



Services of the San Francisco Public Utilities Commission

FY 2024/25

Water Quality Division Laboratory Fee Schedule



**WATER QUALITY DIVISION
FY2024/25 LABORATORY FEE SCHEDULE**

SFPUC WQD Laboratory Facilities & Contacts

Client Services Coordinator:
Austin Lau – (650) 871-3011
alau@sfgwater.org

Millbrae Water Quality Division Laboratory
Millbrae Laboratory Manager:
Megan Tran – (650) 872-5945
1000 El Camino Real
Millbrae, CA 94030
mtran@sfgwater.org
ELAP Certification #: 1449

Southeast Water Quality Division Laboratory
Southeast Laboratory Manager:
Dolson Kwan – (415) 920-4957
750 Phelps St.
San Francisco, CA 94124
dkwan@sfgwater.org
ELAP Certification #: 1721

Laboratory Director
Kenneth Lee – (650) 871-3030
1000 El Camino Real
Millbrae, CA 94030
klee@sfgwater.org

Laboratory Quality Manager/Safety Coordinator:
Lisa Mazuca – (415) 920-4742
lmazuca@sfgwater.org

LIMS Database Administrator:
Alex Liu – (415) 920-4764
aaliu@sfgwater.org

EMERGENCY CALLS/AFTER HOURS CALLS - Contact Millbrae Dispatch: (650) 872-5900

Pricing

The prices listed in this fee schedule are effective as stated. Prices are subject to change without notice. Please contact Client Services to confirm the most recent analysis fees or to obtain a formal quotation. The fee schedule is reviewed annually to ensure we continue to offer the services most valuable to our clients.

Results Reporting Turnaround Time

Turnaround time (TAT) is determined based on sample receipt date and time. For samples received with discrepancies, the TAT will start when all issues have been resolved. Standard turnaround time is 15 business days¹. Expedited rush work and weekend/holiday work MUST be prearranged and will be applied as permissible by the method with additional upcharges. Project specific scopes of work & requirements should be documented with Client Services Coordinator and/or Lab Managers to ensure analytical requirements can be met. 15-day TAT only applies to in-house work that has been pre-scheduled. Samples requiring subcontracting to other laboratories will require additional time beyond 15 business days, unless rush TAT is requested and prearranged.

Rush Schedule Upcharges (In-house Testing)

5-day TAT	Standard TAT Fee + 50%
24-hour TAT	Standard TAT Fee + 100%

Rush Schedule Upcharges (Subcontracted Testing)

5-day TAT	Standard TAT Fee + 50%
48-hour TAT	Standard TAT Fee + 100%
24-hour TAT	Standard TAT Fee + 200%

Hourly Field Services Charge for sample collection activities and courier service may be available through WQD's Field Services Section. Please contact Client Services for a project quote or additional information.

Sample Retention

After the analytical results have been released, the Water Quality Division (WQD) Laboratory will store unused sample portion for as long as the specified EPA sample holding time but no longer than thirty (30) calendar days. The WQD Laboratory strongly recommends that all released data be reviewed by the clients as soon as possible.

Method

Stated methods are reference methods and are issued by a recognized organization such as the USEPA. The laboratory will select methods or different versions of the methods that meet the needs of the customer. Such methods will be based on the methods cited in CA Environmental Laboratory Accreditation Program's (ELAP) Fields of Accreditation (FOA). If no methods are available in CA ELAP's FOA, the latest edition of the method is used unless it does not meet or is not appropriate to the needs of the customer. The laboratory might not hold accreditation of the selected method or accreditation might not be available. Non-accredited methods might not be suitable for compliance purposes.



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Microbiology/Parasitology Testing:		
Analysis	Method	Price
Total and Fecal Coliform by MTF	SM 9221 B/C/E	\$35
TC/ <i>E. coli</i> by MTF	SM 9221 B/C/F	\$35
Total and Fecal Coliform by MF	SM 9222 B/D (ambient water only)	\$35
TC/ <i>E. coli</i> by Presence Absence	SM 9223 B/Colilert18/Colisure	\$25
TC and <i>E. coli</i> by Quanti-tray	SM 9223 B/Colilert18/Colisure	\$30
Heterotrophic Plate Count (HPC)	SM 9215 B	\$25
Bacteria Speciation	OmniLog Microbial ID ⁱⁱ	\$85
<i>Enterococci</i> by Quanti-tray	Enterolert	\$35
<i>Giardia</i> and <i>Cryptosporidium</i> Combined	EPA 1623.1	\$450
TCR Report Charge	N/A	\$35

Drinking Water Process Chemistry:		
Analysis	Method	Price
Alkalinity	SM 2320 B	\$15
Ammonia	SM 4500-NH3 B, F/G ⁱ	\$21
Anions by Ion Chromatography, Part A:		
Bromide, Chloride, Fluoride, Nitrate, Nitrite, Orthophosphate, Sulfate	EPA 300.0A	\$25 per analyte
Anions by Ion Chromatography, Part B:		
Bromate	EPA 300.1B	\$75
Bromide	EPA 300.1B	\$75
Chlorate	EPA 300.1B	\$40
Chlorite	EPA 300.1B	\$40
Chloride	SM 4500-Cl D	\$25
Chlorine Residual (Free/Total)	SM 4500-Cl G	\$20
Color	SM 2120 ⁱⁱ	\$10
Conductivity	SM 2510 B	\$12
Corrosivity as Langelier Index: (pH, Temperature, Conductivity, Calcium Hardness, Alkalinity)	As listed for each individual analyte	\$87
Dissolved Oxygen (DO)	DO Meter ⁱⁱ	\$10
Fluoride by ion selective electrode	SM 4500-F C	\$25
Hardness (Total)	SM 2340 C	\$30
Hardness (Calcium)	SM 3500-Ca B	\$30
Hexavalent Chromium (Cr VI)	EPA 218.7	\$115
Magnesium; calculation from hardness	SM 3500-Mg B ⁱⁱ	\$30
Odor	SM 2150 B ⁱⁱ	\$25
Odor by FPA	SM 2170 ⁱⁱ	\$50
pH	SM 4500-H ⁺ B	\$10
Phytoplankton Count	SM 10200 F ⁱⁱ	\$60
Solids		
Total Dissolved Solids	SM 2540 C	\$20
Total Suspended Solids	SM 2540 D ⁱⁱ	\$20



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Temperature	SM 2550 B ⁱⁱ	\$10
Total Organic Carbon (TOC)	SM 5310 C	\$40
Dissolved Organic Carbon (DOC)	SM 5310 C	\$40
Turbidity	SM 2130 B	\$15
UV 254 by UV absorption	SM 5910 B	\$20
SEEPAGE Test: Alkalinity, MBAS, Chloride, Chlorine Residual, Conductivity, Fluoride, Hardness, Ammonia, Odor, pH, Uric Acid	As listed for each individual analyte (For Screening Purposes Only)	\$237
Consumer Complaint: Alkalinity, Hardness, Chloride, pH, Conductivity, Turbidity, Copper, Iron	As listed for each individual analyte	\$117

Wastewater Process Chemistry:		
Analysis	Method	Price
Alkalinity	SM 2320 B	\$15
Biological Oxygen Demand (BOD ₅)	SM 5210 B	\$36
Carbonaceous Biological Oxygen Demand (CBOD ₅)	SM 5210 B	\$36
Chloride	SM 4500-Cl C	\$12
Chlorine, residual	SM 4500-Cl C	\$20
Chemical Oxygen Demand (COD)	HACH 8000	\$20
Conductivity	SM 2510 B	\$12
Cyanide, Total	SM 4500-CN E	\$36
Fluoride	SM 4500-F C	\$12
Hardness	SM 2340 B	\$30
Ammonia (as N)	SM 4500-NH ₃ C	\$28
Total Kjeldahl Nitrogen (TKN)	SM 4500-NH ₃ C	\$38
Nitrite (as N)	SM 4500-NO ₂ ⁻ B	\$16
Nitrate (as N)	HACH 10206	\$16
Dissolved Oxygen	SM 4500-O C, G	\$10
pH	SM 4500-H ⁺ B	\$10
Phenolics	EPA 420.4 ⁱⁱ	\$43
Phosphorous (Total)	HACH 8190 ⁱⁱ , EPA 200.7	\$35
Solids		
Fixed and Volatile	SM 2540 E	\$21
Total Solids	SM 2540 B	\$20
Total Dissolved	SM 2540 C	\$20
Suspended	SM 2540 D	\$20
Settleable	SM 2540 F	\$20
Sulfate	HACH 8051 ⁱⁱ	\$16
Sulfide	SM 4500-S ²⁻ F	\$16
Temperature	SM 2550 B	\$10
Total Organic Carbon (TOC)	SM 5310 B	\$40
Turbidity	SM 2130 B	\$15



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Volatile acids	Titration ⁱⁱ	\$40
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Inorganics/Trace Metals:		
Analyte	Method	Price
Aluminum, Al	EPA 200.7/200.8	First element requested = \$35 (Digestion Included) Each additional element = \$10
Antimony, Sb	EPA 200.7/200.8/6020/6020B	
Arsenic, As	EPA 200.7/200.8/6020/6020B	
Barium, Ba	EPA 200.7/200.8/6020/6020B	
Beryllium, Be	EPA 200.7/200.8/6020/6020B	
Boron, B	EPA 200.7	
Cadmium, Cd	EPA 200.7/200.8/6020/6020B	
Calcium, Ca	EPA 200.7/200.8	
Chromium, Cr	EPA 200.7/200.8/6020/6020B	
Cobalt, Co	EPA 200.7/200.8/6020/6020B	
Copper, Cu	EPA 200.7/200.8/6020/6020B	
Iron, Fe	EPA 200.7/200.8	
Lead, Pb	EPA 200.7/200.8/6020/6020B	
Lithium, Li	EPA 200.7/200.8	
Magnesium, Mg	EPA 200.7/200.8	
Manganese, Mn	EPA 200.7/200.8	
Mercury, Hg	EPA 6020B	
Molybdenum, Mo	EPA 200.7/200.8/6020/6020B	
Nickel, Ni	EPA 200.7/200.8/6020/6020B	
Potassium, K	EPA 200.7/200.8	
Phosphorous	EPA 200.7	
Selenium, Se	EPA 200.7/200.8/6020/6020B	
Silver, Ag	EPA 200.7/200.8/6020/6020B	
Silica, SiO ₂	EPA 200.7	
Sodium, Na	EPA 200.7/200.8	
Strontium, Sr	EPA 200.7/200.8	
Tin, Sn	EPA 200.7/200.8	
Titanium, Ti	EPA 200.7/200.8	
Thallium, Tl	EPA 200.7/200.8/6020/6020B	
Vanadium, V	EPA 200.7/200.8/6020/6020B	
Zinc, Zn	EPA 200.7/200.8/6020/6020B	
Mercury, Hg (Low Level/Clean Hands)	EPA 1631E (includes digestion)	\$131
Mercury, Hg (CVAA)	EPA 245.1 (includes digestion)	\$50

Inorganic/Metals Group Testing:	
Group	Priceⁱⁱⁱ
Lead and Copper Rule (LCR): Pb and Cu (+ Alkalinity, Conductivity, Hardness, pH; Langelier Index)	\$122
Lead and Copper Rule (LCR): Pb and Cu only	\$45
Lead and Copper Rule (LCR): Pb only	\$35



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LUFT Metals (Cd, Cr, Pb, Ni, Zn)	\$75
RCRA Metals (Ag, As, Ba, Cd, Cr, Hg, Pb, Se)	\$145
Priority Pollutant Metals (Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Se, Sb, Tl, Zn)	\$195
CAM17 (Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Se, Sb, Tl, V, Zn)	\$235
Title22 Metals (Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Se, Tl, V, Zn)	\$225
TAL Metals (Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn)	\$295

Drinking Water Organics (Volatile & Semi-Volatile):		
Analysis	Method	Price
Volatile Organic Compounds by GC/MS	EPA 524.2	\$200
Trihalomethanes (THMs) by GC/MS	EPA 524.2	\$50
Total Haloacetic Acids (HAAs)	EPA 557	\$195
Total Haloacetic Acids + Bromate	EPA 557	\$245
MTBE, TAME, and ETBE by GC/MS	EPA 524.2	\$165
MIB/Geosmin	SM 6040 D Modified ⁱⁱ	\$225
Quarterly HAA6 Report for Disinfection Byproducts Compliance Report Charge	N/A	\$35

Wastewater Organics (Volatile & Semi-Volatile):		
Analysis	Method	Price:
Oil & Grease, hexane extractable	EPA 1664A	\$75
Oil & Grease, petroleum origin	EPA 1664A ⁱⁱ	\$75
Organochlorine pesticides by GC/ECD	EPA 608.3	\$150
Pesticides & PCBs by GC/ECD	EPA 608.3	\$225
PCBs by GC/ECD	EPA 608.3	\$75
Volatile Organic Compounds by GC/MS	EPA 624.1	\$150
Acrolein and Acrylonitrile by GC/MS	EPA 624.1	\$150
Semi-Volatile Organic Compounds by GC/MS	EPA 625.1	\$450

Additional Subcontracted Analyses:		
Analysis	Method	Price^{iv}
Inorganics		
Bromate by UV/Vis	EPA 317	\$90
MBAS (Surfactants)	SM 5540 C	\$42
Volatile & Semi-Volatile Organic Compounds		
Fuel products identification by GC	EPA 8015	\$157
TPH-D/MO (DRO)	EPA 8015	\$105
TPH-G (GRO)	EPA 8260B	\$63
VOCs Full List and TPH-Gas	EPA 8260B	\$183
Semi-Volatile Organic Compounds	EPA 8270	\$241
Semi-Volatile Organic Compounds w/ Tentatively Identified Compounds (TIC)	EPA 8270	\$241



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Polycyclic Aromatic Hydrocarbons	EPA 625 SIM	\$472
MTBE, DIPE, TAME, and ETBE	EPA 524.3/524.4	\$173
1,2,3-Trichloropropane (RL=0.005 µg/L)	EPA 524.2 SIM	\$241
Synthetic Organic Compounds (SOCs)		
Organochlorine Pesticides & PCB's	EPA 505	\$183
Semi-Volatile Organic Compounds	EPA 525.2	\$393
Aldicarb/Carbamates	EPA 531.2	\$183
Diquat & Paraquat	EPA 549.2	\$183
EDB-DBPC	EPA 504.1	\$52
Chlorophenoxy Herbicides	EPA 515.4	\$183
Nitrosamines	EPA 521	\$514
Endothall	EPA 548.1	\$183
Glyphosate	EPA 547	\$183
Haloacetic Acids (HAAs)	EPA 552.2/552.3	\$204
Haloacetonitriles (HANs)	EPA 551.1	\$241
Haloketones (HKs)	EPA 551.1	Included w/HANs
Chloral Hydrate (CH)	EPA 551.1	Included w/HANs
Chloropicrin (CP)	EPA 551.1	Included w/HANs
Pesticides	EPA 8081	\$273
PCBs	EPA 8082	\$273
PCB Congeners (40 Congeners)	EPA 1668C	\$1,181
PCB Congeners (209 Congeners)	EPA 1668C	\$1,443
Dioxins (Full Congener List)	EPA 1613B	\$1,207
Dioxins (2,3,7,8 – TCDD Only)	EPA 1613B	\$483
Polybrominated diphenyl ethers (PBDE)	EPA 1614	\$1,207
Organophosphorus Pesticides	EPA 8141	\$215
Chlorophenoxy Herbicides	EPA 8151	\$241
Tributyl Tin	GC-FPD	\$241
Multi Residue Pesticides (OC, OP, ON, TRI)	LC-MS-MS	\$1,207
Pharmaceutical & Personal Care Products	EPA 1694	\$2,126
CAM 17 Metals plus Gold STLC	EPA 200.7/200.8/6010/6020/6020B	\$299
CAM 17 Metals plus Gold TTLC	EPA 200.7/200.8/6010/6020/6020B	\$257
CAM 17 Metals STLC	EPA 200.7/200.8/6010/6020/6020B	\$288
CAM 17 Metals Soils	EPA 200.7/200.8/6010/6020/6020B	\$246
Methyl Mercury	EPA 1630	\$211
Low Level Hexavalent Chromium (Cr ⁶⁺)	EPA 218.6	\$120
Asbestos by TEM - >10 microns	EPA 100.1/100.2	\$393
Radiologicals		
Gross Alpha	EPA 900	\$63
Gross Beta	EPA 900	\$63
Gross Alpha by Co-Precipitation	SM 7110 C	\$102
Radium 226	Ra-226 Ga	\$96



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Radium 228	Ra-228 Ga	\$96
Radon 222	SM 7500-Rn or EPA 600/2-87	\$78
Strontium 90	EPA 905	\$115
Tritium	EPA 906	\$84
Uranium	EPA 908.1	\$36
UCMR5		
Per- and Polyfluorinated Alkyl Substances (PFAS) ^v	EPA 537.1 and EPA 533	537.1: \$452
		533: \$535
Lithium	EPA 200.7	\$36

ⁱ Please note that the standard turnaround time (TAT) for samples analyzed by SFPUC is 15 business days. TAT may exceed 15 business days due to unforeseen issues, and the client will be notified of any potential delays either prior to, upon receipt of sample delivery or as soon as feasible upon discovery of the unforeseen issue. Samples analyzed by external subcontract laboratories do not have standard TAT's, and the TAT for subcontracted samples is generally longer than SFPUC turnaround times. Subcontract rush rates, shipping charges, and other charges will be applied to all invoices, as applicable.

ⁱⁱ This method/test is offered for process control information and might not be suitable for compliance purposes.

ⁱⁱⁱ Metal digestion is included in these prices.

^{iv} Prices for subcontracted analyses are subject to change. Please contact Client Services Coordinator to confirm pricing.

^v A total of 29 unique PFAS can be analyzed using both EPA 533 and EPA 537.1. There are common PFAS and unique PFAS per method.