



**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 The certification of an Environmental Laboratory can be withdrawn at any time if, in the opinion of the department, its continued operation represents a public health hazard or is not in the best interest of the persons it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
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.

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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.

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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 _____ 2nd 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) _____

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

	<u>NAME</u>	<u>DEGREE(S)</u>	<u>SPECIALTY*</u>
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

<u>LABORATORY</u>	<u>FUNCTION</u>	<u>HOURS OF WORK</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

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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	SM 9221E (EC Broth)	SM 9221E (A-1 Broth)	

Escherichia coli

Membrane Filter Methods	SM 9222G	m-ColiBlue24	MI Medium
	Coliscan		
.....			
Enzyme Substrate Methods	SM 9223 (Colilert P/A)	SM 9223 (Colilert -18 P/A)	SM 9223 (Colisure)
	SM 9223 (Colilert Enumeration)	Colitag	
	SM 9221F	Readycult or Fluorocult LMX	

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

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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

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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 (γ -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* _____

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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	_____		

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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 _____

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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	_____

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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	_____

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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
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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

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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

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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	
Chloroethane	p-Isopropyltoluene	Trichlorotrifluoroethane(1)
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

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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	_____

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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
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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	

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Phthalates

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

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 _____	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	

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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

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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.

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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:

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ANIMAL AND PLANT TISSUES

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

Metals

Arsenic _____	Cadmium _____	Chromium _____
Lead _____	Nickel _____	Selenium _____
Mercury _____	Zinc _____	

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 _____