1 and 19a-36-A25 through A33 and A57 through A63 inclusive. The certification of an Environmental Laboratory can be withdrawn at any time if, in the opinion of the department, its continued operation represents a public health hazard or is not in the best interest of the persons it serves.

**Program Telephone: (860) 509-7389  
Program Fax: (860) 509-7295**

**<http://www.ct.gov/dph/environmentallabs>**

Phone: (860) 509-8000 • Fax: (860) 509-7184 • VP: (860) 899-1611  
410 Capitol Avenue, P.O. Box 340308  
Hartford, Connecticut 06134-0308  
[www.ct.gov/dph](http://www.ct.gov/dph)  
*Affirmative Action/Equal Opportunity Employer*

**STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM**

**Requirements for Certification**

**ALL LABORATORIES**

1. A biennial fee of \$1250 is required from each laboratory for initial certification or renewal of certification. Check should be made payable to the “Treasurer, State of Connecticut”.
2. Submittal of a completed, signed and notarized application.
3. Qualified Director - In accordance with Section 19a-36-A62 of the Regulations of the Connecticut State Agencies. (See Director Requirements below.)

**IN-STATE LABORATORIES**

1. Approved Methodology - Must utilize Department approved methods of analysis.
2. Proficiency Test (PT) Samples - Must successfully analyze unknown proficiency samples supplied by an approved proficiency test sample provider.
3. On-Site Inspection - Must pass an inspection by an EPA certified member of the State laboratory certification team.
4. Technical Review - Will be performed by the Environmental Laboratory Certification Program to insure that all requirements have been met.

**OUT-OF-STATE LABORATORIES-Reciprocity with Home State having equivalent certification standards.**

1. Be certified by an accrediting authority recognized by the State of Connecticut.
2. Current Certificate of Approval/License - must supply documentation of certification by the primary and/or any secondary accrediting authorities. The certificates must indicate the specific tests for which the laboratory is certified.

**ADDITIONAL REQUIREMENTS FOR ASBESTOS LABORATORIES**

1. Any laboratory employing asbestos analysts, who analyzes air asbestos samples in the field by PCM, must have the employed analysts listed in the AIHA Asbestos Analysts Registry.

**APPROVAL OF ENVIRONMENTAL LABORATORY DIRECTOR-**

1. Section 19a-36-A62 of the Regulations of the Connecticut State Agencies requires that individuals overseeing the day-to-day operations of certified Environmental Laboratories meet the educational and experience requirements of this department.
2. Application – Application for approval of the director of an Environmental Laboratory shall be made on a form provided by the Department of Public Health. The disciplines of approval are: Chemical, Radiochemical, and Microbiological Environmental Examinations of Drinking Water, Non-Potable Water/ Wastewater, Soil/ Solid Waste, and Asbestos in Air, Bulk and Water.

**STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM**

3. **Educational Requirements** – The minimum educational requirements are a baccalaureate degree with at least eight semester hours in bacteriology and/or chemistry as appropriate. Official transcripts are required for documentation. Directors of asbestos laboratories must have passed a NIOSH 582 course, a PLM course or equivalent.
4. **Experience Requirement** – Applicants are required to possess a minimum of one year's pertinent experience in environmental analysis in Chemistry, Radiochemistry, Microbiology and/or Asbestos as appropriate. Experience in these areas may be gained concurrently. **Documentation is required for review.**

**BIENNIAL RENEWAL OF CERTIFICATION**

1. At the time the initial registration and certification is granted, the certified laboratory shall be assigned a unique Public Health number and an anniversary date for renewal of certification. A renewal application will be mailed to the laboratory by this department approximately one month before the anniversary date is to expire on a biennially basis.
2. Biennial renewal of certification is at the convenience of the Commissioner of Public Health and shall be dependent on the following:
  - Adherence of the laboratory and its director to the regulations and statutes of the State of Connecticut and all directives pursuant thereto.
  - Satisfactory performance in those proficiency test study programs required by the ELCP.
  - Satisfactory inspection of the facilities by the ELCP, or by an EPA approved certification officer or audit team from the laboratory's parent state or the equivalent as determined by the ELCP.

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**ENVIRONMENTAL LABORATORY: APPLICATION FOR CERTIFICATION**  
**PLEASE PRINT OR TYPE**

NAME OF LABORATORY \_\_\_\_\_

**Physical Address**

STREET ADDRESS \_\_\_\_\_ P.O.BOX \_\_\_\_\_

CITY/STATE/ZIP \_\_\_\_\_

**Mailing Address (Leave Blank if the Same)**

STREET ADDRESS \_\_\_\_\_ P.O.BOX \_\_\_\_\_

CITY/STATE/ZIP \_\_\_\_\_

TELEPHONE NUMBER \_\_\_\_\_ 2<sup>nd</sup> TELEPHONE NUMBER \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_

WEBSITE ADDRESS \_\_\_\_\_

FEDERAL EMPLOYEE IDENTIFICATION NUMBER (FEIN) \_\_\_\_\_

Type of Ownership      NAME, ADDRESS, TELEPHONE OF OWNER/COMPANY

Private \_\_\_\_\_

Corporation \_\_\_\_\_

Government \_\_\_\_\_

Non-profit \_\_\_\_\_

Director \_\_\_\_\_  
(print or type)

Registered Owner/  
Authorized Agent: \_\_\_\_\_  
(May be the same as Director, print or type)

Co-Director(s) (if any)  
(print or type)

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

Specialists (Personnel who will assist the Director in the performance of specialized testing)

NAME      DEGREE(S)      SPECIALTY\*

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

\* Microbiology, Inorganic Chemistry, Organic Chemistry, Asbestos, Radiochemistry

**Director Affiliation With Other Laboratories**

Is the Director affiliated with another laboratory?

If so, then information concerning the duties and hours involved must be provided below.

NOT APPLICABLE \_\_\_\_\_

YES \_\_\_\_\_ PLEASE SPECIFY

LABORATORY      FUNCTION      HOURS OF WORK

---

---

---

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

We, the undersigned, individually and jointly certify that the information that has been provided in this application is to the best of our knowledge and belief accurate and correct.

If registration and certification of this laboratory is granted by the Commissioner of Public Health, we agree to comply fully with all regulations of the State of Connecticut and directives pursuant thereto that may be issued by the Commissioner of Public Health or his representatives.

We fully understand that the Commissioner of Public Health may at any time revoke or suspend the registration and certification of this laboratory if, in his opinion, the laboratory has violated any regulation of the State of Connecticut or directive pursuant thereto, or if the continued operation of the laboratory is not in the best interest of the health and safety of the citizens of the State of Connecticut.

In witness whereof, we have hereunto set our hands and seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

---

Signature of Director

---

Signature of Registered Owner/  
Authorized Agent

---

Signature of Co-Director

State of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me \_\_\_\_\_  
(name of notary)  
duly qualified to administer oaths

Registered Owner/Authorized Agent: \_\_\_\_\_  
PRINT OR TYPE

Director: \_\_\_\_\_

PRINT OR TYPE

Co-Director: \_\_\_\_\_  
PRINT OR TYPE

and subscribed and made oath to the truth of the foregoing affidavit.

Date \_\_\_\_\_  
Notary Public

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

## DRINKING (POTABLE) WATER ANALYTES

## **MICROBIOLOGY(Check All Methods for Tests for which Certification is Sought).**

## **Total Coliforms**

Membrane Filter Methods      SM 9222B      MI Medium      M-ColiBlue24  
Coliscan      Chromocult

## Fermentation Broth Methods SM 9221B SM 9221D

Enzyme Substrate Methods	SM 9223 (Colilert P/A)	SM 9223 (Colilert -18 P/A)	SM 9223 (Colilert Enumeration)
	SM9223 (Colisure)	E-Colite Test	Readycult or Fluorocult LMX
	Colitag		

## **Fecal Coliforms**

Membrane Filter Methods SM 9222D

## Fermentation Broth Methods

## Escherichia coli

Membrane Filter Methods SM 9222G m-ColiBlue24 MI Medium

## Coliscan

**Heterotrophic Bacteria** SM 9215B SM 9215C SM 9215D SimPlate R2A

## List Methods in the Spaces Provided

## Cryptosporidium

## Giardia

## Legionella

## Plankton

## Microscopic Particulate Analysis

## Other

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**DRINKING (POTABLE) WATER ANALYTES**

**CHEMISTRY**

**INORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided)**

**Physicals**

Color	_____	pH	_____
Conductivity	_____	Temperature	_____
Odor	_____	Turbidity	_____

---

**Minerals**

Alkalinity	_____	Fluoride	_____
Bromide	_____	Hardness, Calcium	_____
Chloride	_____	Hardness, Total	_____
Chlorine (Free)	_____	Sulfate	_____
Chlorine (Total)	_____	Corrosivity	_____

---

**Inorganic Disinfection Byproducts**

Bromate	_____	Chlorite	_____
Chlorate	_____		

---

**Metals**

Aluminum	_____	Magnesium	_____
Antimony	_____	Manganese	_____
Arsenic	_____	Mercury	_____
Barium	_____	Molybdenum	_____
Beryllium	_____	Nickel	_____
Boron	_____	Potassium	_____
Cadmium	_____	Selenium	_____
Calcium	_____	Silver	_____
Chromium	_____	Sodium	_____
Cobalt	_____	Thallium	_____
Copper	_____	Tin	_____
Iron	_____	Vanadium	_____
Lead	_____	Zinc	_____

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**DRINKING (POTABLE) WATER ANALYTES**

**INORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided)**

**Nutrients**

Ammonia	_____	Nitrite	_____
Nitrate	_____	Ortho-Phosphate	_____

---

**Miscellaneous**

Asbestos	_____		
Cyanide	_____	Total Organic Carbon	_____
Perchlorate	_____	Total Diss. Solids	_____
Silica	_____	Total Solids	_____
Surfactants (MBAS)	_____	Total Phosphorus	_____

---

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided)**

**Total Trihalomethanes\***

Bromoform	_____	Chloroform	_____
Bromodichloromethane		Chlorodibromomethane	_____

---

**Volatile Organics\***

Benzene	Bromobenzene	Bromochloromethane
Bromomethane	n-Butylbenzene	sec-Butylbenzene
tert-Butylbenzene	Carbon Tetrachloride	Chlorobenzene
Chloroethane	Chloromethane	o-Chlorotoluene
p-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene
1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene
cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane
1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene
1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene
Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride
Methyl-tert-butylether	Naphthalene	n-Propylbenzene
Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane
Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane
Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane
1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (Total)

**Vinyl Chloride**

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**DRINKING (POTABLE) WATER ANALYTES**

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided)**

**EDB and DBCP\***

1,2-Dibromo-3-chloropropane \_\_\_\_\_ Ethylene Dibromide (EDB) \_\_\_\_\_

**Carbamates**

Aldicarb*	_____	3-Hydroxycarbofuran	_____
Aldicarb Sulfoxide*	_____	Methomyl	_____
Aldicarb Sulfone*	_____	Oxamyl (Vydate) *	_____
Carbaryl	_____		
Carbofuran*	_____		

**Chlorinated Herbicides**

2,4-D*	_____	2,4,5-TP (Silvex) *	_____
Acetochlor	_____	Dalapon*	_____
DCPA	_____	Dicamba	_____
Dinoseb*	_____	Endothall*	_____
Metolachlor	_____	Picloram*	_____
Pentachlorophenol*	_____	Terbacil	_____

**Chlorinated Pesticides/PCB's**

Aldrin	_____	Lindane ( $\gamma$ -BHC) *	_____
Chlordane (tech.) *	_____	Methoxychlor*	_____
Dieldrin	_____	Toxaphene*	_____
Endrin*	_____	PCB's (qualitative) #	_____
Heptachlor*	_____	PCB's as DCB (quantitative) *	_____
Heptachlor Epoxide*	_____		

**Nitrogen-Phosphorus Compounds**

Alachlor*	_____	Glyphosate*	_____
Atrazine*	_____	Metribuzin	_____
Butachlor	_____	Paraquat	_____
Diquat*	_____	Propachlor	_____
Simazine*	_____		

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**DRINKING (POTABLE) WATER ANALYTES**

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Organic Disinfection Byproducts\***

Bromochloroacetic Acid	_____	Monobromoacetic Acid	_____
Dibromoacetic Acid	_____	Monochloroacetic Acid	_____
Dichloroacetic Acid	_____	Trichloroacetic Acid	_____

**Miscellaneous SVOC's**

Benzo(a)pyrene*	_____	1,4, -Dioxane*	_____
bis(2-ethylhexyl)adipate*	_____	2,4-Dinitrotoluene	_____
bis(2-ethylhexyl)phthalate*	_____	2,6-Dinitrotoluene	_____
Hexachlorocyclopentadiene*	_____	Molinate	_____
Hexachlorobenzene*	_____	Nitrobenzene	_____

**Dioxin**

2,3,7,8-TCDD (Dioxin)\* \_\_\_\_\_

**\*Indicates these compounds have minimum reporting limit requirements.**

**# PCB concentrations may only be reported as decachlorobiphenyl (DCB). Individual aroclors are for qualitative identification only.**

**RADIOCHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

Cesium-134	_____	Radium-226	_____
Cesium-137	_____	Radium-228	_____
Cobalt-60	_____	Radon	_____
Gross Alpha	_____	Strontium-89	_____
Gross Beta	_____	Strontium-90	_____
Iodine-131	_____	Tritium	_____
Nickel-65	_____	Uranium	_____
Gamma (Photon) Emitters	_____		

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**NON-POTABLE WATER/WASTEWATER ANALYTES**

**MICROBIOLOGY (Check All Methods for Tests for which Certification is Sought).**

**Total Coliforms**

Membrane Filter Method	SM 9222B
.....	.....
Fermentation Broth Method	SM 9221B

---

**Fecal Coliforms**

Membrane Filter Method	SM 9222D
.....	.....
Fermentation Broth Method	SM 9221E

---

**Escherichia coli**

Membrane Filter Method	SM 9222G	SM 9213D	EPA 1603	EPA 1604
.....	m-ColiBlue24	.....	EPA 1103.1	.....
Enzyme Substrate Method	SM 9221B/F	.....	SM 9223B (Colilert Enumeration Only)	.....

---

**Fecal Streptococcus**

Membrane Filter Method	SM 9230C
.....	.....
Fermentation Broth Method	SM 9230B
.....	.....

---

**Enterococci**

Membrane Filter Method	SM 9230C/EPA 1106.1	EPA 1600
.....	.....	.....
Fermentation Broth Method	SM 9230B	.....
.....	.....	.....
Enzyme Substrate Method	Enterolert	.....
.....	.....	.....

---

**Heterotrophic Bacteria** SM 9215B SM 9215C SM 9215D

---

**Cryptosporidium** EPA 1622 EPA 1623

---

**Giardia** EPA 1623

---

**List Methods in the Spaces Provided**

Legionella \_\_\_\_\_

Plankton \_\_\_\_\_

Microscopic Particulate Analysis \_\_\_\_\_

Other \_\_\_\_\_

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**NON-POTABLE WATER/WASTEWATER ANALYTES**

**CHEMISTRY**

**INORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Physicals**

Color	_____	pH	_____
Conductivity	_____	Temperature	_____
Odor	_____	Turbidity	_____

---

**Minerals**

Acidity	_____	Fluoride	_____
Alkalinity	_____	Hardness, Calcium	_____
Bromide	_____	Hardness, Total	_____
Chloride	_____	Sulfate	_____
Chlorine (Free)	_____	Sulfide	_____
Chlorine (Total)	_____	Sulfite	_____

---

**Inorganic Disinfection Byproducts**

Bromate	_____	Chlorite	_____
Chlorate	_____		

---

**Nutrients**

Ammonia	_____	Nitrite	_____
Nitrate	_____	ortho-Phosphate	_____
Kjeldahl Nitrogen	_____	Phosphorus, Total	_____

---

**Miscellaneous**

Chromium, Hexavalent	_____	Surfactants (MBAS)	_____
Cyanide	_____	Total Dissolved Solids	_____
Perchlorate	_____	Total Solids	_____
Phenolics, Total	_____	Total Suspended Solids	_____
Silica	_____	Total Volatile Solids	_____

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**NON-POTABLE WATER/WASTEWATER ANALYTES**

**INORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Demands**

BOD \_\_\_\_\_ Chemical Oxygen Demand \_\_\_\_\_  
Carbonaceous BOD \_\_\_\_\_ Total Organic Carbon \_\_\_\_\_

---

**Metals**

Aluminum _____	Manganese _____
Antimony _____	Mercury _____
Arsenic _____	Molybdenum _____
Barium _____	Nickel _____
Beryllium _____	Potassium _____
Boron _____	Selenium _____
Cadmium _____	Silver _____
Calcium _____	Sodium _____
Chromium _____	Strontium _____
Cobalt _____	Thallium _____
Copper _____	Tin _____
Iron _____	Titanium _____
Lead _____	Vanadium _____
Magnesium _____	Zinc _____

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**NON-POTABLE WATER/WASTEWATER ANALYTES**

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Acid Extractables**

4-Chloro-3-methylphenol	3&4-Methylphenol
2-Chlorophenol	2-Nitrophenol
2,4-Dichlorophenol	4-Nitrophenol
2,6-Dichlorophenol	Pentachlorophenol
2,4-Dimethylphenol	Phenol
2,4-Dinitrophenol	2,4,5-Trichlorophenol
2-Methyl-4,6-dinitrophenol	2,4,6-Trichlorophenol
2-Methylphenol	

**Benzidines**

Benzidine	3,3'-Dichlorobenzidine
-----------	------------------------

**Chlorinated Hydrocarbons**

1-Chloronaphthalene	Hexachloroethane
2-Chloronaphthalene	Hexachlorocyclopentadiene
Hexachlorobenzene	1,2,4-Trichlorobenzene
Hexachlorobutadiene	

**Haloethers**

bis(2-chloroethyl)ether	4-Bromophenyl phenyl ether
bis(2-chloroethoxy)methane	4-Chlorophenyl phenyl ether
bis(2-chloroisopropyl)ether (or 2,2'-oxybis(1-chloropropane)	

**Nitroaromatics/Isophorone**

4-Chloroaniline	3-Nitroaniline
2,4-Dinitrotoluene	4-Nitroaniline
2,6-Dinitrotoluene	Nitrobenzene
Isophorone	Pyridine
2-Nitroaniline	Carbazole

**Nitrosamines**

N-Nitrosodimethylamine	N-Nitroso-di-n-propylamine
N-Nitrosodiphenylamine	

**Phthalates**

bis(2-ethylhexyl)phthalate	Diethyl phthalate
Butylbenzyl phthalate	Dimethylphthalate
Di-n-butyl phthalate	Di-n-octyl phthalate

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**NON-POTABLE WATER/WASTEWATER ANALYTES**

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Polynuclear Aromatic Hydrocarbons**

Acenaphthene	Chrysene
Acenaphthylene	Dibenzo(a,h)anthracene
Anthracene	Dibenzofuran
Benzo(a)anthracene	Fluoranthene
Benzo(b)fluoranthene	Indeno(1,2,3-cd)pyrene
Benzo(k)fluoranthene	2-Methylnaphthalene
Benzo(a)pyrene	Naphthalene
Benzo(g,h,i)perylene	Phenanthrene
	Pyrene

**Miscellaneous Organics**

Alachlor	Atrazine	Oil & Grease (HEM)
Aldicarb	Formaldehyde	PHC (HEM/Silica Gel)
2,3,7,8-TCDD (Dioxin)	PCBs in Oil	
Polychlorinated Dioxins and Dibenzofurans		Connecticut ETPH
MA Volatile Petroleum Hydrocarbons		MA Extractable Petroleum Hydrocarbons
Simazine	Total Organic Halides	

**Organochlorine Pesticides**

Aldrin	4,4'-DDD	Endrin Aldehyde
α-BHC	4,4'-DDE	Endrin Ketone
β-BHC	4,4'-DDT	Heptachlor
δ-BHC	Dieldrin	Heptachlor Epoxide
γ-BHC (Lindane)	Endosulfan I	Methoxychlor
α-Chlordane	Endosulfan II	Toxaphene
γ-Chlordane	Endosulfan Sulfate	
Chlordane, technical	Endrin	

**Polychlorinated Biphenyls (PCB's)**

Aroclor-1016	Aroclor-1242	Aroclor-1260
Aroclor-1221	Aroclor-1248	Aroclor-1262
Aroclor-1232	Aroclor-1254	

**Chlorinated Herbicides**

2,4-D	Dalapon	MCPA
2,4-DB	Dicamba	MCPP
2,4,5-TP (Silvex)	Dichloroprop	4-Nitrophenol
2,4,5-T	Dinoseb	Pentachlorophenol

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**NON-POTABLE WATER/WASTEWATER ANALYTES**

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Volatile Organic Compounds (VOC's)**

Acetone	1,2-Dichlorobenzene	n-Propylbenzene
Acrolein	1,3-Dichlorobenzene	Styrene
Acrylonitrile	1,4-Dichlorobenzene	1,1,1,2-Tetrachloroethane
Benzene	1,4-Dichlorobutene	1,1,2,2-Tetrachloroethane
n-Butylbenzene	1,1-Dichloroethane	Tetrachloroethene
sec-Butylbenzene	1,2-Dichloroethane	Toluene
tert-Butylbenzene	1,1-Dichloroethene	1,1,1-Trichloroethane
Bromodichloromethane	cis-1,2-Dichloroethene	1,1,2-Trichloroethane
Bromoform	trans-1,2-Dichloroethene	Trichloroethene
Bromomethane	1,2-Dichloropropane	Trichlorofluormethane
2-Butanone (MEK)	cis-1,3-Dichloropropene	1,2,4-Trimethylbenzene
Carbon Disulfide	trans-1,3-Dichloropropene	1,3,5-Trimethylbenzene
Carbon Tetrachloride	Ethylbenzene	Vinyl Chloride
Chlorobenzene	2-Hexanone	Xylenes
Chlorodibromomethane	Isopropylbenzene	Trichlorotrifluoroethane(1)
Chloroethane	p-Isopropyltoluene	
Chloroform	4-Isopropyltoluene	
Chloromethane	Methylene Chloride	
2-Chlorotoluene	4-Methyl-2-pentanone(MIBK)	Ethylene Dibromide
4-Chlorotoluene	Methyl-tert-butylether(MTBE)	1,2 – DBCP

(1) Freon 113

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**NON-POTABLE WATER/WASTEWATER ANALYTES**

**RADIOCHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

---

Cesium-134	_____	Radium-226	_____
Cesium-137	_____	Radium-228	_____
Cobalt-60	_____	Radon	_____
Gross Alpha	_____	Strontium-89	_____
Gross Beta	_____	Strontium-90	_____
Iodine-131	_____	Tritium	_____
Nickel-65	_____	Uranium	_____
Gamma (Photon) Emitters	_____		

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**SOLID WASTE/ SOIL ANALYTES**

**CHEMISTRY**

**INORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Miscellaneous Wet Chemistry**

Ammonia-nitrogen	_____	Sulfide	_____
Chromium, Hexavalent	_____	Total Kjeldahl Nitrogen	_____
Cyanide	_____	Total Organic Carbon	_____
pH	_____	Total Phosphorus	_____
Phenolics, Total	_____	Total Solids	_____
		Total Volatile Solids	_____

---

**Metals**

Aluminum	_____	Manganese	_____
Antimony	_____	Mercury	_____
Arsenic	_____	Molybdenum	_____
Barium	_____	Nickel	_____
Beryllium	_____	Potassium	_____
Boron	_____	Selenium	_____
Cadmium	_____	Silver	_____
Calcium	_____	Sodium	_____
Chromium	_____	Strontium	_____
Cobalt	_____	Thallium	_____
Copper	_____	Tin	_____
Iron	_____	Titanium	_____
Lead	_____	Vanadium	_____
Magnesium	_____	Zinc	_____

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**SOLID WASTE/ SOIL ANALYTES**

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Acid Extractables**

4-Chloro-3-methylphenol	3&4-Methylphenol	2,4-Dinitrophenol
2-Chlorophenol	2-Nitrophenol	2-Methyl-4,6-dinitrophenol
2,4-Dichlorophenol	4-Nitrophenol	2-Methylphenol
2,6-Dichlorophenol	Pentachlorophenol	2,4,5-Trichlorophenol
2,4-Dimethylphenol	Phenol	2,4,6-Trichlorophenol

**Benzidines**

Benzidine	3,3'-Dichlorobenzidine
-----------	------------------------

**Chlorinated Hydrocarbons**

1-Chloronaphthalene	Hexachloroethane
2-Chloronaphthalene	Hexachlorocyclopentadiene
Hexachlorobenzene	1,2,4-Trichlorobenzene
Hexachlorobutadiene	

**Haloethers**

bis(2-chloroethyl)ether	4-Bromophenyl phenyl ether
bis(2-chloroethoxy)methane	4-Chlorophenyl phenyl ether
bis(2-chloroisopropyl)ether (or 2,2'-oxybis(1-chloropropane)	

**Nitroaromatics/Isophorone**

4-Chloroaniline	3-Nitroaniline
2,4-Dinitrotoluene	4-Nitroaniline
2,6-Dinitrotoluene	Nitrobenzene
Isophorone	Pyridine
2-Nitroaniline	Carbazole

**Nitrosamines**

N-Nitrosodimethylamine	N-Nitroso-di-n-propylamine
N-Nitrosodiphenylamine	

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**SOLID WASTE/ SOIL ANALYTES**

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Phthalates**

bis(2-ethylhexyl)phthalate	Diethyl phthalate
Butylbenzyl phthalate	Dimethylphthalate
Di-n-butyl phthalate	Di-n-octyl phthalate

---

**Polynuclear Aromatic Hydrocarbons**

Acenaphthene	Chrysene
Acenaphthylene	Dibenz(a,h)anthracene
Anthracene	Dibenzofuran
Benzo(a)anthracene	Fluoranthene
Benzo(b)fluoranthene	Indeno(1,2,3-cd)pyrene
Benzo(k)fluoranthene	2-Methylnaphthalene
Benzo(a)pyrene	Naphthalene
Benzo(g,h,i)perylene	Phenanthrene
	Pyrene

**Miscellaneous Organics**

Alachlor	Atrazine	Oil & Grease (HEM)
Aldicarb	Simazine	PHC (HEM/Silica Gel)
2,3,7,8-TCDD (Dioxin)	PCBs in Oil	Total Organic Halides
Polychlorinated Dioxins and Dibenzofurans		Connecticut ETPH
MA Volatile Petroleum Hydrocarbons	MA Extractable Petroleum Hydrocarbons	

---

**Organochlorine Pesticides**

Aldrin	4,4'-DDD	Endrin Aldehyde
α-BHC	4,4'-DDE	Endrin Ketone
β-BHC	4,4'-DDT	Heptachlor
δ-BHC	Dieldrin	Heptachlor Epoxide
γ-BHC (Lindane)	Endosulfan I	Methoxychlor
α-Chlordane	Endosulfan II	Toxaphene
γ-Chlordane	Endosulfan Sulfate	
Chlordane, technical	Endrin	

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**SOLID WASTE/ SOIL ANALYTES**

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Polychlorinated Biphenyls (PCB's)**

Aroclor-1016	Aroclor-1242	Aroclor-1260
Aroclor-1221	Aroclor-1248	Aroclor-1262
Aroclor-1232	Aroclor-1254	

---

**Chlorinated Herbicides**

2,4-D	Dalapon	MCPA
2,4-DB	Dicamba	MCPP
2,4,5-TP (Silvex)	Dichloroprop	4-Nitrophenol
2,4,5-T	Dinoseb	Pentachlorophenol

---

**Volatile Organic Compounds (VOC's)**

Acetone	1,2-Dichlorobenzene	n-Propylbenzene
Acrolein	1,3-Dichlorobenzene	Styrene
Acrylonitrile	1,4-Dichlorobenzene	1,1,1,2-Tetrachloroethane
Benzene	1,4-Dichlorobutene	1,1,2,2-Tetrachloroethane
n-Butylbenzene	1,1-Dichloroethane	Tetrachloroethene
sec-Butylbenzene	1,2-Dichloroethane	Toluene
tert-Butylbenzene	1,1-Dichloroethene	1,1,1-Trichloroethane
Bromodichloromethane	cis-1,2-Dichloroethene	1,1,2-Trichloroethane
Bromoform	trans-1,2-Dichloroethene	Trichloroethene
Bromomethane	1,2-Dichloropropane	Trichlorofluoroethane (1)
2-Butanone (MEK)	cis-1,3-Dichloropropene	Trichlorofluoromethane
Carbon Disulfide	trans-1,3-Dichloropropene	1,2,4-Trimethylbenzene
Carbon Tetrachloride	Ethylbenzene	1,3,5-Trimethylbenzene
Chlorobenzene	2-Hexanone	Vinyl Chloride
Chlorodibromomethane	Isopropylbenzene	Xylenes
Chloroethane	p-Isopropyltoluene	
Chloroform	4-Isopropyltoluene	Ethylene Dibromide
Chloromethane	Methylene Chloride	1,2-DBCP
2-Chlorotoluene	4-Methyl-2-pentanone(MIBK)	
4-Chlorotoluene	Methyl-tert-butylether(MTBE)	

(1) Freon 113

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**SOLID WASTE/ SOIL ANALYTES**

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**RCRA Characteristics**

Corrosivity (pH)	_____	SPLP Leaching	_____
Ignitability	_____	TCLP Leaching	_____
Reactivity (2)	_____		

(2) Requires cyanide and sulfide approval.

**RADIOCHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided)**

---

Cesium-134	_____	Radium-226	_____
Cesium-137	_____	Radium-228	_____
Cobalt-60	_____	Radon	_____
Gross Alpha	_____	Strontium-89	_____
Gross Beta	_____	Strontium-90	_____
Iodine-131	_____	Tritium	_____
Nickel-65	_____	Uranium	_____
Gamma (Photon) Emitters	_____		

---

**ENVIRONMENTAL HEALTH & HOUSING**

**(Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Environmental Lead**

Soil \_\_\_\_\_ Dust Wipes \_\_\_\_\_ Paint Chips \_\_\_\_\_

**Requires AIHA PT Participation or equivalent.**

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**CONSTRUCTION, RENOVATION AND DEMOLITION BUILDING MATERIALS**

**ASBESTOS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

In order to obtain approval for post abatement/reoccupancy samples or samples analyzed to determine completion of response actions, laboratories shall be accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) to conduct asbestos determination in air fibers analysis using transmission electron microscopy (TEM) or; laboratories shall be accredited by the American Industrial Hygiene Association, or other certifying agency acceptable to the Department of Public Health, for asbestos determination asbestos in air fibers by optical microscopy or electron microscopy; or individuals shall be listed in the American Industrial Hygiene Association's Asbestos Analyst's Registry (AAR). Any analyst who performs asbestos determinations in the field, (e.g. not in a fixed laboratory), for post abatement/reoccupancy criteria (PAC) or to determine completion of response actions shall be listed in the AAR.

Please list the methods used in the appropriate spaces

**Asbestos in Air Fibers for PAC/response action  
Completion** \_\_\_\_\_

**Asbestos in Bulk Materials** \_\_\_\_\_

Please list accreditations for post abatement/reoccupancy and completion of response actions for your laboratory:

---

---

---

---

---

---

STATE OF CONNECTICUT  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

**ANIMAL AND PLANT TISSUES**

**INORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Metals**

Arsenic	<hr/>	Cadmium	<hr/>	Chromium	<hr/>
Lead	<hr/>	Nickel	<hr/>	Selenium	<hr/>
Mercury	<hr/>	Zinc	<hr/>		

**ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought in the Spaces Provided).**

**Organochlorine Pesticides** 

---

**Organophosphate Pesticides** 

---

**Triazine Pesticides** 

---

**Polychlorinated Biphenyls (PCB's)** 

---

**Polynuclear Aromatic Hydrocarbons** 

---