



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

EMSL Analytical Inc.

Cinnaminson, NJ

200 Route 130 North

Cinnaminson, NJ 08077

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.: **1877**

Expiration Date: **6/30/2021**

Effective Date: **7/1/2020**

A handwritten signature in blue 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**



EMSL Analytical Inc.
Cinnaminson, NJ
200 Route 130 North
Cinnaminson, NJ 08077
Phone: 8002203675

Certificate No. 1877
Expiration Date 6/30/2021

Primary Accreditation
Body

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.020	001	Turbidity	EPA 180.1	NJ
102.026	001	Calcium	EPA 200.7	NJ
102.026	002	Magnesium	EPA 200.7	NJ
102.026	003	Potassium	EPA 200.7	NJ
102.026	004	Silica	EPA 200.7	NJ
102.026	005	Sodium	EPA 200.7	NJ
102.026	006	Hardness (Calculation)	EPA 200.7	NJ
102.030	001	Bromide	EPA 300.0	NJ
102.030	003	Chloride	EPA 300.0	NJ
102.030	005	Fluoride	EPA 300.0	NJ
102.030	006	Nitrate (as N)	EPA 300.0	NJ
102.030	007	Nitrite (as N)	EPA 300.0	NJ
102.030	008	Phosphate,Ortho (as P)	EPA 300.0	NJ
102.030	009	Sulfate (as SO4)	EPA 300.0	NJ
102.100	001	Alkalinity	SM 2320 B-1997	NJ
102.130	001	Specific Conductance	SM 2510 B-1997	NJ
102.140	001	Residue, Filterable TDS	SM 2540 C-1997	NJ
102.175	001	Chlorine, Free	SM 4500-Cl G-2000	NJ
102.190	001	Cyanide, Total	SM 4500-CN E-1999	NJ
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000	NJ
102.270	001	Surfactants	SM 5540 C-2000	NY

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

103.130	007	Chromium	EPA 200.7	NJ
103.130	008	Copper	EPA 200.7	NJ
103.130	009	Iron	EPA 200.7	NJ
103.130	011	Manganese	EPA 200.7	NJ
103.130	015	Silver	EPA 200.7	NJ
103.130	017	Zinc	EPA 200.7	NJ
103.140	001	Aluminum	EPA 200.8	NJ
103.140	002	Antimony	EPA 200.8	NJ
103.140	003	Arsenic	EPA 200.8	NJ
103.140	004	Barium	EPA 200.8	NJ
103.140	005	Beryllium	EPA 200.8	NJ

As of 7/29/2020 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

103.140	006	Cadmium	EPA 200.8	NJ
103.140	007	Chromium	EPA 200.8	NJ
103.140	008	Copper	EPA 200.8	NJ
103.140	009	Lead	EPA 200.8	NJ
103.140	010	Manganese	EPA 200.8	NJ
103.140	012	Nickel	EPA 200.8	NJ
103.140	013	Selenium	EPA 200.8	NJ
103.140	014	Silver	EPA 200.8	NJ
103.140	015	Thallium	EPA 200.8	NJ
103.140	016	Zinc	EPA 200.8	NJ
103.160	001	Mercury	EPA 245.1	NJ
103.301	001	Asbestos	EPA 100.2	NJ

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

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1	NJ
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	NJ
104.040	001	Benzene	EPA 524.2	NJ
104.040	007	n-Butylbenzene	EPA 524.2	NY
104.040	008	sec-Butylbenzene	EPA 524.2	NJ
104.040	009	tert-Butylbenzene	EPA 524.2	NJ
104.040	010	Carbon Tetrachloride	EPA 524.2	NJ
104.040	011	Chlorobenzene	EPA 524.2	NJ
104.040	015	2-Chlorotoluene	EPA 524.2	NJ
104.040	016	4-Chlorotoluene	EPA 524.2	NJ
104.040	019	1,3-Dichlorobenzene	EPA 524.2	NJ
104.040	020	1,2-Dichlorobenzene	EPA 524.2	NJ
104.040	021	1,4-Dichlorobenzene	EPA 524.2	NJ
104.040	022	Dichlorodifluoromethane	EPA 524.2	NJ
104.040	023	1,1-Dichloroethane	EPA 524.2	NJ
104.040	024	1,2-Dichloroethane	EPA 524.2	NJ
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2	NJ
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2	NJ
104.040	027	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2	NJ
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2	NJ
104.040	029	1,2-Dichloropropane	EPA 524.2	NJ
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2	NJ
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.2	NJ
104.040	035	Ethylbenzene	EPA 524.2	NJ
104.040	037	Isopropylbenzene	EPA 524.2	NJ
104.040	039	Naphthalene	EPA 524.2	NJ
104.040	041	N-propylbenzene	EPA 524.2	NJ
104.040	042	Styrene	EPA 524.2	NJ
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2	NJ

104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2	NJ
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2	NJ
104.040	046	Toluene	EPA 524.2	NJ
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2	NJ
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2	NJ
104.040	049	1,1,1-Trichloroethane	EPA 524.2	NJ
104.040	050	1,1,2-Trichloroethane	EPA 524.2	NJ
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2	NJ
104.040	052	Trichlorofluoromethane	EPA 524.2	NJ
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2	NJ
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2	NJ
104.040	056	Vinyl Chloride	EPA 524.2	NJ
104.040	057	Xylenes, Total	EPA 524.2	NJ
104.040	061	Carbon Disulfide	EPA 524.2	NJ
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2	NJ
104.045	001	Bromodichloromethane	EPA 524.2	NJ
104.045	002	Bromoform	EPA 524.2	NJ
104.045	003	Chloroform	EPA 524.2	NJ
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2	NJ
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2	NJ
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2	NJ

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

105.106	001	11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid	EPA 537.1	NJ
105.106	002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	EPA 537.1	NJ
105.106	003	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1	NJ
105.106	004	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 537.1	NJ
105.106	005	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEt)	EPA 537.1	NJ
105.106	006	N-Methylperfluorooctane Sulfonamido Acetic Acid (N)	EPA 537.1	NJ
105.106	007	Perfluorobutane Sulfonic Acid (PFBS)	EPA 537.1	NJ
105.106	008	Perfluorodecanoic Acid (PFDA)	EPA 537.1	NJ
105.106	009	Perfluorododecanoic Acid (PFDoA)	EPA 537.1	NJ
105.106	010	Perfluoroheptanoic Acid (PFHpA)	EPA 537.1	NJ
105.106	011	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 537.1	NJ
105.106	012	Perfluorohexanoic Acid (PFHxA)	EPA 537.1	NJ
105.106	013	Perfluorononanoic Acid (PFNA)	EPA 537.1	NJ
105.106	014	Perfluorooctanoic Acid (PFOA)	EPA 537.1	NJ
105.106	015	Perfluorooctane Sulfonic Acid (PFOS)	EPA 537.1	NJ
105.106	016	Perfluorotetradecanoic Acid (PFTA)	EPA 537.1	NJ
105.106	017	Perfluorotridecanoic Acid (PFTTrDA)	EPA 537.1	NJ
105.106	018	Perfluoroundecanoic Acid (PFUnDA)	EPA 537.1	NJ

Field of Testing: 106 - Radionuclides in Drinking Water

106.010	001	Gross Alpha	EPA 900.0	NJ
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106.010	002	Gross Beta	EPA 900.0	NJ
106.050	002	Radium-226	EPA 903.0	NJ
106.060	001	Radium-228	EPA 904.0	NY
106.092	001	Uranium	EPA 200.8	NJ
106.610	001	Radon-222	SM 7500-Rn	NJ

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

109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)	NJ
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)	NJ
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)	NJ

109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	021	Titanium	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)	NJ
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)	NJ
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)	NJ
109.659	007	Gold	SM 3111 B-2011	NJ
109.659	014	Palladium	SM 3111 B-2011	NJ

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010 B	CA
114.010	002	Arsenic	EPA 6010 B	CA
114.010	003	Barium	EPA 6010 B	CA
114.010	004	Beryllium	EPA 6010 B	CA
114.010	005	Cadmium	EPA 6010 B	CA
114.010	006	Chromium	EPA 6010 B	CA
114.010	007	Cobalt	EPA 6010 B	CA
114.010	008	Copper	EPA 6010 B	CA
114.010	009	Lead	EPA 6010 B	CA
114.010	010	Molybdenum	EPA 6010 B	CA
114.010	011	Nickel	EPA 6010 B	CA
114.010	012	Selenium	EPA 6010 B	CA
114.010	013	Silver	EPA 6010 B	CA
114.010	014	Thallium	EPA 6010 B	CA
114.010	015	Vanadium	EPA 6010 B	CA
114.010	016	Zinc	EPA 6010 B	CA
114.020	001	Antimony	EPA 6020	CA
114.020	002	Arsenic	EPA 6020	CA
114.020	003	Barium	EPA 6020	CA
114.020	004	Beryllium	EPA 6020	CA
114.020	005	Cadmium	EPA 6020	CA
114.020	006	Chromium	EPA 6020	CA
114.020	007	Cobalt	EPA 6020	CA
114.020	008	Copper	EPA 6020	CA
114.020	009	Lead	EPA 6020	CA
114.020	010	Molybdenum	EPA 6020	CA
114.020	011	Nickel	EPA 6020	CA
114.020	012	Selenium	EPA 6020	CA
114.020	013	Silver	EPA 6020	CA
114.020	014	Thallium	EPA 6020	CA
114.020	015	Vanadium	EPA 6020	CA
114.020	016	Zinc	EPA 6020	CA

114.103	001	Chromium (VI)	EPA 7196 A		NJ
114.130	001	Lead	EPA 7420		CA
114.140	001	Mercury	EPA 7470 A	Aqueous Only	NJ
114.141	001	Mercury	EPA 7471 A		CA
114.222	001	Cyanide, Total	EPA 9014	Aqueous Only	NJ
114.230	001	Sulfides, Total	EPA 9034		NJ

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311		NJ
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II		CA

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

116.010	000	EDB and DBCP	EPA 8011	Aqueous Only	NJ
116.020	030	Nonhalogenated Volatiles	EPA 8015 B		CA
116.020	031	Ethanol and Methanol	EPA 8015 B		CA
116.030	001	Gasoline-range Organics	EPA 8015 B		CA
116.080	000	Volatile Organic Compounds	EPA 8260 B		CA
116.080	120	Oxygenates	EPA 8260 B		CA

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

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B		CA
117.110	000	Extractable Organics	EPA 8270 C		CA
117.210	000	Organochlorine Pesticides	EPA 8081 A		CA
117.220	000	PCBs	EPA 8082		CA

Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste

121.010	001	Bulk Asbestos	EPA 600/M4-82-020		NVLAP
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