WECK LABORATORIES, INC.

Success through Science & Innovation

Our Company

About Us

Weck Laboratories, Inc. (Weck) was established in 1964 in the City of Industry, California, as a consulting firm and contract laboratory. Through the years, the company has grown significantly, expanding facilities, personnel, and equipment, becoming a full-service analytical laboratory dedicated predominately to environmental testing. With more than 60 years of industry expertise, Weck strives to provide the best possible value for our clients by delivering high quality data, comprehensive analytical services, and excellent customer service. We work hand in hand with our staff, clients, government agencies, and vendors to solve complex analytical issues using cutting edge instrumentation, leading the industry in methods development for emerging environmental contaminants and investigative chemistry.

Weck Laboratories, Inc. is organized as a privately held California corporation and offers a full range of analytical services to industrial, engineering, utilities, and government clients, operating from its facility in the Los Angeles area. Weck is a certified SBE, MBE and County of Los Angeles LBE. The laboratory employs over 87 chemists, microbiologists, technicians, and support personnel.

Testing services available include analysis of drinking water, wastewater, groundwater surface water, desalination, water re-use, hazardous waste, soil, air, sediment and activated carbon. Sampling services and consultation with chemists and environmental professionals are also provided.

Facilities

Our Laboratory

The laboratory facilities include two buildings with a total usable area of approximately 22,000 square feet. The main laboratory building has been designed specifically to accommodate an analytical laboratory with segregated areas for non-compatible operations and special HVAC design. Security is provided through CCTV and restricted access to critical areas. The VOC lab consists of an area with its own un-shared HVAC system, which is operated under positive pressure. It also has an air lock with double doors and only authorized personnel are allowed inside. This helps to ensure that airborne contaminants from common lab solvents such as methylene chloride do not produce false positive detections during sample analysis. The organic extractions lab is housed in a separate building from the main laboratories, further preventing air contamination of common lab contaminants. This building also houses the radiochemistry and microbiology Sections.

Weck has begun an expansion of the laboratory which will nearly double the space of the existing facilities. This expansion will allow Weck to further expand our capabilities and capacity and bring customers enhanced services.

Take a virtual tour

Instrumentation

Equipment & Instrumentation

Weck laboratories is equipped with state-of-the-art analytical instrumentation, which is well maintained and upgraded with the latest technology to meet the more stringent requirements of lower detection limits and improved accuracy. With recent additions of instruments, the laboratory now employs a complement of eight triple-quadrupole MS/MS systems.

The critical instruments (ICP/MS, ICP, GC/MS, LC/MS/MS, GC/MS/MS) have service contracts with their manufacturers, assuring a very fast response time when problems arise and keeps a good preventive maintenance. The analytical instruments selected to be purchased are always the best in the industry; a very careful selection is made prior to acquiring an instrument and price is never the limiting factor, focusing mainly on instruments that provide the best results. Our instrumentation is being continuously upgraded and capabilities expanded as new techniques are being developed.

Weck Laboratories maintains redundant instrumentation for most methods so that if one instrument is down for maintenance or repair, another instrument is available for running critical samples. Most methods also have multiple analysts trained to perform the method. The instruments are also configured with auto-samplers, which, along with flexible working hours allow us to significantly increase the capacity of the laboratory.

WECK LABORATORIES, INC.

Analytical Support

Expertise and Services

Weck Laboratories routinely performs analyses for environmental compliance; however, some emerging contaminants may not be regulated yet or may not have a published method. In these situations, Weck is able to develop and validate methods in-house. We employ state-of-the-art instrumentation which includes GC/MS/MS and LC/MS/MS instruments to achieve the lowest detection limits possible.

For information on our cutting-edge instrumentation click here.

A few examples of recent emerging contaminant methods are:

- Polyfluorinated Alkyl Substances (PFAS)
- Ultra-low chain PFAS Compounds
- UCMR 5
- Nitrosamines
- Hormones & Pharmaceuticals (PPCP)
- Drugs of Abuse
- Ultra-trace pesticides and metabolites
- Neonicotinoids
- Pyrethroids
- Alkylphenols
- Poly Brominated Diphenyl Ethers (PBDE)
- Quinones
- Azoles

For a full listing please see our Catalog of Services.

WECK LABORATORIES, INC.

Experience

Weck Labs is financially strong and has the necessary capital, facilities, and staff to successfully complete projects with complex analytical requirements and support services. The company keeps current with new methodologies, innovative instrumentation, automation of procedures, and changes in regulations, to provide the best quality of analytical techniques and consulting services available to our clients. Projects are of many different scopes and sizes, from large environmental monitoring investigations to routine compliance testing.

Industries Supported

The types of clients for whom the laboratory provides analytical testing include the following industries:

- Municipalities
- Private Water Utilities
- Environmental Consulting Firms
- Sanitation Districts
- Water Reuse Operations
- United States Environmental Protection Agency
- Aerospace Companies
- Department of Defense
- Ports
- Landfills
- Pharmaceutical and Health Care industries
- Laboratories
- Treatment Systems
- Manufacturing Facilities

Quality Assurance

Program and Performance

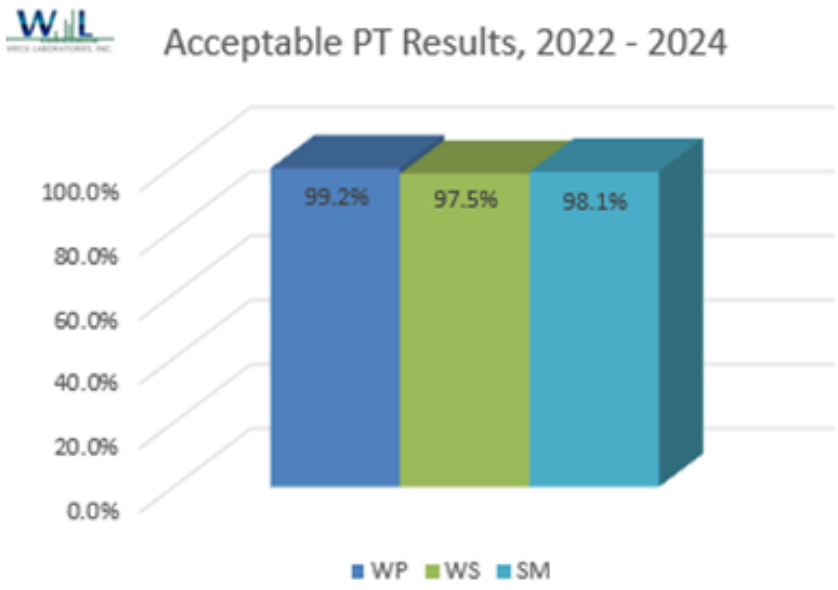
A very significant effort is dedicated to the implementation and maintenance of the Quality Assurance Program. The Quality Assurance Manual, which describes the program is constantly reviewed and updated, covers all aspects of sample collection, analysis, and reporting. Training is provided to all personnel on a routine basis to ensure compliance with the QA Program and with the Laboratory Ethics policy. Our program, which based on NELAC and ISO 17025 guidelines, meets or exceeds all federal and state requirements.

A copy can be provided upon request for evaluation.

The Laboratory is also able to layer on project specific Quality Assurance Project Plan (QAPP) criteria, which can be incorporated through our project set-up and reporting within our Laboratory Information Management System (LIMS). Our ability to integrate and memorialize project requirements allow us to provide final deliverables that meet the client's requirements for all project specifications, from quality assurance through data reporting and invoicing.

Calibration blanks and standards, method blanks, matrix spikes, surrogates and duplicates are run on a routine basis to validate the data generated by our laboratory. In addition, we participate in both federal, state and privately sponsored laboratory Proficiency Testing (PT) programs and Round Robin studies.

Weck Laboratories analyzes an average of over 2100 analytes as single blind samples per year and the results obtained show a high level of accuracy for the different programs. All non-acceptable results are subject to corrective action and problems are resolved to prevent future occurrence. The high PT scores that Weck attains year after year are an indicator of the high quality of data that we provide.



Copies of our performance evaluation are available upon request.

As part of the QA Program, and as required by NELAC, the QA Manager performs on a yearly basis a detailed internal laboratory audit of each department of the laboratory. Upon completion of the audit, the QA Manager generates a report on the findings, which could represent deviations from prescribed procedures, from regulatory programs or just recommendations to improve certain tasks. The analysts and supervisors involved in each of the findings then proceed to perform the necessary corrective action, which is also documented in writing. In addition to the internal audits, the laboratory is subject to external audits from State, Federal and local regulatory agencies. Some commercial clients may also perform audits but may not always submit a written report of findings.

Weck Laboratories is committed to ensuring the integrity of the data, meeting the quality needs of clients, and setting high quality and ethical standards in our industry. Weck is a member of the Environmental Services Division of ACIL, the American Council of Independent Testing Laboratories, a non-profit trade association which promotes industry-wide standards for environmental testing to raise the overall quality of such testing provided to the public and to the government.

Data Management

Process and Delivery

The login process is initiated when the samples are received at the Laboratory. This includes the verification of sample integrity and the chain of custody documentation. Any discrepancy or problem encountered will be communicated as soon as possible to the designated client contact.

Samples are then entered into our Laboratory Information Management System (LIMS) where a unique identification number is assigned to each sample and container. Any specialized Electronic Data Deliverable (EDD) related information shall be included during sample entry and/or project setup as configured by the Project Manager, this includes verification of EDD formats required for the specific project. An acknowledgement will be generated after samples are logged into our LIMS. Once the acknowledgement is reviewed by the project manager and approved, a copy will be sent to the client.

Each department generates work backlogs from our LIMS for the required testing. All analyses are performed at the laboratory by experienced analysts. Testing conforms to NELAP requirements and the appropriate QA/QC practices specified in the laboratories' Quality Assurance Manual and the analytical procedures respective Standard Operating Procedures (SOPs).

Most analytical instruments have computerized data reduction and calculation capabilities along with an interface with the LIMS to allow automated direct data transfer which eliminates potential data transcription errors that can occur when manual transfer methods are performed.

A supervisor or second analyst performs a secondary review of the raw data (chromatograms and reports summary) for proper integration of peaks, identification of compounds, QC, etc. If a discrepancy is noted, the package is returned to the primary analyst for corrective action. Once the QC samples are reviewed and evaluated, results are entered in the LIMS and are verified for completeness and correctness and if no discrepancies are encountered, they are released for reporting.

The Project Manager then generates and compiles the Certificate of Analysis (COA), Electronic Data Deliverables (EDDs), and all other necessary files. Data reported within EDDs and COAs are derived from the same database after final review and approval to ensure that all deliverables contain the same data regardless of the format. If required, additional EDD validation and delivery procedures are processed. The Project Manager then signs the report after a tertiary review for completeness and correctness. The chain of custody document is included as a part of the analytical report.

Weck's Laboratory Information Management System (LIMS) offers wide capabilities for electronic reporting, including EPA CDX/SDWARS, CA CLIP, CIWQS, SWAMP, ADR, EQuIS, Geotracker and client specific formats in MS Excel, ASCII or Dbase. Should special electronic reporting be required for a project, our IT manager will contact the designated person to develop the appropriate format for data deliverables.

OUR TEAM

People Behind our Service

Weck Laboratories has built a team of talented professionals, with expertise in different areas of analytical chemistry, method development, regulatory compliance, and quality assurance. Our key personnel have many years with the company and/or have previously acquired experience while working for other environmental firms. The customer services staff, department supervisors and senior scientists are always available to assist customers with analytical and compliance requirements.

All technical staff have demonstrated capabilities, qualifications, experience, and skills necessary to support their position within the laboratory. Management has overall responsibility for the technical operations and authority needed to generate the required quality in the laboratory operations. Management ensures communication within the organization the importance of meeting customer, statutory and regulatory requirements. Management assures that the system documentation is known and available so the appropriate personnel can implement their part.

Weck Laboratories Management is committed to:

- Produce results which are accurate and include QA/QC information which meets both client and regulatory Data Quality Objectives.
- Present services in a confidential, honest, and forthright manner.
- Provide employees with guidelines and an understanding of the ethical and quality standards of our industry.
- Operate the facilities in a manner that protects the environment and the health and safety of employees and the public.
- Obey all pertinent federal, state, and local laws and regulations and encourage other members of our industry to do the same.
- Educate clients as to the extent and kinds of services available.
- Assert competency only for work for which adequate personnel and equipment are available and for which adequate preparation has been made.
- Promote the status of environmental laboratories, their employees, and the value of services rendered by them.

Certifications

Our company is proud to be accredited by the ANSI National Accreditation Board (ANAB), a testament to our commitment to excellence and adherence to the highest quality standards in our industry. Weck Laboratories is certified under California ELAP and holds accreditation under NELAP, being accredited to TNI standards. Current certifications held are summarized below.

Summary of Certifications

Program	SDWA	CWA	RCRA
Alabama		♦	♦
Alaska		♦	♦
California	❖	❖	❖
Colorado		♦	♦
Delaware			♦
Georgia		♦	♦
Hawaii	❖	♦	♦
Idaho	PFAS	♦	♦
Indiana		♦	♦
Kentucky		♦	♦
Maryland	Pending	♦	♦
Massachusetts			♦
Michigan		♦	♦
Mississippi		♦	♦
Missouri		♦	♦
Montana		♦	♦
Nebraska		♦	♦
Nevada	❖	❖	
New Jersey		PFAS	
New Mexico	Pending	♦	♦
Oklahoma	❖		
Oregon (NELAP)	❖	❖	❖
Rhode Island			♦
South Dakota		♦	♦
Tennessee		♦	♦
Vermont		PFAS	
Wyoming		♦	♦
Guam	❖	♦	♦
DoD ELAP	PFAS	PFAS	PFAS

❖ Certified ♦ No formal certification program. *Copies of Certifications and Accreditations can be found at www.wecklabs.com.*

WECK LABORATORIES, INC.

Commitment to Quality

Weck Laboratories is committed to ensuring the integrity of the data, meeting the quality needs of clients, and setting high quality and ethical standards in our industry. Weck is a member of the Environmental Services Division of ACIL, the American Council of Independent Testing Laboratories, a non-profit trade association which promotes industry-wide standards for environmental testing to raise the overall quality of such testing provided to the public and to the government.

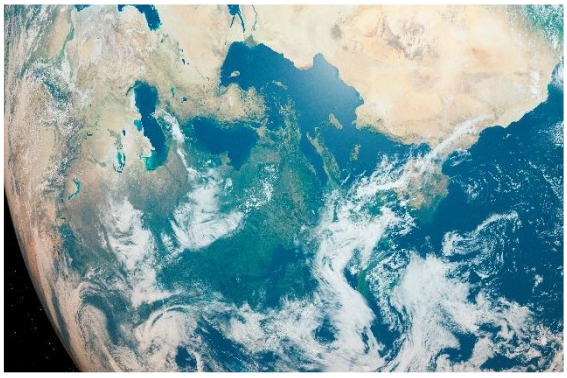
Corporate Responsibility

Weck Laboratories, Inc. is an analytical laboratory performing testing primarily on environmental samples and on food and consumer products. Our analytical chemists and laboratory support personnel are aware that based on the work we perform decisions are made that can have a direct impact on the environment and may affect human health and animal/plant life. We operate our business in a manner that is good for the business bottom line by avoiding unnecessary expenses but also good for the environment. Conserving resources and reducing waste is a routine task in different areas of the laboratory.

The laboratory has been designed specifically for laboratory operations and has all the features necessary to conserve electricity such as solar panels, high efficiency lighting fixtures, timers to shut lights off when not in use and motion sensors to turn them back on, thermostats on HVAC systems and automatic shut off when not in use on computers, copier, and some lab equipment.

The recent installation of solar panels to roof surfaces reduces reliance the external electric power grid. Our current plan is the placement of solar panels to the main lab roof and the addition of multiple carport structures with solar panels. The surface area is 502 panels covering 10,540 square feet with a projected annual power output of 108 megawatt-hours! The completed project will supply about 33% of our current annual power requirements. The project is about half done and is producing a projected 47 megawatt-hours providing 14% of our power needs.

Personnel are encouraged to conduct communications via e-mail onscreen and print only when it is necessary. The computer systems and data storage have been upgraded significantly in the last few years to accommodate a mostly "paperless" operation. All raw data from instruments is saved electronically in PDF files and the data review process is performed by supervisors on computers with upgraded dual screen monitors. All sample documents are saved electronically and accessed by analysts from their workstations. Fax related paper waste is also eliminated by using a fax-modem that allows documents to be sent directly from a computer thus eliminating paper copies.



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Weck Laboratories strongly encourages clients to go "Paperless" which means that they receive communications, reports, invoices, and other documents in an electronic format with several formats available. In this way, the documents are received immediately by the client without waiting for hard copies via US Mail. They are also available for download from our secure website. When hard copies are required, they are printed on 30% to 35% recycled paper. Whenever permitted, proposals and other documents are printed double sided to reduce paper usage. Recycling, where appropriate, is done throughout the laboratory by recycling glass, plastic, cardboard, and paper daily.

All standard operating procedures for analytical methods include a section where proper handling of chemicals is discussed. Waste is reduced by minimizing the amount of chemicals, reagents and standards used in the test procedure. Where possible, the minimum possible quantity is purchased to reduce the volume of waste disposal of un-used and expired chemicals.

Catalog of Services

Parameter	Method	Matrix
ICP Metals (Water)		
Individual Metals - Al, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Pb, Li, Mg, Mn, Mo, Ni, K, Si, SiO3, Ag, Na, Tl, V, Zn	EPA 200.7/6010B	Water
Phosphorus	EPA 200.7/6010B	Water
Strontium	EPA 200.7/6010B	Water
Tin	EPA 200.7/6010B	Water
Titanium	EPA 200.7/6010B	Water
ICP/MS Metals (Water)		
Individual Metals - Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn	EPA 200.8/6020	Water
Phosphorus	EPA 200.8/6020	Water
Strontium	EPA 200.8/6020	Water
Tin	EPA 200.8/6020	Water
Titanium	EPA 200.8/6020	Water
Uranium	EPA 200.8/6020	Water
ICP Metals (Solids)		
Individual Metals - Al, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Pb, Li, Mg, Mn, Mo, Ni, K, Si, SiO3, Ag, Na, Tl, V, Zn	EPA 6010B	Solid
Phosphorus	EPA 6010B	Solid
Strontium	EPA 6010B	Solid
Tin	EPA 6010B	Solid
Titanium	EPA 6010B	Solid
ICP/MS Metals (Solids)		
Individual Metals - Al, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Pb, Li, Mg, Mn, Mo, Ni, K, Ag, Na, Tl, V, Zn	EPA 6020	Solid
Phosphorus	EPA 6020	Solid
Strontium	EPA 6020	Solid
Tin	EPA 6020	Solid
Uranium	EPA 6020	Solid
Specialty Metals (Waters)		
Arsenic speciation (III/V)	EPA 200.8M/LC	Water
Individual Metals: Sb, As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, Se, Ag, Tl, Pb, V, Zn	EPA 1640	Water
1640 - List of 14 Metals	EPA 1640	Water
Mecury		
Mercury	EPA 245.1	Water
Mercury	EPA 7470A	Water
Mercury, Low-level	EPA 1631E	Water
Mercury	EPA 7471A	Solid

Unit rates do not inlcude digestion fee or sample filtration for dissolved metals.

Parameter	Method	Matrix
Digestions and Preparations		
Soluble Threshold Leaching Characteristics (STLC) Waste Extraction Test (WET)	CA CCR (Title 22)	Solid
Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	Solid
Metals Digestion	EPA 200.2	
Sample Filtration for Dissolved Metals		
Group Metals		
Hardness, Calculated from Calcium	EPA 200.7/6010B	Water
California Assesment Manual (CAM) 17 Package (Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn)	EPA 6010B/7470A	Water
California Assesment Manual (CAM) 17 Package (Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn)	EPA 6010B/7471A	Solid
CAM 17 (Inlcudes Hg)	EPA 6020/7471A	Solid
CAM 17 (Inlcudes Hg)	EPA 200.8/245.1	Water
Chromium, Trivalent by Calculation	Calculation	Solid
Chromium, Trivalent by Calculation	Calculation	Water
Priority Pollutant/CTR (As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag,Tl, Zn)	EPA 200.8	Water
TCLP/RCRA List (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)	EPA 6010B	Water/Solid
Microbiology		
Coliform Speciation	WL_Coliform	Water
E.Coli - Enumeration Quantitray	9223B	Water
E.Coli Coliform by Enumeration	9221F	Water
Enterococcus - Enterolert	9230D	Water
Enterococcus & Fecal Streptococcus	9230B	Water
Fecal Coliform by Enumeration	SM 9221E	Water
Fecal Coliform in Wastewater Quantitray	9223B	Water
Heterotrophic Plate Count	SM 9215B	Water
Heterotrophic Plate Count by Sim Plate	SM 9215E	Water
Legionella by Legiolert	WL_Legionella	Water
Total & Fecal Coliforms by Enumeration v	SM 9221B/E	Water
Total Coliform and E. Coli by P/A Colilert	9223B	Water
Total Coliform and E. Coli by P/A Colisure	9223B	Water
Total Coliform and E.Coli by Enumeration Quantitray	9223B	Water

Parameter	Method	Matrix
Drinking Water Organics		
Dioxin 2378TCDD	EPA 1613B	Water
NDMA Low-level	EPA 1625M	Water
Organochlorine Pesticides & PCBs	EPA 508.1	Water
Polychlorinated Biphenyls	EPA 508.1	Water
Chlorinated Acid Herbicides	EPA 515.4	Water
NDMA only	EPA 521	Water
Nitrosamines	EPA 521	Water
1,4-Dioxane	EPA 522	Water
1,2,3-Trichloropropane (TCP) - GCMS-SIM	SRL 524M-TCP	Water
Epichlorohydrin	EPA 524.2	Water
Tertbutyl Alcohol (TBA) - GCMS-SIM	EPA 524.2 SIM	Water
Total Trihalomethanes (TTHM)	EPA 524.2	Water
Volatile Organic Compounds	EPA 524.2	Water
Volatile Organic Compounds - Extended List	EPA 524.2	Water
Fumigants (EDB, DBCP)	EPA 524.3	Water
Tentatively Identified Compounds (Top 10)	EPA 524.2-TICs	Water
Caffeine	EPA 525.2	Water
OP Pesticides 507 List	EPA 525.2	Water
Polynuclear Aromatics (PNA) & Phthalates	EPA 525.2	Water
PNA, Phthalates & 507 Compounds	EPA 525.2	Water
Regulated 3 & 507 Compounds	EPA 525.2	Water
Regulated 3 Compounds	EPA 525.2	Water
Semivolatile Organics - Extended List	EPA 525.2	Water
Thiobencarb	EPA 525.2	Water
Caffeine	EPA 525.2	Water
Cyanazine	EPA 525.2	Water
Pentachlorophenol	EPA 525.2	Water
Prometon	EPA 525.2	Water
Organophosphorus Pesticides - Low-Level	EPA 525.2M QQQ	Water
Tentatively Identified Compounds (Top 10)	EPA 525.2-TICs	Water
Carbamates	EPA 531.2	Water
Glyphosate	EPA 547	Water
Endothall	EPA 548.1	Water
Diquat	EPA 549.2	Water
Diquat & Paraquat	EPA 549.2	Water
Paraquat	EPA 549.2	Water
Chloropicrin	EPA 551.1	Water
Disinfection Byproducts	EPA 551.1	Water
Haloacetic Acids (HAA5)	EPA 552.3	Water
Haloacetic Acids, Full List	EPA 552.3	Water
Aldehydes	EPA 556	Water
Formaldehyde only	EPA 556	Water
Haloacetic Acids by LC/MS/MS	EPA 557	Water
Geosmin/MIB	SM 6040D SM	Water

Parameter	Method	Matrix
UCMR 5		
UCMR5 PFOAs	EPA 537	Water
UCMR5 PFOAs	EPA 533	Water
Lithium for UCMR5	EPA 200.7	Water
Wet Chemistry		
Acidity (CaCO3)	SM 2310B	Water
Aggressive index	AWWA	Water
Alkalinity	SM 2320BM	Solid
Ammonia-N	EPA 350.1	Water
Ammonia-N	EPA 350.1M	Solid
Biochemical Oxygen Demand	SM 5210B	Water
Biochemical Oxygen Demand, Carbonaceous	SM 5210B	Water
Bromate	EPA 557	Water
Bromate	EPA 300.1	Water
Bromide	EPA 300.0	Water
Bromide	EPA 9056	Solid
Bromide	EPA 300.1	Water
Calcium Hardness	_Varies	Water
Carbon dioxide	SM 4500CO2-C/D	Water
Cation Exchange Capacity	EPA 9081	Solid
Chemical Oxygen Demand	EPA 410.4	Water
Chemical Oxygen Demand - Saline Matrix	EPA 410.4	Water
Chloramine	SM 4500Cl-G	Water
Chlorate	EPA 300.1	Water
Chloride	EPA 9056	Solid
Chloride	EPA 300.0	Water
Chlorine dioxide	SM 4500ClO2-D	Water
Chlorite	EPA 300.1	Water
Chromium, Hexavalent	EPA 7199	Water
Chromium, Hexavalent	EPA 218.6	Water
Chromium, Hexavalent	EPA 7199	Solid
Chromium, Hexavalent	EPA 218.7	Water
Color	SM 2120B	Water
Cyanide	ASTM D7511	Water
Cyanide	EPA 335.4	Water
Cyanide, Amenable	SM 4500CN-G	Water
Cyanide, Amenable	SM 4500CN-G/EPA335.4	Water
Cyanide, Available	OIA1677	Water
Cyanide, Free DW	OIA 1677	Water
Cyanide, Total	ASTM D7511	Water
Dissolved Oxygen	SM 4500O-G	Water
Extractable Organic Halides	EPA 9023	Solid
Ferric Iron by Calculation	Calculation	Water
Ferrous Iron	SM 3500Fe-B	Water
Fluoride	EPA 9056	Solid
Fluoride	EPA 300.0	Water
General Mineral (Alk, Ca, Cl, Cu, F, Fe, Mg, Mn, MBAS, NO3, pH, K, Na, EC, SO4, TDS, Zn)	Various	Water

Parameter	Method	Matrix
General Physical (Color, Odor Turbidity)	Various	Water
Inorganic Chemicals, CA Title 22 (Al, Sb, As, Ba, Be, Cd, Cr, Cu, CN, F, Pb, Mn, Hg, Ni, NO2, NO3, Se, Ag, Tl, Zn)	Various	Water
Hydrogen Peroxide by Titration/Colorimetric	US Perox	Water
Ignitability by Flashpoint	EPA 1010	Water
Ignitability by Flashpoint	EPA 1010	Solid
Inorganic Nitrogen (NO2+ NO3 + Ammonium)	Various	Water
Iodide by LC-MS/MS	EPA 331.0M	Water
Langelier index	SM 2330B	Water
Moisture, Percent	EPA 160.3M	Solid
NID as Cobalt Thiocyanate Active Substances	SM 5540D	Water
Nitrate N	EPA 300.0	Water
Nitrate NO3	EPA 300.0	Water
Nitrate-N	EPA 9056	Solid
Nitrate-N	EPA 353.2	Water
Nitrate-N	EPA 353.2M	Solid
Nitrate-NO3	EPA 353.2	Water
Nitrite N	EPA 300.0	Water
Nitrite NO2	EPA 300.0	Water
Nitrite+Nitrate N	EPA 300.0	Water
Nitrite-N	EPA 353.2	Water
Nitrite-N	EPA 353.2M	Solid
Nitrite-NO2	EPA 9056	Solid
Nitrite-NO2	EPA 353.2	Water
Nitrite+Nitrate N	EPA 353.2	Water
Odor	EPA 140.1	Water
Oil and Grease	EPA 1664B	Water
Oil and Grease Non-polar	EPA 1664B	Water
Organic Nitrogen (TKN - Ammonium)	Various	Water
Orthophosphate	EPA 365.3	Water
Orthophosphate	EPA 365.1	Water
Oxidation-Reduction Potential	SM 2580B	Water
Paint Filter Liquids Test	EPA 9095B	Solid
Perchlorate	EPA 314.0	Water
Perchlorate by LC/MS/MS	EPA 6850	Water
Perchlorate by IC/MS/MS	EPA 331.0	Water
Perchlorate by LC/MS/MS	EPA 6850	Solid
Perchlorate	EPA 314.0M	Solid
pH	EPA 9040B	Water
pH	EPA 9045C	Solid
pH	SM 4500H+-B	Water
Phenolics	EPA 420.4	Water
Phenolics	EPA 9065M	Solid
Phosphorus as P	EPA 365.1	Water
Phosphorus as P	EPA 365.3	Water
Phosphorus as P	EPA 365.3M	Solid
Residual Chlorine	SM 4500Cl-G	Water
Residual Chlorine, Free	SM 4500Cl-G	Water

Parameter	Method	Matrix
Residual Dissolved Solids	EPA 160.4	Water
Salinity	SM 2520B	Water
Settleable Solids	SM 2540F	Water
Sodium Absorption Ratio (SAR)	Calculation	Water
Solids, Percent	EPA 160.3M	Solid
Solids, Percent	SM 2540B	Water
Solids, Percent	SM 2540B	Solid
Specific Conductance (EC)	SM 2510B	Water
Specific Gravity	ASTM D1429	Water
Sulfate	EPA 9056	Solid
Sulfide, Total or Dissolved	SM 4500S2-D	Water
Surfactants (MBAS)	SM 5540C	Water
Suspended Sediment Concentration	ASTM D3977-97	Water
Thiosulfate	LACSD 253B	Water
Total Dissolved Solids	SM 2540C	Water
Total Dissolved Solids	SM 2540CM	Solid
Total Fixed Solids	EPA 160.4	Water
Total Fixed Solids	EPA 160.4M	Solid
Total Kjeldahl Nitrogen (TKN)	EPA 351.2	Water
Total Kjeldahl Nitrogen (TKN)	EPA 351.2M	Solid
Total Nitrogen (TKN + Nitrate + Nitrite)	Various	Solid
Total Nitrogen (TKN + Nitrate + Nitrite)	Various	Water
Total Organic Carbon	SM 5310B	Water
Total Organic Carbon	EPA 9060A	Water
Total Inorganic Carbon	SM 5310B	Water
Total Organic Halogens	EPA 9020B	Water
Total Organic Halogens	EPA 9020M	Solid
Total Organic Halogens	SM 5320B	Water
Total Solids	SM 2540B	Water
Total Suspended Solids	SM 2540D	Water
Total Volatile Solids at 550C	EPA 160.4	Water
Total Volatile Solids at 550C	EPA 160.4M	Solid
Turbidity	EPA 180.1	Water
UV254	SM 5910B	Water
Volatile Dissolved Solids	EPA 160.4	Water
Volatile Suspended Solids	EPA 160.4	Water
Radiochemistry		
Uranium (pCi/L)	EPA 200.8	Water
Gross Alpha	EPA 900.0	Water
Gross Beta	EPA 900.0	Water
Gross Alpha for high TDS	SM 7110C	Water
PFOAs		
Polyfluoroalkyl Substances (PFAS)	EPA 533	Water
Polyfluoroalkyl Substances (PFAS) - Short Chain	EPA 533 USC	Water
Polyfluoroalkyl Substances (PFAS)	EPA 1633	Water
Polyfluoroalkyl Substances (PFAS)	EPA 1633	Solid
Polyfluoroalkyl Substances (PFAS)	DOD QSM Table B-15	Water

Parameter	Method	Matrix
Polyfluoroalkyl Substances (PFAS)	DOD QSM Table B-15	Solid
PFAS for UCMR5	EPA 537.1	Water
PFAS for UCMR5	EPA 533	Water
Water Quality Organics		
Oil and Grease	EPA 1664B	Water
Oil and Grease Non-polar	EPA 1664B	Water
VOC-PMI Direct Injection	EPA 1666	Water
VOC-PMI Purge &Trap	EPA 1666	Water
Polychlorinated Biphenyls (PCBs)	EPA 608.3	Water
Organochlorine Pesticides	EPA 608.3	Water
Organochlorine Pesticides - Extended List	EPA 608.3	Water
OP Pesticides & PCBs	EPA 608.3	Water
OC Pesticides & PCBs CTR List	EPA 608.3	Water
OC Pesticides/PCBs Low-Level	EPA 608.3	Water
OP Pesticides - Low-level	EPA 625.1M	Water
Chlorinated Herbicides	EPA 615	Water
Acrolein & Acrylonitrile (3 Day Holding Time)	EPA 624.1	Water
Volatile Organic Compounds (VOCs)	EPA 624.1	Water
VOCs - Extended List	EPA 624.1	Water
Volatile Organic Compounds CTR	EPA 624.1	Water
VOCs + Oxys	EPA 624.1	Water
Semivolatile Organic Compounds (SVOCs)	EPA 625.1	Water
SVOC CTR List	EPA 625.1	Water
SVOC - Extended List	EPA 625.1	Water
SVOC + Pesticides	EPA 625.1	Water
Bis-(2-Ethylhexyl)Phthalate	EPA 625.1	Water
Polynuclear Aromatic Hydrocarbons (PAHs)	EPA 625.1 SIM	Water
PAHs Low level in water by GC/MS/MS	EPA 625.1	Water
Tentatively Identified Compounds (Top 10)	EPA 625.1	Water
Hydrocarbons/Alcohols		
EPA 8015 - Alcohols	EPA 8015B	Solid
EPA 8015 - Diesel & Oil Range Organics (DRO/ORO)	EPA 8015B	Solid
EPA 8015 - Diesel Range Organics (DRO)	EPA 8015B	Solid
EPA 8015 - Diethylene Glycol	EPA 8015B	Solid
EPA 8015 - Ethylene Glycol	EPA 8015B	Solid
EPA 8015 - Ethylene & Propylene Glycol	EPA 8015B	Solid
Gasoline Range Organics (GRO)	EPA 8260B	Solid
Gasoline Range Organics (GRO) + BTEX MTBE	EPA 8260B	Solid
Alcohols (MeOH EtOH IPA)	EPA 8015B	Water
Diesel & Oil Range Organics (DRO/ORO)	EPA 8015B	Water
Diesel Range Organics (DRO)	EPA 8015B	Water
Ethanol	EPA 8015B	Water
Ethylene Glycol	EPA 8015B	Water
Ethylene/Propylene Glycol	EPA 8015B	Water
Gasoline Range Organics (GRO)	EPA 8260B	Water
Gasoline Range Organics (GRO) + BTEX MTBE	EPA 8260B	Water
Isopropanol	EPA 8015B	Water
Propylene Glycol	EPA 8015B	Water

Parameter	Method	Matrix
Volatile Fatty Acids by GCFID	EPA 8015M	Water
SW 846-Organics		
1,4-Dioxane - GCMS (SIM)	EPA 8270M	Water
1,4-Dioxane - SPME/GCMS	EPA 8270M	Water
Bis-(2-Ethylhexyl)Phthalate	EPA 8270C	Water
Benzene, Toluene & Xylene (BTEX)	EPA 8260B	Water
BTEX +Oxygenates	EPA 8260B	Solid
BTEX +Oxygenates	EPA 8260B	Water
Carbamates	EPA 8318	Solid
Carbamates by LC/MS/MS	EPA 8321A	Solid
Chlorinated Herbicides	EPA 8151A	Solid
Chlorinated Herbicides	EPA 8151A	Water
Chlorinated Herbicides - 24D & Silvex only	EPA 8151A	Solid
OC Pesticides and PCBs	EPA 8081A/8082	Solid
OC Pesticides and PCBs	EPA 8081A/8082	Water
OC Pesticides Appendix IX	EPA 8081A	Water
OC Pesticides, Extended List	EPA 8081A	Solid
OC Pesticides	EPA 8081A	Solid
OC Pesticides	EPA 8081A	Water
Organochlorine Pesticides (OCPs) by GC/MS	EPA 8270C	Solid
Organophosphorus (OP) Pesticides	EPA 8141A	Solid
OP Pesticides	EPA 8141A	Water
Oxygenates	EPA 8260B	Water
Oxygenates	EPA 8260B	Solid
Phenolics	EPA 8270C	Water
Phenolics - SIM	EPA 8270C SIM	Solid
Phenolics - SIM	EPA 8270C SIM	Water
Polychlorinated Biphenyls (PCBs)	EPA 8082	Solid
Polychlorinated Biphenyls (PCBs)	EPA 8082	Water
Polynuclear Aromatics Hydrocarbons (PAHs) - SIM	EPA 8270C SIM	Water
Polynuclear Aromatics Hydrocarbons (PAHs) - SIM	EPA 8270C SIM	Solid
PAHs -Trace by GC/MS/MS	EPA 8270C	Solid
Semivolatile Organic Compounds (SVOCs)	EPA 8270C	Solid
Semivolatile Organic Compounds (SVOCs)	EPA 8270C	Water
SVOCs Appendix II	EPA 8270C	Water
SVOCs Appendix IX	EPA 8270C	Water
SVOCs - Appendix IX List	EPA 8270C	Solid
SVOC Tentatively Identified Compounds (Top 10 TICs)	EPA 8270C-TICs	Solid
SVOC Tentatively Identified Compounds (Top 10 TICs)	EPA 8270C-TICs	Water
SVOCs + OC Pesticides	EPA 8270C	Water
Volatile Organic Compounds (VOCs)	EPA 8260B	Solid
Volatile Organic Compounds (VOCs)	EPA 8260B	Water
VOC Tentatively Identified Compounds (Top 10 TICs)	EPA 8260B-TICs	Water
VOCs - Extended List	EPA 8260B	Solid
VOCs + Oxys	EPA 8260B	Solid
VOCs + Oxys	EPA 8260B	Water
VOCs Appendix I	EPA 8260B	Water
VOCs Appendix II	EPA 8260B	Water

Parameter	Method	Matrix
VOCs Appendix IX	EPA 8260B	Water
Leaching Procedures		
TCLP-Zero Headspace Extraction	1311 EPA_s TCLP-ZHE Leach	Solid
STLC Extraction	1985 CCR_s CAWET Leach	Solid
TCLP Extraction	1311 EPA_s TCLP Leach	Solid
Specialty Testing		
Alkyl Phenols (Low-level) GCMS	ASTM D7065	Water
Polybrominated Diphenyl Ethers (PBDEs) GC/MS SIM	EPA 1614M	Water
Nitrosoamines Low-level	EPA 1625M	Water
Nitrosoamines Low-level	EPA 1625M	Solid
N - Nitrosodiphenylamine, Low-level	EPA 1625M	Water
6PPD & IPPD Quinone	EPA 1694M	Water
Quinones - Extended List	EPA 1694M	Water
Diuron/Linuron and Degradates	EPA 532M	Water
Acetamide Herbicide Degradates by LC-MSMS	EPA 538	Water
Carbamate Pesticides by LC/MS/MS	EPA 538	Water
Herbicides by LC/MS/MS	EPA 538	Water
Neonicotinoids by LC/MS/MS	EPA 538	Water
NP/OPCarbamate Pesticides by LC/MS/MS	EPA 538	Water
Total Microsystin (ELISA)	EPA 546	Water
Paraquat	EPA 549.2M	Solid
Aldehydes	EPA 556M	Solid
Diuron	EPA 632	Water
Pyrethroid Pesticides by GC/MS/MS	EPA 8270C	Water
Pyrethroid Pesticides by GC/MS/MS	EPA 8270M	Solid
Formaldehyde	EPA 8315A	Solid
Formaldehyde	EPA 8315A	Water
Formaldehyde & Acetaldehyde	EPA 8315A	Water
Hydrazine LC/MS	EPA 8315M	Water
Acrylamide	EPA 8316	Water
Carbamates	EPA 8318	Water
Carbamate Pesticides by LC/MS/MS	EPA 8321A	Water
Herbicides by LC/MS/MS	EPA 8321A	Water
Pesticides/Herbicides by LC/MS/MS	EPA 8321A	Water
Explosives	EPA 8330A	Solid
Explosives	EPA 8330A	Water
PCB Congeners by GC/MS/MS	WL_PCB Congeners	Water
PCB Congeners by GC/MS/MS	WL_PCB Congeners	Solid
Geosmin/MIB	SM 6040D	Water
Tributyltin by GC/MS	SM 6710	Water
Tributyltin by GC/MS	SM 6710	Solid
Pharmaceuticals and Personal Care Products (PPCPs)		
PPCPs (Full List)	EPA 1694M	Solid
PPCPs (Full List)	EPA 1694M	Solid
PPCPs List A	EPA 1694M	Water
PPCPs List A	EPA 1694M	Solid
PPCPs List B	EPA 1694M	Water
PPCPs List B	EPA 1694M	Solid

Parameter	Method	Matrix
PPCPs List C	EPA 1694M	Water
PPCPs List C	EPA 1694M	Solid
Drugs of Abuse	EPA 1694M	Water
Sucralose	EPA 1694M	Water
Carbon Testing		
Apparent Density	ASTM D2854	Carbon
H2S Breakthrough Capacity	ASTM D6646-03	Carbon
Moisture, Percent	ASTM D2867	Carbon
Air Quality Methods		
Chromium	CARB 425/EPA 6020	Air
Chromium VI	CARB 425	Air
Individual Metals (per metal) - Ag, Al, As, Ba, Be, Cd, Co, Cr, Ni, Pb, Se, Tl, V, Zn	CARB 436/EPA 6020	Air
Individual Metals (per metal) - As, Cd, Cr, Cu, Mn, Pb	EPA 1420/6020	Air
Phosphorus	CARB 436/EPA 6020	Air
Mercury	CARB 101A	Air
Lead	EPA 12/6020	Air
Total VOCs (Headspace)	EPA 24	Air

Target analytes can be viewed at wecklabs.com