



STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

## CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

**Pat-Chem Laboratories**

**Moorpark**

11990 Discovery Court

Moorpark, CA 93021

Scope of the certificate is limited to the  
"Fields of Testing"  
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,  
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1531**

Expiration Date: **5/31/2017**

Effective Date: **6/1/2015**

A handwritten signature in black ink, appearing to read "Christine Sotelo".

Sacramento, California  
subject to forfeiture or revocation

Christine Sotelo, Chief  
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Accredited Fields of Testing**



**Pat-Chem Laboratories**

Moorpark  
11990 Discovery Court  
Moorpark, CA 93021  
Phone: (805) 532-0012

Certificate No. 1531  
Expiration Date 5/31/2017

**Field of Testing: 101 - Microbiology of Drinking Water**

|         |     |                        |                    |
|---------|-----|------------------------|--------------------|
| 101.010 | 001 | Heterotrophic Bacteria | SM9215B            |
| 101.011 | 001 | Heterotrophic Bacteria | SimPlate           |
| 101.020 | 001 | Total Coliform P/A     | SM9221B            |
| 101.020 | 002 | Fecal Coliform P/A     | SM 9221 B,E        |
| 101.020 | 003 | E. coli P/A            | SM 9221 B,F        |
| 101.050 | 001 | Total Coliform P/A     | SM9223B (Colilert) |
| 101.050 | 002 | E. coli P/A            | SM9223B (Colilert) |

**Field of Testing: 102 - Inorganic Chemistry of Drinking Water**

|         |     |                              |              |
|---------|-----|------------------------------|--------------|
| 102.015 | 001 | Hydrogen Ion (pH)            | EPA 150.1    |
| 102.020 | 001 | Turbidity                    | EPA 180.1    |
| 102.030 | 001 | Bromide                      | EPA 300.0    |
| 102.030 | 002 | Chlorate                     | EPA 300.0    |
| 102.030 | 003 | Chloride                     | EPA 300.0    |
| 102.030 | 004 | Chlorite                     | EPA 300.0    |
| 102.030 | 005 | Fluoride                     | EPA 300.0    |
| 102.030 | 006 | Nitrate                      | EPA 300.0    |
| 102.030 | 007 | Nitrite                      | EPA 300.0    |
| 102.030 | 008 | Phosphate, Ortho             | EPA 300.0    |
| 102.030 | 010 | Sulfate                      | EPA 300.0    |
| 102.045 | 001 | Perchlorate                  | EPA 314.0    |
| 102.060 | 001 | Nitrate (as N) (Calculation) | EPA 353.2    |
| 102.061 | 001 | Nitrite                      | EPA 353.2    |
| 102.070 | 001 | Phosphate, Ortho             | EPA 365.1    |
| 102.095 | 001 | Turbidity                    | SM2130B-2001 |
| 102.100 | 001 | Alkalinity                   | SM2320B      |
| 102.120 | 001 | Hardness                     | SM2340B      |
| 102.121 | 001 | Hardness                     | SM2340C      |
| 102.130 | 001 | Conductivity                 | SM2510B      |
| 102.140 | 001 | Total Dissolved Solids       | SM2540C      |
| 102.147 | 001 | Calcium                      | SM3120B-1999 |
| 102.147 | 002 | Magnesium                    | SM3120B-1999 |
| 102.147 | 003 | Potassium                    | SM3120B-1999 |
| 102.147 | 004 | Silica                       | SM3120B-1999 |
| 102.147 | 006 | Hardness (calculation)       | SM3120B-1999 |
| 102.150 | 001 | Chloride                     | SM4110B      |
| 102.150 | 002 | Fluoride                     | SM4110B      |
| 102.150 | 003 | Nitrate                      | SM4110B      |
| 102.150 | 004 | Nitrite                      | SM4110B      |

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|         |     |                                |                  |
|---------|-----|--------------------------------|------------------|
| 102.150 | 005 | Phosphate, Ortho               | SM4110B          |
| 102.150 | 006 | Sulfate                        | SM4110B          |
| 102.175 | 001 | Chlorine, Free                 | SM4500-CI G-2000 |
| 102.175 | 002 | Chlorine, Total Residual       | SM4500-CI G-2000 |
| 102.190 | 001 | Cyanide, Total                 | SM4500-CN E      |
| 102.191 | 001 | Cyanide, Total                 | SM4500-CN F      |
| 102.192 | 001 | Cyanide, amenable              | SM4500-CN G      |
| 102.200 | 001 | Fluoride                       | SM4500-F C       |
| 102.203 | 001 | Hydrogen Ion (pH)              | SM4500-H+ B-2000 |
| 102.234 | 001 | Nitrite                        | SM4500-NO3 F     |
| 102.234 | 002 | Nitrate                        | SM4500-NO3 F     |
| 102.241 | 001 | Phosphate, Ortho               | SM4500-P F       |
| 102.260 | 001 | Total Organic Carbon TOC       | SM5310B          |
| 102.261 | 001 | Dissolved Organic Carbon (DOC) | SM5310B          |
| 102.270 | 001 | Surfactants                    | SM5540C          |
| 102.520 | 001 | Calcium                        | EPA 200.7        |
| 102.520 | 002 | Magnesium                      | EPA 200.7        |
| 102.520 | 003 | Potassium                      | EPA 200.7        |
| 102.520 | 004 | Silica                         | EPA 200.7        |
| 102.520 | 005 | Sodium                         | EPA 200.7        |
| 102.520 | 006 | Hardness (calculation)         | EPA 200.7        |

**Field of Testing: 103 - Toxic Chemical Elements of Drinking Water**

|         |     |           |           |
|---------|-----|-----------|-----------|
| 103.030 | 001 | Mercury   | SM3112B   |
| 103.060 | 001 | Aluminum  | SM3120B   |
| 103.060 | 003 | Barium    | SM3120B   |
| 103.060 | 004 | Beryllium | SM3120B   |
| 103.060 | 007 | Chromium  | SM3120B   |
| 103.060 | 008 | Copper    | SM3120B   |
| 103.060 | 009 | Iron      | SM3120B   |
| 103.060 | 011 | Manganese | SM3120B   |
| 103.060 | 012 | Nickel    | SM3120B   |
| 103.060 | 015 | Silver    | SM3120B   |
| 103.060 | 017 | Zinc      | SM3120B   |
| 103.130 | 001 | Aluminum  | EPA 200.7 |
| 103.130 | 003 | Barium    | EPA 200.7 |
| 103.130 | 004 | Beryllium | EPA 200.7 |
| 103.130 | 005 | Cadmium   | EPA 200.7 |
| 103.130 | 007 | Chromium  | EPA 200.7 |
| 103.130 | 008 | Copper    | EPA 200.7 |
| 103.130 | 009 | Iron      | EPA 200.7 |
| 103.130 | 011 | Manganese | EPA 200.7 |
| 103.130 | 012 | Nickel    | EPA 200.7 |
| 103.130 | 015 | Silver    | EPA 200.7 |
| 103.130 | 017 | Zinc      | EPA 200.7 |
| 103.130 | 018 | Boron     | EPA 200.7 |
| 103.140 | 001 | Aluminum  | EPA 200.8 |
| 103.140 | 002 | Antimony  | EPA 200.8 |

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|         |     |               |           |
|---------|-----|---------------|-----------|
| 103.140 | 003 | Arsenic       | EPA 200.8 |
| 103.140 | 004 | Barium        | EPA 200.8 |
| 103.140 | 005 | Beryllium     | EPA 200.8 |
| 103.140 | 006 | Cadmium       | EPA 200.8 |
| 103.140 | 007 | Chromium      | EPA 200.8 |
| 103.140 | 008 | Copper        | EPA 200.8 |
| 103.140 | 009 | Lead          | EPA 200.8 |
| 103.140 | 010 | Manganese     | EPA 200.8 |
| 103.140 | 012 | Nickel        | EPA 200.8 |
| 103.140 | 013 | Selenium      | EPA 200.8 |
| 103.140 | 014 | Silver        | EPA 200.8 |
| 103.140 | 015 | Thallium      | EPA 200.8 |
| 103.140 | 016 | Zinc          | EPA 200.8 |
| 103.140 | 017 | Boron         | EPA 200.8 |
| 103.140 | 018 | Vanadium      | EPA 200.8 |
| 103.160 | 001 | Mercury       | EPA 245.1 |
| 103.310 | 001 | Chromium (VI) | EPA 218.6 |

**Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water**

|         |     |                             |              |
|---------|-----|-----------------------------|--------------|
| 104.030 | 001 | 1,2-Dibromoethane           | EPA 504.1    |
| 104.030 | 002 | 1,2-Dibromo-3-chloropropane | EPA 504.1    |
| 104.030 | 003 | 1,2,3-Trichloropropane      | EPA 504.1    |
| 104.035 | 001 | 1,2,3-Trichloropropane      | SRL 524M-TCP |
| 104.040 | 000 | Volatile Organic Compounds  | EPA 524.2    |
| 104.040 | 001 | Benzene                     | EPA 524.2    |
| 104.040 | 007 | n-Butylbenzene              | EPA 524.2    |
| 104.040 | 008 | sec-Butylbenzene            | EPA 524.2    |
| 104.040 | 009 | tert-Butylbenzene           | EPA 524.2    |
| 104.040 | 010 | Carbon Tetrachloride        | EPA 524.2    |
| 104.040 | 011 | Chlorobenzene               | EPA 524.2    |
| 104.040 | 015 | 2-Chlorotoluene             | EPA 524.2    |
| 104.040 | 016 | 4-Chlorotoluene             | EPA 524.2    |
| 104.040 | 019 | 1,3-Dichlorobenzene         | EPA 524.2    |
| 104.040 | 020 | 1,2-Dichlorobenzene         | EPA 524.2    |
| 104.040 | 021 | 1,4-Dichlorobenzene         | EPA 524.2    |
| 104.040 | 022 | Dichlorodifluoromethane     | EPA 524.2    |
| 104.040 | 023 | 1,1-Dichloroethane          | EPA 524.2    |
| 104.040 | 024 | 1,2-Dichloroethane          | EPA 524.2    |
| 104.040 | 025 | 1,1-Dichloroethene          | EPA 524.2    |
| 104.040 | 026 | cis-1,2-Dichloroethene      | EPA 524.2    |
| 104.040 | 027 | trans-1,2-Dichloroethene    | EPA 524.2    |
| 104.040 | 028 | Dichloromethane             | EPA 524.2    |
| 104.040 | 029 | 1,2-Dichloropropane         | EPA 524.2    |
| 104.040 | 033 | cis-1,3-Dichloropropene     | EPA 524.2    |
| 104.040 | 034 | trans-1,3-Dichloropropene   | EPA 524.2    |
| 104.040 | 035 | Ethylbenzene                | EPA 524.2    |
| 104.040 | 037 | Isopropylbenzene            | EPA 524.2    |
| 104.040 | 039 | Naphthalene                 | EPA 524.2    |

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|         |     |                                |           |
|---------|-----|--------------------------------|-----------|
| 104.040 | 041 | N-propylbenzene                | EPA 524.2 |
| 104.040 | 042 | Styrene                        | EPA 524.2 |
| 104.040 | 043 | 1,1,1,2-Tetrachloroethane      | EPA 524.2 |
| 104.040 | 044 | 1,1,2,2-Tetrachloroethane      | EPA 524.2 |
| 104.040 | 045 | Tetrachloroethene              | EPA 524.2 |
| 104.040 | 046 | Toluene                        | EPA 524.2 |
| 104.040 | 048 | 1,2,4-Trichlorobenzene         | EPA 524.2 |
| 104.040 | 049 | 1,1,1-Trichloroethane          | EPA 524.2 |
| 104.040 | 050 | 1,1,2-Trichloroethane          | EPA 524.2 |
| 104.040 | 051 | Trichloroethene                | EPA 524.2 |
| 104.040 | 052 | Trichlorofluoromethane         | EPA 524.2 |
| 104.040 | 054 | 1,2,4-Trimethylbenzene         | EPA 524.2 |
| 104.040 | 055 | 1,3,5-Trimethylbenzene         | EPA 524.2 |
| 104.040 | 056 | Vinyl Chloride                 | EPA 524.2 |
| 104.040 | 057 | Xylenes, Total                 | EPA 524.2 |
| 104.045 | 001 | Bromodichloromethane           | EPA 524.2 |
| 104.045 | 002 | Bromoform                      | EPA 524.2 |
| 104.045 | 003 | Chloroform                     | EPA 524.2 |
| 104.045 | 004 | Dibromochloromethane           | EPA 524.2 |
| 104.045 | 005 | Trihalomethanes                | EPA 524.2 |
| 104.050 | 000 | Gasoline Additives             | EPA 524.2 |
| 104.050 | 002 | Methyl tert-butyl Ether (MTBE) | EPA 524.2 |
| 104.050 | 004 | tert-Amyl Methyl Ether (TAME)  | EPA 524.2 |
| 104.050 | 005 | Ethyl tert-butyl Ether (ETBE)  | EPA 524.2 |
| 104.050 | 006 | Trichlorotrifluoroethane       | EPA 524.2 |
| 104.050 | 007 | tert-Butyl Alcohol (TBA)       | EPA 524.2 |
| 104.050 | 008 | Carbon Disulfide               | EPA 524.2 |
| 104.050 | 009 | Methyl Isobutyl Ketone         | EPA 524.2 |

**Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water**

|         |     |                            |         |
|---------|-----|----------------------------|---------|
| 105.020 | 000 | Adipates                   | EPA 506 |
| 105.020 | 001 | Di(2-ethylhexyl) Adipate   | EPA 506 |
| 105.020 | 002 | Di(2-ethylhexyl) Phthalate | EPA 506 |
| 105.020 | 010 | Phthalates                 | EPA 506 |
| 105.030 | 000 | N-, P- Pesticides          | EPA 507 |
| 105.030 | 001 | Alachlor                   | EPA 507 |
| 105.030 | 002 | Atrazine                   | EPA 507 |
| 105.030 | 003 | Butachlor                  | EPA 507 |
| 105.030 | 005 | Metolachlor                | EPA 507 |
| 105.030 | 006 | Metribuzin                 | EPA 507 |
| 105.030 | 007 | Molinate                   | EPA 507 |
| 105.030 | 008 | Prometryn                  | EPA 507 |
| 105.030 | 009 | Simazine                   | EPA 507 |
| 105.035 | 001 | Aldrin                     | EPA 508 |
| 105.035 | 003 | Endosulfan I               | EPA 508 |
| 105.035 | 004 | Endosulfan II              | EPA 508 |
| 105.035 | 005 | Endosulfan Sulfate         | EPA 508 |
| 105.035 | 007 | Endrin Aldehyde            | EPA 508 |

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|         |     |                                   |           |
|---------|-----|-----------------------------------|-----------|
| 105.035 | 013 | Propachlor                        | EPA 508   |
| 105.035 | 018 | Aroclor 1221                      | EPA 508   |
| 105.035 | 019 | Aroclor 1232                      | EPA 508   |
| 105.035 | 020 | Aroclor 1242                      | EPA 508   |
| 105.035 | 021 | Aroclor 1248                      | EPA 508   |
| 105.035 | 022 | Aroclor 1254                      | EPA 508   |
| 105.035 | 023 | Aroclor 1260                      | EPA 508   |
| 105.040 | 000 | Chlorinated Pesticides            | EPA 508   |
| 105.040 | 003 | Chlordane (total)                 | EPA 508   |
| 105.040 | 007 | Endrin                            | EPA 508   |
| 105.040 | 008 | Heptachlor                        | EPA 508   |
| 105.040 | 009 | Heptachlor Epoxide                | EPA 508   |
| 105.040 | 010 | Hexachlorobenzene                 | EPA 508   |
| 105.040 | 012 | Lindane                           | EPA 508   |
| 105.040 | 013 | Methoxychlor                      | EPA 508   |
| 105.040 | 015 | Toxaphene                         | EPA 508   |
| 105.040 | 016 | PCBs as Aroclors (screen)         | EPA 508   |
| 105.070 | 001 | Bentazon                          | EPA 515.1 |
| 105.070 | 002 | 2,4-D                             | EPA 515.1 |
| 105.070 | 003 | Dalapon                           | EPA 515.1 |
| 105.070 | 004 | Dicamba                           | EPA 515.1 |
| 105.070 | 005 | Dinoseb                           | EPA 515.1 |
| 105.070 | 006 | Pentachlorophenol                 | EPA 515.1 |
| 105.070 | 007 | Picloram                          | EPA 515.1 |
| 105.070 | 008 | 2,4,5-TP                          | EPA 515.1 |
| 105.070 | 009 | Chlorinated Acids                 | EPA 515.1 |
| 105.160 | 000 | Polynuclear Aromatic Hydrocarbons | EPA 550   |
| 105.160 | 001 | Benzo(a)pyrene                    | EPA 550   |
| 105.200 | 001 | Bromoacetic Acid                  | EPA 552.2 |
| 105.200 | 003 | Chloroacetic Acid                 | EPA 552.2 |
| 105.200 | 004 | Dalapon                           | EPA 552.2 |
| 105.200 | 005 | Dibromoacetic Acid                | EPA 552.2 |
| 105.200 | 006 | Dichloroacetic Acid               | EPA 552.2 |
| 105.200 | 007 | Trichloroacetic Acid              | EPA 552.2 |
| 105.200 | 008 | Haloacetic Acids (HAA5)           | EPA 552.2 |

**Field of Testing: 107 - Microbiology of Wastewater**

|         |     |                                      |                    |
|---------|-----|--------------------------------------|--------------------|
| 107.010 | 001 | Heterotrophic Bacteria               | SM9215B            |
| 107.020 | 002 | Total Coliform (Enumeration)         | SM9221B,E-2006     |
| 107.030 | 002 | Total Coliform with Chlorine Present | SM9221B,C-2006     |
| 107.040 | 002 | Fecal Coliform (Enumeration)         | SM9221C,E-2006     |
| 107.050 | 002 | Fecal Coliform with Chlorine Present | SM9221C,E-2006     |
| 107.242 | 001 | Enterococci                          | Enterolert         |
| 107.245 | 002 | E. coli (Enumeration)                | SM9223B (Colilert) |
| 107.247 | 001 | E. coli (Enumeration)                | SM9221B,F-2006     |

**Field of Testing: 108 - Inorganic Chemistry of Wastewater**

|         |     |              |           |
|---------|-----|--------------|-----------|
| 108.020 | 001 | Conductivity | EPA 120.1 |
|---------|-----|--------------|-----------|

|         |     |                                 |              |
|---------|-----|---------------------------------|--------------|
| 108.030 | 001 | Hardness                        | EPA 130.1    |
| 108.051 | 001 | Hydrogen Ion (pH)               | EPA 150.1    |
| 108.090 | 001 | Residue, Volatile               | EPA 160.4    |
| 108.110 | 001 | Turbidity                       | EPA 180.1    |
| 108.112 | 001 | Boron                           | EPA 200.7    |
| 108.112 | 002 | Calcium                         | EPA 200.7    |
| 108.112 | 003 | Hardness (calculation)          | EPA 200.7    |
| 108.112 | 004 | Magnesium                       | EPA 200.7    |
| 108.112 | 005 | Potassium                       | EPA 200.7    |
| 108.112 | 006 | Silica                          | EPA 200.7    |
| 108.112 | 007 | Sodium                          | EPA 200.7    |
| 108.113 | 001 | Boron                           | EPA 200.8    |
| 108.113 | 002 | Calcium                         | EPA 200.8    |
| 108.113 | 003 | Magnesium                       | EPA 200.8    |
| 108.113 | 004 | Potassium                       | EPA 200.8    |
| 108.113 | 005 | Silica, Dissolved               | EPA 200.8    |
| 108.113 | 006 | Sodium                          | EPA 200.8    |
| 108.120 | 001 | Bromide                         | EPA 300.0    |
| 108.120 | 002 | Chloride                        | EPA 300.0    |
| 108.120 | 003 | Fluoride                        | EPA 300.0    |
| 108.120 | 008 | Sulfate                         | EPA 300.0    |
| 108.120 | 012 | Nitrate (as N)                  | EPA 300.0    |
| 108.120 | 013 | Nitrate-Nitrite (as N)          | EPA 300.0    |
| 108.120 | 014 | Nitrite (as N)                  | EPA 300.0    |
| 108.120 | 015 | Phosphate, Ortho (as P)         | EPA 300.0    |
| 108.209 | 001 | Ammonia (as N)                  | EPA 350.1    |
| 108.210 | 002 | Kjeldahl Nitrogen, Total (as N) | EPA 351.1    |
| 108.211 | 002 | Kjeldahl Nitrogen, Total (as N) | EPA 351.2    |
| 108.232 | 003 | Nitrate-Nitrite (as N)          | EPA 353.2    |
| 108.232 | 004 | Nitrite (as N)                  | EPA 353.2    |
| 108.260 | 001 | Phosphate, Ortho                | EPA 365.1    |
| 108.261 | 001 | Phosphorus, Total               | EPA 365.1    |
| 108.264 | 001 | Phosphate, Ortho                | EPA 365.3    |
| 108.265 | 001 | Phosphorus, Total               | EPA 365.3    |
| 108.266 | 001 | Phosphorus, Total               | EPA 365.4    |
| 108.323 | 001 | Chemical Oxygen Demand          | EPA 410.4    |
| 108.360 | 001 | Phenols, Total                  | EPA 420.1    |
| 108.381 | 001 | Oil and Grease                  | EPA 1664A    |
| 108.390 | 001 | Turbidity                       | SM2130B-2001 |
| 108.400 | 001 | Acidity                         | SM2310B-1997 |
| 108.410 | 001 | Alkalinity                      | SM2320B-1997 |
| 108.420 | 001 | Hardness (calculation)          | SM2340B-1997 |
| 108.421 | 001 | Hardness                        | SM2340C-1997 |
| 108.430 | 001 | Conductivity                    | SM2510B-1997 |
| 108.438 | 001 | Boron                           | SM3125B-2009 |
| 108.438 | 002 | Calcium                         | SM3125B-2009 |
| 108.438 | 003 | Magnesium                       | SM3125B-2009 |

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|         |     |                             |                    |
|---------|-----|-----------------------------|--------------------|
| 108.438 | 004 | Potassium                   | SM3125B-2009       |
| 108.438 | 006 | Sodium                      | SM3125B-2009       |
| 108.438 | 007 | Hardness (calculation)      | SM3125B-2009       |
| 108.439 | 001 | Residue, Volatile           | SM2540E-1997       |
| 108.440 | 001 | Residue, Total              | SM2540B-1997       |
| 108.441 | 001 | Residue, Filterable TDS     | SM2540C-1997       |
| 108.442 | 001 | Residue, Non-filterable TSS | SM2540D-1997       |
| 108.443 | 001 | Residue, Settleable         | SM2540F-1997       |
| 108.444 | 001 | Temperature                 | SM2550B-2000       |
| 108.447 | 001 | Boron                       | SM3120B-1999       |
| 108.447 | 002 | Calcium                     | SM3120B-1999       |
| 108.447 | 003 | Hardness (calculation)      | SM3120B-1999       |
| 108.447 | 004 | Magnesium                   | SM3120B-1999       |
| 108.447 | 005 | Potassium                   | SM3120B-1999       |
| 108.447 | 006 | Silica                      | SM3120B-1999       |
| 108.447 | 007 | Sodium                      | SM3120B-1999       |
| 108.448 | 001 | Bromide                     | SM4110B-2000       |
| 108.448 | 002 | Chloride                    | SM4110B-2000       |
| 108.448 | 003 | Fluoride                    | SM4110B-2000       |
| 108.448 | 004 | Nitrate (as N)              | SM4110B-2000       |
| 108.448 | 005 | Nitrite (as N)              | SM4110B-2000       |
| 108.448 | 006 | Nitrate-nitrite             | SM4110B-2000       |
| 108.448 | 007 | Phosphate, Ortho            | SM4110B-2000       |
| 108.448 | 008 | Sulfate                     | SM4110B-2000       |
| 108.465 | 001 | Chlorine, Total             | SM4500-Cl G-2000   |
| 108.465 | 002 | Chlorine, Free              | SM4500-Cl G-2000   |
| 108.472 | 001 | Cyanide, Total              | SM4500-CN C,E-1999 |
| 108.473 | 001 | Cyanide, amenable           | SM4500-CN G-1999   |
| 108.474 | 001 | Cyanide, Total              | SM4500-CN F-1999   |
| 108.480 | 001 | Fluoride                    | SM4500-F B,C-1997  |
| 108.490 | 001 | Hydrogen Ion (pH)           | SM4500-H+ B-2000   |
| 108.506 | 002 | Ammonia (as N)              | SM4500-NH3 G-1997  |
| 108.529 | 001 | Nitrate-Nitrite (as N)      | SM4500-NO3- F-2000 |
| 108.529 | 002 | Nitrite (as N)              | SM4500-NO3- F-2000 |
| 108.529 | 003 | Nitrate (as N)              | SM4500-NO3- F-2000 |
| 108.536 | 001 | Oxygen, dissolved           | SM4500-O G-2001    |
| 108.542 | 001 | Phosphate, Ortho            | SM4500-P F         |
| 108.584 | 001 | Sulfide (as S)              | SM4500-S= D-2000   |
| 108.592 | 001 | Biochemical Oxygen Demand   | SM5210B-2001       |
| 108.592 | 002 | Carbonaceous BOD            | SM5210B-2001       |
| 108.595 | 001 | Chemical Oxygen Demand      | SM5220D-1997       |
| 108.603 | 001 | Oil & Grease Total          | SM5520B-2001       |
| 108.605 | 001 | Surfactants                 | SM5540C-2000       |
| 108.626 | 001 | Phenols, Total              | SM5530 D-2005      |

**Field of Testing: 109 - Toxic Chemical Elements of Wastewater**

|         |     |          |           |
|---------|-----|----------|-----------|
| 109.010 | 001 | Aluminum | EPA 200.7 |
| 109.010 | 002 | Antimony | EPA 200.7 |

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|         |     |               |              |
|---------|-----|---------------|--------------|
| 109.010 | 003 | Arsenic       | EPA 200.7    |
| 109.010 | 004 | Barium        | EPA 200.7    |
| 109.010 | 005 | Beryllium     | EPA 200.7    |
| 109.010 | 006 | Boron         | EPA 200.7    |
| 109.010 | 007 | Cadmium       | EPA 200.7    |
| 109.010 | 009 | Chromium      | EPA 200.7    |
| 109.010 | 010 | Cobalt        | EPA 200.7    |
| 109.010 | 011 | Copper        | EPA 200.7    |
| 109.010 | 012 | Iron          | EPA 200.7    |
| 109.010 | 013 | Lead          | EPA 200.7    |
| 109.010 | 015 | Manganese     | EPA 200.7    |
| 109.010 | 016 | Molybdenum    | EPA 200.7    |
| 109.010 | 017 | Nickel        | EPA 200.7    |
| 109.010 | 019 | Selenium      | EPA 200.7    |
| 109.010 | 021 | Silver        | EPA 200.7    |
| 109.010 | 023 | Thallium      | EPA 200.7    |
| 109.010 | 024 | Tin           | EPA 200.7    |
| 109.010 | 026 | Vanadium      | EPA 200.7    |
| 109.010 | 027 | Zinc          | EPA 200.7    |
| 109.020 | 001 | Aluminum      | EPA 200.8    |
| 109.020 | 002 | Antimony      | EPA 200.8    |
| 109.020 | 003 | Arsenic       | EPA 200.8    |
| 109.020 | 004 | Barium        | EPA 200.8    |
| 109.020 | 005 | Beryllium     | EPA 200.8    |
| 109.020 | 006 | Cadmium       | EPA 200.8    |
| 109.020 | 007 | Chromium      | EPA 200.8    |
| 109.020 | 008 | Cobalt        | EPA 200.8    |
| 109.020 | 009 | Copper        | EPA 200.8    |
| 109.020 | 010 | Lead          | EPA 200.8    |
| 109.020 | 011 | Manganese     | EPA 200.8    |
| 109.020 | 012 | Molybdenum    | EPA 200.8    |
| 109.020 | 013 | Nickel        | EPA 200.8    |
| 109.020 | 014 | Selenium      | EPA 200.8    |
| 109.020 | 015 | Silver        | EPA 200.8    |
| 109.020 | 016 | Thallium      | EPA 200.8    |
| 109.020 | 017 | Vanadium      | EPA 200.8    |
| 109.020 | 018 | Zinc          | EPA 200.8    |
| 109.020 | 020 | Gold          | EPA 200.8    |
| 109.020 | 021 | Iron          | EPA 200.8    |
| 109.020 | 022 | Tin           | EPA 200.8    |
| 109.020 | 023 | Titanium      | EPA 200.8    |
| 109.104 | 001 | Chromium (VI) | EPA 218.6    |
| 109.190 | 001 | Mercury       | EPA 245.1    |
| 109.430 | 001 | Aluminum      | SM3120B-1999 |
| 109.430 | 002 | Antimony      | SM3120B-1999 |
| 109.430 | 003 | Arsenic       | SM3120B-1999 |
| 109.430 | 004 | Barium        | SM3120B-1999 |

|             |            |              |
|-------------|------------|--------------|
| 109.430 005 | Beryllium  | SM3120B-1999 |
| 109.430 007 | Cadmium    | SM3120B-1999 |
| 109.430 009 | Chromium   | SM3120B-1999 |
| 109.430 010 | Cobalt     | SM3120B-1999 |
| 109.430 012 | Iron       | SM3120B-1999 |
| 109.430 015 | Manganese  | SM3120B-1999 |
| 109.430 016 | Molybdenum | SM3120B-1999 |
| 109.430 017 | Nickel     | SM3120B-1999 |
| 109.430 019 | Selenium   | SM3120B-1999 |
| 109.430 021 | Silver     | SM3120B-1999 |
| 109.430 023 | Thallium   | SM3120B-1999 |
| 109.430 024 | Vanadium   | SM3120B-1999 |
| 109.430 025 | Zinc       | SM3120B-1999 |

**Field of Testing: 110 - Volatile Organic Chemistry of Wastewater**

|             |                             |         |
|-------------|-----------------------------|---------|
| 110.040 000 | Purgeable Organic Compounds | EPA 624 |
|-------------|-----------------------------|---------|

**Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater**

|             |                                    |         |
|-------------|------------------------------------|---------|
| 111.010 000 | Phenols                            | EPA 604 |
| 111.060 000 | Polynuclear Aromatics              | EPA 610 |
| 111.100 000 | Base/Neutral & Acid Organics       | EPA 625 |
| 111.103 000 | Nitrosamines                       | EPA 625 |
| 111.170 000 | Organochlorine Pesticides and PCBs | EPA 608 |

**Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste**

|             |                                |           |
|-------------|--------------------------------|-----------|
| 114.010 001 | Antimony                       | EPA 6010B |
| 114.010 002 | Arsenic                        | EPA 6010B |
| 114.010 003 | Barium                         | EPA 6010B |
| 114.010 004 | Beryllium                      | EPA 6010B |
| 114.010 005 | Cadmium                        | EPA 6010B |
| 114.010 006 | Chromium                       | EPA 6010B |
| 114.010 007 | Cobalt                         | EPA 6010B |
| 114.010 008 | Copper                         | EPA 6010B |
| 114.010 009 | Lead                           | EPA 6010B |
| 114.010 010 | Molybdenum                     | EPA 6010B |
| 114.010 011 | Nickel                         | EPA 6010B |
| 114.010 012 | Selenium                       | EPA 6010B |
| 114.010 013 | Silver                         | EPA 6010B |
| 114.010 014 | Thallium                       | EPA 6010B |
| 114.010 015 | Vanadium                       | EPA 6010B |
| 114.010 016 | Zinc                           | EPA 6010B |
| 114.103 001 | Chromium (VI)                  | EPA 7196A |
| 114.106 001 | Chromium (VI)                  | EPA 7199  |
| 114.140 001 | Mercury                        | EPA 7470A |
| 114.141 001 | Mercury                        | EPA 7471A |
| 114.240 001 | Corrosivity - pH Determination | EPA 9040B |
| 114.241 001 | Corrosivity - pH Determination | EPA 9045C |
| 114.250 001 | Fluoride                       | EPA 9056  |

**Field of Testing: 115 - Extraction Test of Hazardous Waste**

As of 8/29/2016, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

115.030 001 Waste Extraction Test (WET) CCR Chapter 11, Article 5, Appendix II

**Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste**

|         |     |                            |           |
|---------|-----|----------------------------|-----------|
| 116.020 | 031 | Ethanol and Methanol       | EPA 8015B |
| 116.030 | 001 | Gasoline-range Organics    | EPA 8015B |
| 116.080 | 000 | Volatile Organic Compounds | EPA 8260B |
| 116.080 | 120 | Oxygenates                 | EPA 8260B |

**Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste**

|         |     |   |           |
|---------|-----|---|-----------|
| 117.010 | 001 | Diesel-range Total Petroleum Hydrocarbons | EPA 8015B |
| 117.110 | 000 | Extractable Organics                      | EPA 8270C |
| 117.140 | 000 | Polynuclear Aromatic Hydrocarbons         | EPA 8310  |
| 117.210 | 000 | Pesticides & PCBs                         | EPA 8081A |
| 117.220 | 000 | PCBs                                      | EPA 8082  |
| 117.240 | 000 | Organophosphorus Pesticides               | EPA 8141A |
| 117.250 | 000 | Chlorinated Herbicides                    | EPA 8151A |
| 117.280 | 000 | Carbamates                                | EPA 8321A |

**Field of Testing: 120 - Physical Properties of Hazardous Waste**

|         |     |                                |                    |
|---------|-----|--------------------------------|--------------------|
| 120.010 | 001 | Ignitability                   | EPA 1010           |
| 120.040 | 001 | Reactive Cyanide               | Section 7.3 SW-846 |
| 120.050 | 001 | Reactive Sulfide               | Section 7.3 SW-846 |
| 120.070 | 001 | Corrosivity - pH Determination | EPA 9040B          |
| 120.080 | 001 | Corrosivity - pH Determination | EPA 9045C          |

**Field of Testing: 126 - Microbiology of Recreational Water**

|         |     |                              |                                |
|---------|-----|------------------------------|--------------------------------|
| 126.010 | 001 | Total Coliform (Enumeration) | SM9221B,C                      |
| 126.030 | 001 | Fecal Coliform (Enumeration) | SM9221E-2006                   |
| 126.050 | 001 | Total Coliform (Enumeration) | SM9223B (Colilert/Quanti-Tray) |
| 126.050 | 002 | E. coli (Enumeration)        | SM9223B (Colilert/Quanti-Tray) |
| 126.080 | 001 | Enterococci                  | Enterolert                     |