

# Bryte Chemical Laboratory

## Statement of Qualifications

2016



### DWR Mission Statement

To manage the water resources of California in cooperation with other agencies, to benefit the State's people, and to protect, restore, and enhance the natural and human environments.

Bryte Chemical Laboratory is the Department of Water Resources' primary analytical laboratory and has been serving government agencies, municipalities, and the public in California for over sixty years. Fully equipped with state of the art instrumentation and staffed with expert scientists specializing in environmental testing, Bryte Chemical Laboratory supports the mission of the Department of Water Resources by producing accurate, verifiable, and accessible analytical results necessary to support data-driven decision making and regulatory compliance.

Laboratory Director  
Sid Fong





Wet Chemistry  
Metals  
Volatile Organics  
Semi-Volatile Organics  
Pesticides & Herbicides  
Microbiology

## Analytical Services

Bryte Laboratory employs a diverse staff of experienced chemists, technicians, and scientific aids dedicated to the analysis of drinking water, groundwater, and surface waters throughout the state in support of environmental and compliance monitoring programs, special investigative projects, and emergency response. Analytical capabilities include trace-level testing of inorganic, organic, metals, and biological contaminants. In addition, Bryte Laboratory constantly evaluates new methodologies and instrumentation in anticipation of the evolving needs of the Department, the public, and the environment.

## Project Management

Bryte Laboratory personnel work closely with project managers, field crews, and end users by participating in the development of project plans, providing technical advice and cost-effective solutions, and assisting in the coordination of each phase throughout the project.

## Data Management

Bryte Laboratory utilizes a custom-built Field and Laboratory Information Management System specifically tuned to streamline production and facilitate login, batching, sample tracking, data review, and reporting. Reporting options include hard copy and Electronic Data Deliverables, and data are also accessible via automatic upload to DWR's Water Data Library.

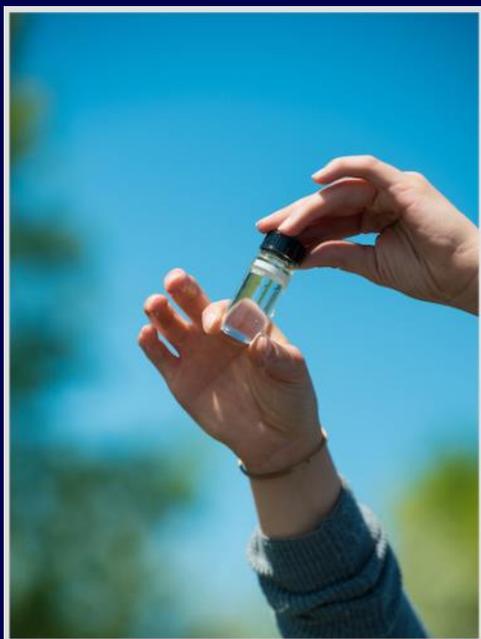


## Facilities

Located in a custom 10,000 square foot facility in West Sacramento, Bryte Laboratory is designed to meet the security and environmental conditions necessary for proper sample preservation, analytical reproducibility, and regulatory compliance.

## Sample Control

All samples must be received in accordance with the laboratory's Sample Acceptance Policy to ensure the integrity of samples submitted for laboratory analysis. Sampling kits with appropriate containers, preservation, and Chain of Custody documents may be provided upon request. Please contact us with questions regarding submittal procedures, sample containers, or shipment.



## Quality Assurance

Bryte Laboratory is accredited by the State Water Resources Control Board's Environmental Laboratory Accreditation Program and maintains a documented QA program. To ensure the highest analytical data quality, laboratory testing is performed in compliance with approved EPA methodologies and required quality control procedures. The laboratory also participates in internal and external auditing programs, blind performance testing, and inter-laboratory round robin studies.

## Health & Safety

Bryte Laboratory is committed to preventing injuries and accidents in the laboratory by promoting a comprehensive safety program through management commitment, active employee participation, and the integration of safety considerations in all laboratory processes.



## Instrumentation

### GC/MS

Agilent 5973 & 5975  
Varian Saturn 2200 & 2100

### Gas Chromatographs

Varian 8100 with dual ECD  
HP 5890 with PID/ELCD

### HPLC

Agilent 1100

### Solid Phase Extractor

Horizon 4970

### TOC Analyzers

OIC 1010/1020/1030D

### ICP/MS

Perkin Elmer ELAN 6000

### ICP

Perkin Elmer Optima 8300

### AA Spectrophotometers

Perkin Elmer 5000  
Varian Spectra 55

### Spectrophotometers

Perkin Elmer Lambda 11  
Bausch & Lomb Spectronic 88  
Hach DR/4000U

### Ion Chromatographs

Dionex ICS2100, ICS2000, & DX4

### Mercury Analyzers

Thermo Separation Products  
3200, Cetac M-8000, &  
Analytika Jena

### Turbidimeter

Hach 2100N

### Conductivity Meter

Thermo Orion 4 Star

### pH Meters

Beckman Sigma 63  
Fisher Scientific Accumet 25

### Microscope

Wild Heerbrugg

Accredited by the State Water Resources Control Board's Environmental Laboratory Accreditation Program (ELAP), Bryte Laboratory supports the Department of Water Resources' mission to protect, restore, and enhance California's natural and human environments by providing accurate, accessible data that are essential for data-driven decision making. Analytical services include routine environmental and regulatory compliance monitoring, special and investigative studies, and emergency response. Staffed by scientists, chemists, and technicians experienced and knowledgeable in the latest analytical techniques and state-of-the-art instrumentation, the laboratory team works closely with all divisions and branches to address the complex requirements of the California Department of Water Resources.

## CONTACT US

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<http://www.water.ca.gov/waterquality/brytelabs.cfm>