



STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF ENVIRONMENTAL ACCREDITATION**

Is hereby granted to

**Eurofins Calscience, LLC**

7440 Lincoln Way

Garden Grove, CA 92841-1427

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.: **2944**

Expiration Date: **9/30/2020**

Effective Date: **10/1/2018**

Sacramento, California  
subject to forfeiture or revocation

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

Christine Sotelo, Chief  
Environmental Laboratory Accreditation Program



CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Accredited Fields of Testing



**Eurofins Calscience, LLC**

7440 Lincoln Way  
Garden Grove, CA 92841-1427  
Phone: 7148955494

Certificate No. 2944  
Expiration Date 9/30/2020

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

|         |     |                               |                                |
|---------|-----|-------------------------------|--------------------------------|
| 102.015 | 001 | Hydrogen Ion (pH)             | EPA 150.1                      |
| 102.026 | 001 | Calcium                       | EPA 200.7                      |
| 102.026 | 002 | Magnesium                     | EPA 200.7                      |
| 102.026 | 003 | Potassium                     | EPA 200.7                      |
| 102.026 | 004 | Silica                        | EPA 200.7                      |
| 102.026 | 005 | Sodium                        | EPA 200.7                      |
| 102.026 | 006 | Hardness (Calculation)        | EPA 200.7                      |
| 102.030 | 001 | Bromide                       | EPA 300.0                      |
| 102.030 | 003 | Chloride                      | EPA 300.0                      |
| 102.030 | 005 | Fluoride                      | EPA 300.0                      |
| 102.030 | 006 | Nitrate (as N)                | EPA 300.0                      |
| 102.030 | 007 | Nitrite (as N)                | EPA 300.0                      |
| 102.030 | 008 | Phosphate, Ortho (as P)       | EPA 300.0                      |
| 102.030 | 009 | Sulfate (as SO <sub>4</sub> ) | EPA 300.0                      |
| 102.040 | 003 | Chlorate                      | EPA 300.1                      |
| 102.045 | 001 | Perchlorate                   | EPA 314.0                      |
| 102.047 | 001 | Perchlorate                   | EPA 331.0                      |
| 102.070 | 001 | Phosphate, Ortho (as P)       | EPA 365.1                      |
| 102.100 | 001 | Alkalinity                    | SM 2320 B-1997                 |
| 102.121 | 001 | Hardness                      | SM 2340 C-1997                 |
| 102.130 | 001 | Specific Conductance          | SM 2510 B-1997                 |
| 102.140 | 001 | Residue, Filterable TDS       | SM 2540 C-1997                 |
| 102.148 | 001 | Calcium                       | SM 3500-Ca B-1997              |
| 102.174 | 001 | Chlorine, Free                | SM 4500-Cl F-2000              |
| 102.174 | 002 | Chlorine, Total Residual      | SM 4500-Cl F-2000              |
| 102.175 | 001 | Chlorine, Free                | SM 4500-Cl G-2000              |
| 102.175 | 002 | Chlorine, Total Residual      | SM 4500-Cl G-2000              |
| 102.190 | 001 | Cyanide, Total                | SM 4500-CN E-1999              |
| 102.200 | 001 | Fluoride                      | SM 4500-F C-2011               |
| 102.203 | 001 | Hydrogen Ion (pH)             | SM 4500-H+ B-2000              |
| 102.220 | 001 | Nitrite (as N)                | SM 4500-NO <sub>2</sub> B-2000 |
| 102.240 | 001 | Phosphate, Ortho (as P)       | SM 4500-P E-1999               |
| 102.260 | 001 | Total Organic Carbon TOC      | SM 5310 B-2000                 |

|         |     |                                |                |
|---------|-----|--------------------------------|----------------|
| 102.261 | 001 | Dissolved Organic Carbon (DOC) | SM 5310 B-2000 |
| 102.264 | 001 | Total Organic Carbon TOC       | SM 5310 D-2000 |
| 102.265 | 001 | Dissolved Organic Carbon (DOC) | SM 5310 D-2000 |

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

|         |     |               |           |
|---------|-----|---------------|-----------|
| 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 |
| 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 (EDB, Ethylene Dibromide) | EPA 504.1    |
| 104.030 | 002 | 1,2-Dibromo-3-chloropropane (DBCP)          | EPA 504.1    |
| 104.035 | 001 | 1,2,3-Trichloropropane (TCP)                | SRL 524M-TCP |
| 104.040 | 000 | Volatile Organic Compounds                  | EPA 524.2    |

**Field of Testing:** 108 - Inorganic Constituents in Non-Potable Water

|         |     |                      |           |
|---------|-----|----------------------|-----------|
| 108.020 | 001 | Specific Conductance | EPA 120.1 |
|---------|-----|----------------------|-----------|

|         |     |                                 |                         |
|---------|-----|---------------------------------|-------------------------|
| 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, Dissolved               | EPA 200.7               |
| 108.112 | 007 | Sodium                          | EPA 200.7               |
| 108.113 | 001 | Boron                           | 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 (as SO <sub>4</sub> )   | 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               |
| 108.211 | 002 | Kjeldahl Nitrogen, Total (as N) | EPA 351.2               |
| 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               |
| 108.323 | 001 | Chemical Oxygen Demand          | EPA 410.4               |
| 108.360 | 001 | Phenols, Total                  | EPA 420.1               |
| 108.381 | 001 | Oil & Grease Total              | EPA 1664 A              |
| 108.385 | 001 | Color                           | SM 2120 B-2001          |
| 108.390 | 001 | Turbidity                       | SM 2130 B-2001          |
| 108.410 | 001 | Alkalinity                      | SM 2320 B-1997          |
| 108.421 | 001 | Hardness                        | SM 2340 C-1997          |
| 108.430 | 001 | Specific Conductance            | SM 2510 B-1997          |
| 108.439 | 001 | Residue, Volatile               | SM 2540 E-1997          |
| 108.440 | 001 | Residue, Total                  | SM 2540 B-1997          |
| 108.441 | 001 | Residue, Filterable TDS         | SM 2540 C-1997          |
| 108.442 | 001 | Residue, Non-filterable TSS     | SM 2540 D-1997          |
| 108.443 | 001 | Residue, Settleable             | SM 2540 F-1997          |
| 108.451 | 001 | Chloride                        | SM 4500-Chloride C-1997 |
| 108.464 | 001 | Chlorine, Total Residual        | SM 4500-Cl F-2000       |
| 108.464 | 002 | Chlorine, Free                  | SM 4500-Cl F-2000       |
| 108.472 | 001 | Cyanide, Total                  | SM 4500-CN E-1999       |
| 108.473 | 001 | Cyanide, Amenable               | SM 4500-CN G-1999       |
| 108.480 | 001 | Fluoride                        | SM 4500-F B,C-1997      |

|         |     |                                 |                      |
|---------|-----|---------------------------------|----------------------|
| 108.490 | 001 | Hydrogen Ion (pH)               | SM 4500-H+ B-2000    |
| 108.500 | 002 | Ammonia (as N)                  | SM 4500-NH3 B,C-1997 |
| 108.501 | 002 | Kjeldahl Nitrogen, Total (as N) | SM 4500-NH3 C-1997   |
| 108.504 | 002 | Ammonia (as N)                  | SM 4500-NH3 F-1997   |
| 108.511 | 001 | Kjeldahl Nitrogen, Total (as N) | SM 4500-Norg B- 1997 |
| 108.514 | 001 | Nitrite (as N)                  | SM 4500-NO2 B-2000   |
| 108.528 | 001 | Nitrate-Nitrite (as N)          | SM 4500-NO3- E-2000  |
| 108.536 | 001 | Oxygen, Dissolved               | SM 4500-O G-2001     |
| 108.584 | 001 | Sulfide (as S)                  | SM 4500-S D-2000     |
| 108.592 | 001 | Biochemical Oxygen Demand       | SM 5210 B -2001      |
| 108.592 | 002 | Carbonaceous BOD                | SM 5210 B -2001      |
| 108.595 | 001 | Chemical Oxygen Demand          | SM 5220 D-1997       |
| 108.598 | 001 | Organic Carbon-Total (TOC)      | SM 5310 D-2000       |
| 108.605 | 001 | Surfactants                     | SM 5540 C-2000       |
| 108.626 | 001 | Phenols, Total                  | SM 5530 D-2010       |

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**Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water**


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|         |     |            |           |
|---------|-----|------------|-----------|
| 109.010 | 001 | Aluminum   | EPA 200.7 |
| 109.010 | 002 | Antimony   | EPA 200.7 |
| 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 | 025 | Titanium   | 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 | 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 |

**Field of Testing: 110 - Volatile Organic Constituents in Non-Potable Water**

|         |     |                             |         |
|---------|-----|-----------------------------|---------|
| 110.020 | 000 | Purgeable Aromatics         | EPA 602 |
| 110.040 | 000 | Purgeable Organic Compounds | EPA 624 |

**Field of Testing: 111 - Semi-volatile Organic Constituents in Non-Potable Water**

|         |     |                                    |         |
|---------|-----|------------------------------------|---------|
| 111.060 | 000 | Polynuclear Aromatics              | EPA 610 |
| 111.100 | 000 | Base/Neutral & Acid Organics       | 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 6010 B |
| 114.010 | 002 | Arsenic    | EPA 6010 B |
| 114.010 | 003 | Barium     | EPA 6010 B |
| 114.010 | 004 | Beryllium  | EPA 6010 B |
| 114.010 | 005 | Cadmium    | EPA 6010 B |
| 114.010 | 006 | Chromium   | EPA 6010 B |
| 114.010 | 007 | Cobalt     | EPA 6010 B |
| 114.010 | 008 | Copper     | EPA 6010 B |
| 114.010 | 009 | Lead       | EPA 6010 B |
| 114.010 | 010 | Molybdenum | EPA 6010 B |
| 114.010 | 011 | Nickel     | EPA 6010 B |
| 114.010 | 012 | Selenium   | EPA 6010 B |
| 114.010 | 013 | Silver     | EPA 6010 B |
| 114.010 | 014 | Thallium   | EPA 6010 B |
| 114.010 | 015 | Vanadium   | EPA 6010 B |

|         |     |                                |            |
|---------|-----|--------------------------------|------------|
| 114.010 | 016 | Zinc                           | EPA 6010 B |
| 114.020 | 001 | Antimony                       | EPA 6020   |
| 114.020 | 002 | Arsenic                        | EPA 6020   |
| 114.020 | 003 | Barium                         | EPA 6020   |
| 114.020 | 004 | Beryllium                      | EPA 6020   |
| 114.020 | 005 | Cadmium                        | EPA 6020   |
| 114.020 | 006 | Chromium                       | EPA 6020   |
| 114.020 | 007 | Cobalt                         | EPA 6020   |
| 114.020 | 008 | Copper                         | EPA 6020   |
| 114.020 | 009 | Lead                           | EPA 6020   |
| 114.020 | 010 | Molybdenum                     | EPA 6020   |
| 114.020 | 011 | Nickel                         | EPA 6020   |
| 114.020 | 012 | Selenium                       | EPA 6020   |
| 114.020 | 013 | Silver                         | EPA 6020   |
| 114.020 | 014 | Thallium                       | EPA 6020   |
| 114.020 | 015 | Vanadium                       | EPA 6020   |
| 114.020 | 016 | Zinc                           | EPA 6020   |
| 114.103 | 001 | Chromium (VI)                  | EPA 7196 A |
| 114.106 | 001 | Chromium (VI)                  | EPA 7199   |
| 114.130 | 001 | Lead                           | EPA 7420   |
| 114.140 | 001 | Mercury                        | EPA 7470 A |
| 114.141 | 001 | Mercury                        | EPA 7471 A |
| 114.241 | 001 | Corrosivity - pH Determination | EPA 9045 C |
| 114.250 | 001 | Fluoride                       | EPA 9056   |

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

|         |     |                                                   |                                       |
|---------|-----|---------------------------------------------------|---------------------------------------|
| 115.020 | 001 | Toxicity Characteristic Leaching Procedure (TCLP) | EPA 1311 (TCLP)                       |
| 115.021 | 001 | TCLP Inorganics                                   | EPA 1311 (TCLP)                       |
| 115.022 | 001 | TCLP Extractables                                 | EPA 1311 (TCLP)                       |
| 115.023 | 001 | TCLP Volatiles                                    | EPA 1311 (TCLP)                       |
| 115.030 | 001 | Waste Extraction Test (WET)                       | CCR Chapter11, Article 5, Appendix II |
| 115.040 | 001 | Synthetic Precipitation Leaching Procedure (SPLP) | EPA 1312 (SPLP)                       |

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

|         |     |                                               |            |
|---------|-----|-----------------------------------------------|------------|
| 116.030 | 001 | Gasoline-range Organics                       | EPA 8015 B |
| 116.040 | 041 | Methyl tert-butyl Ether (MTBE)                | EPA 8021 B |
| 116.040 | 061 | Aromatic Volatiles                            | EPA 8021 B |
| 116.080 | 000 | Volatile Organic Compounds                    | EPA 8260 B |
| 116.080 | 120 | Oxygenates                                    | EPA 8260 B |
| 116.100 | 001 | Total Petroleum Hydrocarbons - Gasoline (GRO) | LUFT GC/MS |
| 116.100 | 010 | BTEX and MTBE                                 | LUFT GC/MS |
| 116.110 | 001 | Total Petroleum Hydrocarbons - Gasoline (GRO) | LUFT       |

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

|         |     |                                           |            |
|---------|-----|-------------------------------------------|------------|
| 117.010 | 001 | Diesel-range Total Petroleum Hydrocarbons | EPA 8015 B |
|---------|-----|-------------------------------------------|------------|

|         |     |                                           |            |
|---------|-----|-------------------------------------------|------------|
| 117.016 | 001 | Diesel-range Total Petroleum Hydrocarbons | LUFT       |
| 117.110 | 000 | Extractable Organics                      | EPA 8270 C |
| 117.140 | 000 | Polynuclear Aromatic Hydrocarbons         | EPA 8310   |
| 117.170 | 000 | Nitroaromatics and Nitramines             | EPA 8330   |
| 117.210 | 000 | Organochlorine Pesticides                 | EPA 8081 A |
| 117.220 | 000 | PCBs                                      | EPA 8082   |
| 117.240 | 000 | Organophosphorus Pesticides               | EPA 8141 A |
| 117.250 | 000 | Chlorinated Herbicides                    | EPA 8151 A |

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

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|         |     |                                |                    |
|---------|-----|--------------------------------|--------------------|
| 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 |
| 120.080 | 001 | Corrosivity - pH Determination | EPA 9045 C         |