

CSDLAC Quality Assurance Document (July 2003)

Update 1

12/08/2003

1. Corrected/updated ELAP 'Accredited Fields of Testing' form for SJCWQL. (Replaces pages 49-51)
2. Corrected/updated ELAP 'Accredited Fields of Testing' form for WNTPL. (Replaces page 58)

**CALIFORNIA DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing**

SAN JOSE CREEK WATER QUALITY LABORATORY
COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
1965 SOUTH WORKMAN MILL ROAD
WHITTIER, CA 90601

Lab Phone (562) 699-7411

Certificate No: 1052 Renew Date: 11/30/2003

Field of Testing: 01 - Microbiology of Drinking Water and Wastewater			
01.05	01	Heterotrophic Plate Count	SM9215B
01.06	01	Total Coliform	SM9221B
01.07	01	Fecal Coliform	SM9221C,E
01.08	01	Total Coliform	SM9222B
01.09	01	Fecal Coliform	SM9222D
Field of Testing: 08 - Aquatic Toxicity Bioassays			
08.01.01		Fathead Minnow (<i>P. promelas</i>)	Polisini & Miller (CDFG 1988)
08.03.01		Fathead Minnow (<i>P. promelas</i>)	EPA 600/4-85/013, Static
08.03.07		Silverside (<i>Menidia</i> spp.)	EPA 600/4-85/013, Static
08.18.01		Fathead Minnow (<i>P. promelas</i>)	EPA 600/4-90/027F, Static
08.18.07		Silverside (<i>Menidia</i> spp.)	EPA 600/4-90/027F, Static
08.18.21		Topsmelt (<i>A. affinis</i>)	EPA 600/4-90/027F
08.19		Fathead Minnow (<i>P. promelas</i>)	EPA 1000 (EPA/600/4-91/002)
08.20		Daphnid (<i>C. dubia</i>)	EPA 1002 (EPA/600/4-91/002)
08.21		Selenastrum <i>Capricornutum</i>	EPA 1003 (EPA/600/4-91/002)
08.22.07		Silverside (<i>Menidia</i> spp.)	EPA 1006 (EPA/600/4-91/003)
08.22.08		Atlantic mysid (<i>M. bahia</i>)	EPA 1007 (EPA/600/4-91/003)
08.23.10		Giant kelp (<i>M. pyrifera</i>)	EPA 600/R-95/136 CAWRCB 96-1WQ
08.23.12		Purple sea urchin (<i>S. purpuratus</i>)	EPA 600/R-95/136 CAWRCB 96-1WQ
08.23.21		Topsmelt (<i>A. affinis</i>)	EPA 600/R-95/136 CAWRCB 96-1WQ
08.99		Chlorophyll	EPA 445.0
Field of Testing: 09 - Physical Properties Testing of Hazardous Waste			
09.01	01	Ignitability	EPA 1010
09.02	01	Corrosivity - pH Determination	EPA 9040B
09.02	02	Corrosivity - pH Determination	EPA 9045C
Field of Testing: 10 - Inorganic Chemistry and Toxic Chemical Elements of Hazardous Waste			
10.01	01	Antimony	EPA 7041
10.02	01	Arsenic	EPA 7060A
10.03	03	Barium	EPA 6010B
10.04	02	Beryllium	EPA 7091
10.05	01	Cadmium	EPA 6010B
10.05	02	Cadmium	EPA 7131A
10.06	03	Chromium, Total	EPA 6010B
10.07	03	Cobalt	EPA 6010B
10.08	03	Copper	EPA 6010B
10.09	01	Lead	EPA 7420
10.09	02	Lead	EPA 7421
10.09	03	Lead	EPA 6010B
10.10	01	Mercury	EPA 7470
10.10	02	Mercury	EPA 7471
10.11	01	Molybdenum	EPA 6010B
10.12	01	Nickel	EPA 6010B
10.13	01	Selenium	EPA 7740
10.14	01	Silver	EPA 7760A

As of 10/01/2003, this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

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Figure 1. ELAP-Certified Analytes for SJCWQL

SAN JOSE CREEK WATER QUALITY LABORATORY

Certificate No: 1052
Renew Date: 11/30/2003

10.14	02	Silver	EPA 7761
10.14	03	Silver	EPA 6010B
10.15	02	Thallium	EPA 7841
10.16	01	Vanadium	EPA 6010B
10.17	01	Zinc	EPA 6010B
10.18	01	Chromium (VI)	EPA 7196A
10.19	01	Cyanide	EPA 9014
10.20	01	Fluoride	EPA 9056
10.20	02	Fluoride	EPA 9214
10.99	01	Tin	EPA 6010B
10.99	01	Aluminum	EPA 6010B
Field of Testing: 11 - Extraction Tests of Hazardous Waste			
11.01	01	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
11.03	01	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
Field of Testing: 12 - Organic Chemistry of Hazardous Waste by GC/MS			
12.03A	01	Extractable Organics	EPA 8270C
12.06A	01	Volatile Organic Compounds	EPA 8260B
Field of Testing: 13 - Organic Chemistry of Hazardous Waste (excluding GC/MS)			
13.15B	01	Total Petroleum Hydrocarbons - Gasoline	EPA 8015B
13.16B	01	Total Petroleum Hydrocarbons - Diesel	EPA 8015B
13.17	01	TRPH Screening	EPA 418.1
13.19A	01	Halogenated Volatiles	EPA 8021B
13.19B	01	Aromatic Volatiles	EPA 8021B
13.24C	01	PCBs	EPA 8082
13.25C	01	Organochlorine Pesticides	EPA 8081A
13.28	01	Acrylamide, Acrylonitrile, Acrolein	EPA 8316
13.99		Total Halides	EPA 9020B
13.99		Total Organic Carbon	EPA 9060
Field of Testing: 16 - Wastewater Inorganic Chemistry, Nutrients and Demand			
16.01	01	Acidity	SM2310B (4a)
16.02	01	Alkalinity	SM2320B
16.03	01	Ammonia	SM4500-NH3 B,F,G
16.04	01	Biochemical Oxygen Demand	SM5210B
16.05	01	Boron	SM4500-B B
16.06	01	Bromide	EPA 300.0
16.07	01	Calcium	EPA 200.7
16.08	01	Carbonaceous BOD	SM5210B
16.09	01	Chemical Oxygen Demand	SM5220C
16.10	01	Chloride	SM4500-Cl B
16.10	06	Chloride	EPA 300.0
16.11	01	Chlorine Residual, Total	SM4500-Cl- C
16.12	01	Cyanide	SM4500-CN C,D
16.12	02	Cyanide	SM4500-CN C,E
16.13	01	Cyanide, amenable	SM4500-CN C,G
16.14	01	Fluoride	SM4500-F B,C
16.14	07	Fluoride	EPA 300.0
16.15	01	Hardness - Total as CaCO3	SM2340C
16.15	05	Hardness - Total as CaCO3	EPA 200.7
16.17	01	Magnesium	EPA 200.7
16.18	01	Nitrate	SM4500-NO3 E
16.18	08	Nitrate	EPA 300.0
16.19	01	Nitrite	SM4500-NO2
16.19	03	Nitrite	EPA 300.0

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Figure 1. ELAP-Certified Analytes for SJCWQL (Cont'd)

SAN JOSE CREEK WATER QUALITY LABORATORY

Certificate No: 1052
Renew Date: 11/30/2003

16.20	01	Oil and Grease	EPA 1664
16.21	01	Total Organic Carbon	SM5310B, C, D
16.22	01	Oxygen, dissolved	SM4500-O C
16.22	03	Oxygen, dissolved	SM4500-O G
16.23	01	pH	SM4500-H+ B
16.24	01	Phenols	EPA 420.1
16.25	01	Phosphate, Ortho	SM4500-P E
16.25	06	Phosphate, Ortho	EPA 300.0
16.26	01	Phosphorus, Total	SM4500-P B5, E
16.27	01	Potassium	EPA 258.1
16.28	01	Residue, Total	SM2540B
16.29	01	Residue, Filterable	SM2540C
16.30	01	Residue, Non-filterable	SM2540D
16.31	01	Residue, Settleable	SM2540F
16.32	01	Residue, Volatile	EPA 160.4
16.33	01	Silica, Dissolved	EPA 200.7
16.34	01	Sodium	EPA 200.7
16.35	01	Conductivity	SM2510B
16.36	04	Sulfate	EPA 375.4
16.36	05	Sulfate	EPA 300.0
16.37	01	Sulfide	SM4500-S= D
16.38	01	Sulfite	SM4500-SO3 B
16.39	01	Surfactants	SM5540C
16.41	01	Turbidity	SM2130B
16.44	01	Total Recoverable Petroleum Hydrocarbons	EPA 418.1
16.45	01	Total Organic Halides	SM5320B

Field of Testing: 17 - Toxic Chemical Elements in Wastewater

17.01	01	Aluminum	EPA 200.7
17.02	04	Antimony	EPA 204.2
17.03	01	Arsenic	EPA 206.2
17.04	01	Barium	EPA 200.7
17.05	04	Beryllium	EPA 210.2
17.05	06	Beryllium	EPA 200.7
17.06	05	Cadmium	EPA 213.2
17.06	07	Cadmium	EPA 200.7
17.07	03	Chromium (VI)	SM3500-Cr D
17.08	08	Chromium, Total	EPA 200.7
17.09	07	Cobalt	EPA 200.7
17.10	07	Copper	EPA 200.7
17.13	07	Iron	EPA 200.7
17.14	03	Lead	EPA 239.1
17.14	05	Lead	EPA 239.2
17.14	07	Lead	EPA 200.7
17.15	06	Manganese	EPA 200.7
17.16	02	Mercury	EPA 245.1
17.17	06	Molybdenum	EPA 200.7
17.18	07	Nickel	EPA 200.7
17.24	02	Selenium	EPA 270.2
17.25	03	Silver	EPA 272.1
17.25	05	Silver	EPA 272.2
17.25	07	Silver	EPA 200.7
17.27	03	Thallium	EPA 279.2
17.28	05	Tin	EPA 200.7
17.30	05	Vanadium	EPA 200.7

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Figure 1. ELAP-Certified Analytes for SJCWQL (Cont'd)

SAN JOSE CREEK WATER QUALITY LABORATORY

Certificate No: 1052
Renew Date: 11/30/2003

17.31	06	Zinc	EPA 200.7
Field of Testing: 18 - Organic Chemistry of Wastewater by GC/MS			
18.01A	01	Halogenated Hydrocarbons	EPA 624
18.01B	01	Aromatic Compounds	EPA 624
18.01C	01	Oxygenates	EPA 624
18.01D	01	Other Volatile Organics	EPA 624
18.02A	01	Pesticides	EPA 625
18.02B	01	PCBs	EPA 625
18.02D	01	Adipates	EPA 625
18.02E	01	Phthalates	EPA 625
Field of Testing: 19 - Organic Chemistry of Wastewater (excluding GC/MS)			
19.01	01	Halogenated Volatiles	EPA 601
19.02	01	Aromatic Volatiles	EPA 602
19.03	01	Acrolein, Acrylonitrile	EPA 603
19.05	01	Benzidine	EPA 605
19.08A	01	Organochlorine Pesticides	EPA 608
19.08B	01	PCBs	EPA 608
19.10	01	Polynuclear Aromatics	EPA 610

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Figure 1. ELAP-Certified Analytes for SJCWQL (Cont'd)

**CALIFORNIA DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing**

WHITTIER NARROWS TREATMENT PLANT LABORATORY
COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
301 NORTH ROSEMEAD BOULEVARD
EL MONTE, CA 91733

Lab Phone (626) 443-2954

Certificate No: 1036 Renew Date: 12/31/2003

Field of Testing: 01 - Microbiology of Drinking Water and Wastewater			
01.06	01	Total Coliform	SM9221B
01.07	01	Fecal Coliform	SM9221C,E
01.08	01	Total Coliform	SM9222B
01.09	01	Fecal Coliform	SM9222D
Field of Testing: 16 - Wastewater Inorganic Chemistry, Nutrients and Demand			
16.03	03	Ammonia	SM4500-NH3 B,E
16.04	01	Biochemical Oxygen Demand	SM5210B
16.08	01	Carbonaceous BOD	SM5210B
16.09	02	Chemical Oxygen Demand	EPA 410.1
16.10	01	Chloride	SM4500-Cl B
16.11	05	Chlorine Residual, Total	SM4500-Cl C
16.12	02	Cyanide	SM4500-CN C,E
16.16	01	Kjeldahl Nitrogen	SM4500-NH3 B,C,E
16.18	02	Nitrate	SM4500-NO3 E
16.19	01	Nitrite	SM4500-NO2
16.22	01	Oxygen,dissolved	SM4500-O C
16.22	03	Oxygen,dissolved	SM4500-O G
16.23	01	pH	SM4500-H+ B
16.29	01	Residue, Filterable	SM2540C
16.30	01	Residue, Non-filterable	SM2540D
16.31	01	Residue, Settleable	SM2540F
16.32	01	Residue, Volatile	EPA 160.4
16.36	04	Sulfate	EPA 375.4
16.39	01	Surfactants	SM5540C
16.41	01	Turbidity	SM2130B

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Figure 6. ELAP-Certified Analytes for Whittier Narrows Treatment Plant Laboratory