

# State of Connecticut, Department of Public Health

## Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

### EMSL ANALYTICAL, INC - CHEMISTRY DIVISION

LOCATED AT \_\_\_\_\_ AND REGISTERED IN THE NAME OF 3 Cooper Street IN \_\_\_\_\_ Westmont, New Jersey 08108  
\_\_\_\_\_ William Chamberlain

THIS CERTIFICATE IS ISSUED IN THE NAME OF \_\_\_\_\_ Gerold Miller, Ph.D., Director WHO HAS BEEN DESIGNATED BY THE REGISTRANT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

POTABLE WATER, WASTEWATER, SOLID WASTE/SOIL      SOIL, DUST WIPES, PAINT CHIPS

Examination for:  
Inorganic Chemicals  
Organic Chemicals

Examination for:  
Environmental Lead

See Computer Print-Out for Specific Tests Approved

THIS CERTIFICATE EXPIRES \_\_\_\_\_ September 30, 2004 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH DATED AT HARTFORD, CONNECTICUT, THIS \_\_\_\_\_ 1<sup>st</sup> DAY OF \_\_\_\_\_ October 2002



PH-0270

  
DIRECTOR, DIVISION OF ENVIRONMENTAL HEALTH

APPROVED ANALYTES LIST

[TESTS APPROVED INDICATED BY "✓"]

POTABLE WATER    WASTEWATER    SOLID WASTE/SOIL

CHEMISTRY

Inorganic Chemicals:

Physical Exams:

Color ✓  
Odor ✓  
Turbidity ✓  
pH ✓  
Conductivity ✓  
Temperature ✓

✓  
✓  
✓  
✓  
✓  
✓

✓  
✓  
✓  
✓  
✓  
✓

Minerals:

Acidity ✓  
Alkalinity ✓  
Hardness (Ca) ✓  
Hardness (Total) ✓  
Sulfate ✓  
Sulfide ✓  
Sulfite ✓  
Bromide ✓  
Chloride ✓  
Fluoride ✓  
Chlorine ✓

✓  
✓  
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✓

Nutrients:

Ammonia ✓  
Kjeldahl Nitrogen ✓  
Nitrate ✓  
Nitrite ✓  
Ortho-phosphate ✓  
Total Phosphorus ✓

✓  
✓  
✓  
✓  
✓  
✓

✓  
✓  
✓  
✓  
✓  
✓



APPROVED ANALYTES LIST

[TESTS APPROVED INDICATED BY "✓"]

POTABLE WATER      WASTEWATER      SOLID WASTE/SOIL

Miscellaneous:

|                        |       |       |       |
|------------------------|-------|-------|-------|
| Total Solids           | _____ | ✓     | _____ |
| Total Dissolved Solids | _____ | ✓     | _____ |
| Total Volatile Solids  | _____ | ✓     | _____ |
| Total Suspended Solids | _____ | ✓     | _____ |
| Chromium VI            | _____ | ✓     | _____ |
| Cyanide                | _____ | ✓     | _____ |
| Silica                 | _____ | _____ | _____ |
| Surfactants            | _____ | ✓     | _____ |
| Ignitability           | _____ | _____ | _____ |
| Corrosivity            | _____ | _____ | _____ |

Environmental Lead:

|             |       |   |
|-------------|-------|---|
| Paint Chips | _____ | ✓ |
| Dust Wipes  | _____ | ✓ |
| Soil        | _____ | ✓ |

POTABLE WATER      WASTEWATER      SOLID WASTE/SOIL

Inorganic Disinfection Byproducts

|       |       |       |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

Organic Chemicals:

Miscellaneous:

|                          |       |       |       |
|--------------------------|-------|-------|-------|
| Acrolein & Acrylonitrile | _____ | ✓     | _____ |
| Base/Neutrals & Acids    | _____ | _____ | _____ |
| Benzidine                | _____ | _____ | _____ |
| Chlorinated Hydrocarbons | _____ | _____ | _____ |
| Dioxins & Furans         | _____ | _____ | _____ |
| Halocetic Acids          | _____ | _____ | _____ |
| Haloethers               | _____ | _____ | _____ |
| Herbicides               | _____ | _____ | _____ |
| Naphthalene              | _____ | _____ | _____ |

APPROVED ANALYTES LIST

[TESTS APPROVED INDICATED BY "✓"]

Organic Chemicals:

Miscellaneous: (Continued)

|                           | POTABLE WATER | WASTEWATER | SOLID WASTE/SOI |
|---------------------------|---------------|------------|-----------------|
| Nitroaromatics/Isophorone |               | ✓          |                 |
| Nitrosamines              |               | ✓          |                 |
| PCBs                      |               | ✓          |                 |
| PCBs in Oil               |               | ✓          | ✓               |
| Perchlorate               |               |            |                 |
| Pesticides                |               | ✓          | ✓               |
| Phenols/Phenolics         |               | ✓          | ✓               |
| Phthalate Esters          |               | ✓          | ✓               |
| PAHs                      |               | ✓          | ✓               |
| Purgeable Aromatics       | ✓             | ✓          | ✓               |
| Purgeable Halocarbons     | ✓             | ✓          | ✓               |
| ETPH                      |               |            |                 |
| Oil & Grease              |               | ✓          |                 |
| TPH                       |               |            |                 |
| TOX                       |               |            | ✓               |
| Gross Hydrocarbons        |               |            | ✓               |

Organic Disinfection By-Products

|  | POTABLE WATER | WASTEWATER | SOLID WASTE/SOI |
|--|---------------|------------|-----------------|
|  |               |            |                 |

APPROVED ANALYTES LIST

[TESTS APPROVED INDICATED BY "✓"]

-Drinking Water:  
SYNTHETIC ORGANIC CHEMICALS

PHASE II

|                               |       |
|-------------------------------|-------|
| Alachlor                      | _____ |
| Aldicarb                      | _____ |
| Aldicarb Sulfoxide            | _____ |
| Aldicarb Sulfone              | _____ |
| Atrazine                      | _____ |
| Carbofuran                    | _____ |
| Chloridane                    | _____ |
| Dibromochloropropane<br>2,4-D | _____ |
| Ethylene Dibromide            | _____ |
| Hepaflor                      | _____ |
| Hepaflor epoxide              | _____ |
| Lindane                       | _____ |
| Methoxychlor                  | _____ |
| PCBs                          | _____ |
| PCB (as DCB)                  | _____ |
| Pentachlorophenol             | _____ |
| Toxaphene                     | _____ |
| 2,4,5-TP (Silvex)             | _____ |

PHASE V

|                           |       |                           |       |
|---------------------------|-------|---------------------------|-------|
| Dalapon                   | _____ | <u>VOCS</u>               | _____ |
| Di-(ethylhexyl) phthalate | _____ | <u>THMs</u>               | ✓     |
| Di-(ethylhexyl) adipate   | _____ |                           | _____ |
| Dinoseb                   | _____ | <u>Unregulated</u>        | _____ |
| Diquat                    | _____ | <u>Carbamates</u>         | _____ |
| Endosulf                  | _____ | <u>Herbicides</u>         | _____ |
| Endrin                    | _____ | <u>Chlorinated Pests,</u> | _____ |
| Glyphosate                | _____ | <u>N&amp;P Pesticides</u> | _____ |
| Hexachlorobenzene         | _____ |                           | _____ |
| Hexachlorocyclopentadiene | _____ |                           | _____ |
| Oxamyl (Vydate)           | _____ |                           | _____ |
| Benzo (a) pyrene          | _____ |                           | _____ |
| Picloram                  | _____ |                           | _____ |
| Simazine                  | _____ |                           | _____ |
| 2,3,7,8-TCDD (Dioxin)     | _____ |                           | _____ |