



State of Connecticut
Department of Public Health

Environmental Health Section

APPLICATION FOR BIENNIAL RENEWAL OF AN ENVIRONMENTAL LABORATORY

Areas of approval are:

Chemical and Microbiological Environmental Examination of Drinking Water, Non-Potable Water/Wastewater, Solid Waste/Soil, Animal & Plant Tissues and Analysis of Asbestos {air fibers, bulk materials, & water}

Mail Completed Application and Supporting Documents to:

**Connecticut Department of Public Health
Environmental Laboratory Certification Program
Facility Licensing & Investigations Section, MS# 11 LAB
410 Capitol Avenue, P.O. Box 340308
Hartford, CT 06134-0308**

For Overnight Mail Send To:

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

In order for a laboratory to renew its certification in the State of Connecticut, it is first necessary for the proposed Director, if not previously approved, to meet regulatory requirements. The laboratory must be maintained and operated in a manner acceptable to the Connecticut Department of Public Health and must conform to the requirements set forth in General Statutes 19a-29a and Public Health Code 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The certification of an Environmental Laboratory can be withdrawn at any time if, in the opinion of the Department, its continued operation represents a public health hazard or is not in the best interest of the persons it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
Fax (860) 509-7295**

Phone: (860) 509-8000 • Fax: (860) 509-7184 • VP: (860) 899-1611
Telecommunications Relay Service 7-1-1
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

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

RENEWAL PACKAGE CHECKLIST

Typically half of the laboratories omit items needed to process the renewal application. This checklist was prepared to aid laboratories in preparing the renewal package.

ALL LABORATORIES

- _____ Check for \$1250.00 payable to “Treasurer State of Connecticut.”
- _____ Completed Application signed by Laboratory Director and Registrant/Authorized Agent.
- _____ Methods of analysis (e.g. SM2340C, 8270, etc.) filled in the blanks on the application (do not just “check off” analytes).
- _____ For any change in the laboratory director or co-director a completed laboratory director’s application. Note as per the application, there are educational and experience requirements and official transcripts are required.

OUT OF STATE LABORATORIES

- _____ In addition to the above items, copies of your primary accrediting authority’s list of certified analytes and any other state/federal certifications (e.g. NVLAP, AIHA).

FAILURE TO SUBMIT ANY OF THE ABOVE ITEMS WILL RESULT IN A DELAY IN PROCESSING YOUR APPLICATION AND MAY RESULT IN A TEMPORARY LOSS OF CERTIFICATION.

STATE OF CONNECTICUT
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

DATE: _____ REGISTRATION NO. PH – _____

NAME OF LABORATORY: _____

Physical Address

STREET ADDRESS: _____

CITY, STATE & ZIP _____

Mailing Address (Leave Blank if the Same)

STREET ADDRESS _____

CITY, STATE & ZIP _____

FEDERAL EMPLOYEE IDENTIFICATION NUMBER (FEIN) _____

EMAIL ADDRESS _____

PHONE NUMBER 1. _____ 2. _____

1. TYPE OF OWNERSHIP

Private Individual _____

Corporation (Profit) _____

Corporation (Non-Profit) _____

Government _____

Partnership _____

Other (Specify) _____

Please supply name of officers and Board of Directors. Use additional sheets, if necessary.

NAME: _____

STREET ADDRESS: _____

CITY, STATE & ZIP _____

**2. Note here any changes in Name, Address, Director, Registered
Owner/Authorized Agent.**

3. Specify here individual who, in the occasional absence of the director, supervises laboratory operations:

Name _____ Degree _____

Years Experience: _____

Specialty Areas _____

4. Specialist Personnel employed in your laboratory.

Name _____ Degree _____

Years Experience: _____

Specialty Areas _____

STATE OF CONNECTICUT
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

Name _____ Degree _____

Years Experience: _____

Specialty Areas _____

Name _____ Degree _____

Years Experience: _____

Specialty Areas _____

5. Number of Personnel employed with the degree indicated

Associate Degree _____ BA/BS _____ MS/MA _____

Ph. D. _____ Technical Personnel without Degrees _____

6. Working Hours at Laboratory

Director: _____ to _____ Co-Director: _____ to _____

Q.A. Manager: _____ to _____ Supervisor: _____ to _____

7. Subcontract Labs within Connecticut (list name and registration number)

Name: _____ PH-0 _____

Name: _____ PH-0 _____

Name: _____ PH-0 _____

Name: _____ PH-0 _____

8. Subcontract Labs outside Connecticut (list name and registration number)

Name: _____ PH-0 _____

Name: _____ PH-0 _____

Name: _____ PH-0 _____

Name: _____ PH-0 _____

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/her 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 _____
(Print 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.

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) ____ SM 9223 (Colisure) ____
 E-Colite Test ____ Colitag ____ Readycult or Fluorocult LMX ____

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 ____ MI Medium ____ M-ColiBlue24 ____
 Coliscan ____ Chromocult ____
.....

Enzyme Substrate Methods SM9223 (Colilert P/A) ____ SM 9223 (Colilert -18 P/A) ____
 SM9223 (Colilert Enumeration) ____ SM9223 (Colisure) ____ E-Colite Test ____
 Colitag ____ SM9221F ____ Readycult or Fluorocult LMX ____

Heterotrophic Bacteria SM9215B ____ SM9215C ____ SM9215D ____ 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	_____	Total Organic Carbon	_____
Cyanide	_____	Total Diss. Solids	_____
Perchlorate	_____	Total Solids	_____
Silica	_____	Total Phosphorus	_____
Surfactants (MBAS)	_____		

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

EDB and DBCP*

1,2-Dibromo-3-chloropropane	Ethylene Dibromide (EDB)
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DRINKING (POTABLE) WATER ANALYTES

ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought).

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 (technical.)*	_____	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*	_____		

Organic Disinfection Byproducts*

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

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DRINKING (POTABLE) WATER ANALYTES

ORGANIC CHEMICALS (Specify Methods for All Tests for which Certification is Sought).

Miscellaneous SVOC's

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

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).

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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WASTEWATER/NON-POTABLE WATER 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 ____ SM 9223B (Colilert Enumeration Only)

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

WASTEWATER/NON-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

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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WASTEWATER/NON-POTABLE WATER 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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WASTEWATER/NON-POTABLE WATER 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	

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WASTEWATER/NON-POTABLE WATER 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	Dibenzo(a,h)anthracene
Anthracene	Dibenzofuran
	Fluoranthene
Benzo(a)anthracene	Indeno(1,2,3-cd)pyrene
Benzo(b)fluoranthene	2-Methylnaphthalene
Benzo(k)fluoranthene	Naphthalene
Benzo(a)pyrene	Phenanthrene
Benzo(g,h,i)perylene	Pyrene

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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WASTEWATER/NON-POTABLE WATER 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	Trichlorofluoromethane
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

Miscellaneous Organics

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

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WASTEWATER/NON-POTABLE WATER 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	_____		

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

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	

Phthalates

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

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SOLID WASTE/ SOIL 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 _____	Aldicarb _____	Atrazine _____
Formaldehyde _____	Oil & Grease (HEM) _____	PCBs in Oil _____
PHC (HEM/Silica Gel) _____	2,3,7,8-TCDD (Dioxin) _____	Simazine _____
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	

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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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

RCRA Characteristics

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

(2) Requires cyanide and sulfide approval.

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SOLID WASTE/ SOIL 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	_____		

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 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.

**Asbestos in Air Fibers for PAC/response action
completion**

Asbestos in Bulk Materials

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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 _____

Triazine Pesticides _____

Polychlorinated Biphenyls (PCB's) _____

Polynuclear Aromatic Hydrocarbons _____