



## SCHEDULE OF SERVICES

*For Project-Specific Pricing,  
Call 707-258-4000 or email [RFQ@CaltestLabs.com](mailto:RFQ@CaltestLabs.com)*



NELAP/ORELAP Certification 4036



CA-ELAP Certification 1664

1885 NORTH KELLY RD • NAPA, CA 94558

(707) 258-4000 - [info@caltestlabs.com](mailto:info@caltestlabs.com)

**[www.CaltestLabs.com](http://www.CaltestLabs.com)**

REV 06/25/20

### ***Environmental Laboratory Services***

- **Caltest** is a commercial, full service environmental laboratory, providing analytical testing of wastewater, receiving waters, surface waters, groundwater, drinking water and soils according to EPA approved protocols.
- **Caltest** has been providing quality analytical services since 1982.
- **Caltest** has excelled in the analyses of waters where lower reporting limits are required.
- **Caltest** has trained field staff and couriers serving the San Francisco Bay Area, Northern CA and the Sacramento and Central Valleys.
- **Caltest** has extensive reporting capabilities including project-specific EDDs, PDF reporting and secure, online data access 24 hours a day, seven days a week.
- **Caltest** is US Army Corps of Engineers approved, NELAP accredited and certified by the state of California.
- **Caltest** is a Certified Small Business Enterprise (SBE)

### ***Client and Project Specific Pricing***

**Caltest** will provide special discounts to clients based on total dollar volume or on specific projects which offer us opportunities to be more efficient. Factors influencing project discounts include; quantities of samples, frequency, turnaround time, pre-scheduled delivery to the laboratory and duration of project. The more we know about your project the better we can meet your analytical needs at a competitive price.

### ***Turnaround Time and Rush Reporting***

**Caltest's** standard turnaround time is **ten** business days. Some complex orders or difficult matrices can take longer. **Rush** analyses (accelerated turnaround) will be provided as available. Samples must be received at the lab by 10 am for that day to be considered a "business day" for calculating rush turnaround times. **Rush** surcharges are assessed as follows:

<b><i>Turnaround Time</i></b>	<b><i>Multiply Regular Price</i></b>
One working day	3.0
Two working days	2.5
Three working days	2.0
Four working days	1.75
Five working days	1.5
Six working days	1.35
Seven working days	1.25

### ***Terms and Conditions:***

Refer to reverse side of Caltest Chain of Custody form.

## ***Table of Contents***

WASTEWATER, RECEIVING WATERS, AMBIENT WATER AND STORM WATER	2
DRINKING WATER	5
HAZARDOUS WASTE	7
FUELS RELATED ANALYSES	8
INDIVIDUAL ANALYSES	8
CONTAINER REFERENCE TABLE	11
CHAIN OF CUSTODY	13
TERMS & CONDITIONS	14

## ***Additional Services***

### **Sample Compositing**

Aqueous – by equal volume  
Aqueous - by flow (proportional)  
Sludge - by equal mass

### **Waste handling/disposal**

### **Sample archival/holding**

### **Sample pickup**

### **Container delivery**

### **Custom reports**

### **State EDT reporting/State EDF (LUFT) reporting**

**EDD reporting-** [click here](#) for a list of available EDD formats.

# Wastewater, Receiving Waters, Ambient Water and Storm Water

Compliance monitoring for Clean Water Act, NPDES permit, Pretreatment Programs and Ambient Water Monitoring, and Storm Water Permits.

Parameter	Method
<b>INORGANIC ANALYSES</b>	
ALKALINITY, Total, Bicarbonate, Carbonate and Hydroxide	SM 2320B
AMMONIA AS N ( <i>Low level available to 0.02 mg/L</i> )	SM 4500-NH <sub>3</sub> C
AMMONIA, Unionized ( <i>Includes chloride &amp; pH: client supplies temperature</i> )	SM 4500-NH <sub>3</sub> C
<b>BIOCHEMICAL OXYGEN DEMAND (BOD)</b> ( <i>Low level available to 1.0 mg/L</i> )	SM 5210B
BOD, Carbonaceous ( <i>Low level available to 1.0 mg/L</i> )	SM 5210B
CHEMICAL OXYGEN DEMAND (COD) ( <i>Low level available to 1.0 mg/L</i> )	EPA 410.4
CHLORIDE	EPA 300.0
<b>CHLORINE RESIDUAL</b>	
Total	SM 4500-CLG
Free	HACH
Cyanide, Total ( <i>Low level available to 1.0 ppb</i> )	SM 4500-CNE
Cyanide WAD ( <i>Weak Acid Dissociable</i> )	SM 4500-CNI
<b>DISSOLVED ORGANIC CARBON (DOC)</b>	SM 5310B
<b>ELECTRICAL CONDUCTIVITY</b>	EPA 120.1/9050
FLUORIDE, Total	EPA 300.0
HARDNESS, Total ( <i>by titration</i> ) ( <i>Low level available to 2.0 mg/L</i> )	SM 2340C
HEXAVALENT CHROMIUM (LOW LEVEL) (Subcontracted)	EPA 218.6
HEXAVALENT CHROMIUM	EPA 7196/SM3500-CRD (18 <sup>th</sup> )
<b>NITRATE AS N (NO<sub>3</sub>-N)</b> ( <i>Low level available to 0.04 mg/L</i> )	EPA 300.0
<b>NITRITE AS N (NO<sub>2</sub>-N)</b> ( <i>Low level available to 0.005 mg/L</i> )	SM 4500-NO <sub>2</sub> B
<b>NITRATE + NITRITE AS N (NO<sub>3</sub>+NO<sub>2</sub>-N)</b>	EPA 353.2
<b>NITROGEN, Total Kjeldahl (TKN)</b>	EPA 351.3/SM 4500-NH <sub>3</sub> C
<b>NITROGEN, Total Organic (TON)</b>	SM 4500-NH <sub>3</sub> C
Calculation including analysis of NH <sub>3</sub> -N and TKN	
<b>NITROGEN PACKAGE (NH<sub>3</sub>-N, NO<sub>3</sub>-N, NO<sub>2</sub>-N, TKN, TON)</b>	
<b>NITROGEN, TOTAL (TKN+NO<sub>3</sub>+NO<sub>2</sub>-N)</b>	SM 4500-NH <sub>3</sub> C/E353.2
<b>OIL AND GREASE</b>	
Total ( <i>Gravimetric</i> )	EPA 1664/SM5520E
Hydrocarbon ( <i>Gravimetric</i> )	EPA1664/SM5520E
Total and Hydrocarbon ( <i>Gravimetric</i> )	EPA1664/SM5520E
<b>pH</b>	SM 4500-H B
<b>PHENOL, Total</b>	EPA420.1
<b>PERCHLORATE</b>	EPA 314.0
<b>PHOSPHATE/PHOSPHORUS</b>	
Ortho ( <i>Low level available to 0.01 mg/L</i> )	SM 4500-PE
Total (PO <sub>4</sub> -P) ( <i>Low level available to 0.01 mg/L</i> )	SM 4500-PE
<b>RADIOACTIVITY (Subcontracted)</b>	
Gross Alpha	EPA 900.0
Gross Beta	EPA 900.0
<b>SOLIDS</b>	
Total Solids ( <i>by percent</i> )	SM 2540B
Total Suspended (TSS) ( <i>Low level available to 1.0 mg/L</i> )	SM 2540D
Total Dissolved (TDS) ( <i>Low level available to 2.0 mg/L</i> )	SM 2540C
Total Settleable	SM 2540F
Total Volatile (VS)	SM 2540E
Volatile Suspended (VSS)	SM 2540E

# Wastewater, Receiving Waters, Ambient Water and Storm Water

Compliance monitoring for Clean Water Act, NPDES permit, Pretreatment Programs and Ambient Water Monitoring and Storm Water Permits.

Parameter	Method
SULFATE, Total (SO <sub>4</sub> )	EPA 300.0
SULFIDE, Total	SM 4500-SE
SULFIDE, Dissolved	SM 4500-SE
TOTAL ORGANIC CARBON (TOC)	SM 5310B
TURBIDITY	EPA 180.1

## WASTEWATER PACKAGES

### STANDARD MINERALS

pH, Alkalinity, Conductivity, Chloride, Ammonia,  
Nitrate+Nitrite as N, Sulfate, Total Dissolved Solids, Total  
Phosphate, Boron, Iron, Calcium, Magnesium,  
Hardness, Sodium, Potassium and Silica

### EFFLUENT PACKAGE

Standard Minerals Package plus Fluoride, Nitrite, Total Kjeldahl  
Nitrogen, Total Organic Nitrogen and Turbidity

## METALS INDIVIDUAL

Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn,  
Mo, Ni, K, Se, Si, Sr, Ag, Na, Ti, Sn, V, Zn

### TOTAL METALS DIGESTION FOR ICP OR ICPMS

EPA 200.2/3010/3050

### METALS BY ICP (Subcontracted)

EPA 200.7/6010

### METALS BY ICPMS

EPA 200.8/6020/1638

### METALS BY ICPMS COLLISION CELL MODE

EPA 200.8/6020/1638

### SELENIUM BY ICPMS REACTION CELL MODE

EPA 200.8/6020/1638

### HEXAVALENT CHROMIUM (2-10 ug/L RL)

EPA 7196/SM 3500-CRD(18<sup>th</sup>)

### HEXAVALENT CHROMIUM (0.2 ug/L RL) (Subcontracted)

EPA 218.6/7199

### MERCURY

EPA 245.1/7471/7470

(0.2 ug/L Reporting Limit)

### MERCURY LOW LEVEL (cold vapor)

EPA 245.1/7471/7470

(0.05 ug/L Reporting Limit)

### MERCURY ULTRA TRACE (atomic fluorescence)

EPA 1631

(0.0005 ug/L Reporting Limit)

### METHYL MERCURY (atomic fluorescence)

EPA 1630

(0.05 ng/L Reporting Limit)

## METALS PACKAGES (INCLUDES DIGESTIONS)

### PRETREATMENT-9 METALS As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn

Standard Reporting Limits (ICPMS and 0.2 ug/L Mercury)

EPA 200.8/245.1

Low Reporting Limits (ICPMS and 0.05 ug/L Mercury)

EPA 200.8/245.1

(Suitable for POTW Influent)

### BASIN PLAN -10 METALS As, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn

Standard Reporting Limits (ICPMS and 0.2 ug/L Mercury)

EPA 200.8/245.1

Low Reporting Limits (ICPMS and 0.05 ug/L Mercury)

EPA 200.8/245.1

(Suitable for POTW Influent)

Low Reporting Limits (ICPMS and 0.0005 ug/L Mercury)

EPA 200.8/1631

(Suitable for POTW Effluent)

### ICPMS METALS PACKAGES (SIP 12 METALS)

Standard Reporting Limits

EPA 200.8

Low Reporting Limits (ML Limits)

EPA 200.8/1638

Note: 8000 methods for solid matrices only

(continued)

# Wastewater, Receiving Waters, Ambient Water and Storm Water

Parameter	Method
<b>PRIORITY POLLUTANT-13 METALS</b> Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Hg, Se, Ag, Tl, Zn	
Standard Detection Limits ( <i>ICPMS and 0.2 ug/L Mercury</i> )	EPA 200.8/245.1
Low Detection Limits ( <i>ICPMS and 0.05 ug/L Mercury</i> ) (Suitable for POTW Influent)	EPA 200.8/245.1
Low Detection Limits ( <i>ICPMS and 0.0005 ug/L Mercury</i> ) (Suitable for POTW Effluent)	EPA 200.8/1631
<b>503 SLUDGE METALS</b> As, Cd, Cu, Pb, Hg, Mo, Ni, Se, Zn, % Solid	EPA 6020/7471
<b>BACTERIOLOGICAL</b>	
TOTAL COLIFORM, MPN 15 tube	SM 9221B
FECAL COLIFORM, MPN 15 tube	SM 9221E
E. COLI MPN ( <i>Quantitray</i> )	SM 9223B
TOTAL COLIFORM, MPN ( <i>Quantitray</i> )	SM 9223B
TOTAL COLIFORM & E. COLI ( <i>Quantitray</i> )	SM 9223B
<b>FISH BIOASSAY (Subcontracted)</b>	
Acute (96 HOUR) Toxicity	EPA-821-R-02-012
Chronic Toxicity	EPA-821-R-02-013
HAZARDOUS WASTE SCREEN	
<b>ORGANIC ANALYSES</b>	
PURGEABLE HALOCARBONS	EPA 624.1/8260
PURGEABLE AROMATICS	EPA 624.1/8260
PURGEABLE HALOCARBONS AND AROMATICS	EPA 624.1/8260
CHLORINATED PESTICIDES	EPA 625.1/
CHLORINATED PESTICIDES and PCB's ( <i>ML Reporting Limits</i> )	EPA 625
PCBs	EPA 625.1
POLYNUCLEAR AROMATIC HYDROCARBONS ( <i>PAH's</i> )	EPA 625.1/
DIOXIN (2,3,7,8 - TCDD only, by Low Res) (Subcontracted)	EPA 8280
DIOXIN (Full TCDD Equivalents) (Subcontracted)	EPA 1613/8290
DIOXIN (2, 3, 7, 8 - TCDD only, by High Res) (Subcontracted)	EPA 1613/8290
ORGANOPHOSPHORUS PESTICIDES	EPA 625.1
CHLORINATED HERBICIDES (Subcontracted)	EPA 615/8151
CARBAMATE AND UREA PESTICIDES	EPA 632
NEONICOTINOIDS	EPA 632
TRIBUTYL TIN (Subcontracted)	GC-FPD
<b>VOLATILE GC/MS ANALYSES</b>	
THMs (Reporting limits to 0.05 PPB)	EPA 624.1
PRIORITY POLLUTANT LIST	EPA 624.1/8260
PRIORITY POLLUTANT LIST with ML Reporting Limits	EPA 624.1
PRIORITY POLLUTANT LIST PLUS Tentatively Identified Compounds (TICs)	EPA 624.1/8260
<b>SEMIVOLATILE GC/MS ANALYSES</b>	
PRIORITY POLLUTANT LIST	EPA 625.1
CHLORINATED PESTICIDES & PCB'S	EPA 625.1
ORGANOPHOSPHORUS PESTICIDES	EPA 625.1
PYRETHROID PESTICIDES	EPA 625.1M/8270M (GCMS-NCI-SIM)
FIPRONIL (and DEGRADATES)	EPA 8270M (GCMS-NCI-SIM)

Note: 8000 methods for solid matrices only

(continued)

4

# Drinking Water

Safe Drinking Water Act, Regulated in California under Drinking Water Compliance Monitoring (Title 22)

## Parameter

### TITLE 22

#### PRIMARY INORGANICS

##### METALS

Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium,  
Chromium (Tot), Mercury, Nickel, Selenium, Thallium

CYANIDE

NITRATE (AS N)

NITRATE - NITRITE (AS N)

NITRITE (AS N)

FLOURIDE

ASBESTOS (Subcontracted)

PERCHLORATE

## Method

SM 4500 CN-E

EPA 300.0

EPA 353.2

EPA 354.1

EPA 300.0/SM 4500F-C

TEM

EPA314.0

#### SECONDARY INORGANICS

ALUMINUM

CALCIUM (Subcontracted)

COLOR

COPPER

FOAMING AGENTS (MBAS)

IRON (Subcontracted)

MAGNESIUM (Subcontracted)

MANGANESE

ODOR

SILVER

SODIUM (Subcontracted)

TURBIDITY

ZINC

TOTAL DISSOLVED SOLIDS (TDS)

SPECIFIC CONDUCTANCE (EC)

CHLORIDE

SULFATE

EPA 200.8

EPA 200.7

EPA 110.2

EPA 200.8

EPA 425.1

EPA 200.7

EPA 200.7

EPA 200.8

EPA 140.1

EPA 200.8

EPA 200.7

EPA 180.1

EPA 200.8

EPA 160.1

EPA 120.1/SM2510B

EPA 300.0/SM4500-CL-B

EPA 300.0

#### MICROBIOLOGY

COLIFORM, Total & E.coli (Presence/Absence)

COLIFORM, Total & E.coli (Quantitative)

HETEROTROPHIC PLATE COUNT

SM 9223B/ONPG-MUG

SM 9221 B & E

SM 9215 C

#### RADIOACTIVITY (Subcontracted)

Gross Alpha

GROSS BETA

RADIUM 226

RADIUM 228

URANIUM

EPA 900.0

EPA 900.0

EPA 903.1

EPA 904.0

EPA 908.1

#### ORGANICS FOR TITLE 22 & NATIONAL PRIMARY DRINKING WATER REGULATIONS PHASES I, II, IIB, & V

EDB and DBCP (Subcontracted)

(1,2-Dibromoethane and 1,2-Dibromo-3-Chloropropane)

ORGANOHALIDE PESTICIDES AND PCB's (Subcontracted)

NITROGEN & PHOSPHORUS CONTAINING PESTICIDES (Subcontracted)

EPA 504

EPA 505

EPA 507

CHLORINATED HERBICIDES (Subcontracted)

VOLATILE ORGANIC COMPOUNDS

TRICHALOMETHANES, (THM's only)

METHYL-TERT-BUTYL-ETHER (MTBE ONLY)

SEMIVOLATILE ORGANICS (Subcontracted)

CARBAMATES (Subcontracted)

EPA 515

EPA 524.2

EPA 524.2

EPA 524.2

EPA 525

EPA 531.1

(continued)

# Drinking Water

DRINKING WATER REGULATIONS PHASE I, II, IIB, AND V ADDITIONAL ANALYSES

Parameter	Method
<b>GLYPHOSATE</b> (Subcontracted)	EPA 547
<b>ENDOTHALL</b> (Subcontracted)	EPA 548
<b>DIQUAT</b> (Subcontracted)	EPA 549
<b>HALOACETIC ACIDS</b> (Subcontracted)	EPA 552
<b>DIOXIN</b> ( <i>High Resolution Mass Spectroscopy</i> ) (Subcontracted)	EPA 1613
<b>1,2,3-TRICHLOROPROPANE</b> (Low Level)	SRL 524M

---

## FEDERAL LEAD & COPPER RULE ANALYSES AND WATER QUALITY PARAMETERS

<b>COPPER</b>	EPA 200.8
<b>LEAD</b>	EPA 200.8
<hr/>	
<b>ALKALINITY:</b> Total, Bicarbonate, Carbonate, Hydroxide	EPA 310.1
<b>CALCIUM</b> (Subcontracted)	EPA 200.7
<b>pH</b>	EPA 150.1
<b>ORTHOPHOSPHATE</b>	EPA 365.2
<b>SILICA</b> (Subcontracted)	EPA 200.7
<b>TOTAL ORGANIC CARBON (TOC)</b> (Subcontracted)	SM 5310C
<b>DISSOLVED ORGANIC CARBON (DOC) INCLUDES LAB FILTRATION</b>	SM 5310C
<b>BORON</b>	EPA 200.8
<b>STRONTIUM-90</b> (Subcontracted)	EPA 905.0
<b>TRITIUM</b> (Subcontracted)	EPA 906.0
<b>VANADIUM</b>	EPA 200.8
<b>SODIUM ADSORPTION RATIO</b>	
Ca, Mg, Na, 200.2/3050 digestion plus calculation	
<b>ADJUSTED SODIUM ADSORPTION RATIO</b>	
Ca, Mg, Na, Alkalinity, EC, 3010/3050 digestion plus calculation	

---

## ADDITION PACKAGE OPTIONS:

### -GENERAL MINERAL

*Includes- Alkalinity, Calcium, Copper, Chloride, Electrical Conductance, Hardness, Iron, Fluoride, Magnesium, Manganese, Potassium, MBAS (Surfactants), pH, Sodium, Sulfate, Nitrate, Total Dissolved Solids, & Zinc.*

### -GENERAL PHYSICAL

*(Includes- Color, Odor, & Turbidity)*

### -INORGANIC CHEMICAL

*Includes- Aluminum, Arsenic, Beryllium, Chromium (Total), Lead, Thallium, Selenium, Silver, Mercury, Antimony, Nickel, Cadmium, Barium, Fluoride & Nitrate.*

**See also: Section for Individual Analyses.**



# Hazardous Waste

## Parameter

## Method

### FEDERAL TCLP (TOXICITY CHARACTERISTIC LEACHING PROCEDURE)

Federal 40 CFR part 261 Analyses

#### SAMPLE PREPARATION:

Metals Digestion

TCLP Extractions for Semivolatile Organics and Metals

TCLP Zero Headspace Extraction

**TCLP METALS** As, Ba, Cd, Cr, Pb, Hg, Se, Ag (*includes digestions*)

**VOLATILE ORGANICS**

**SEMIVOLATILE ORGANICS**

**ORGANOCHLORINE PESTICIDES**

**CHLOROPHENOXY ACID HERBICIDES**

EPA 3010/3050

EPA1311

EPA 1311

EPA 6020/7000

EPA 8260

EPA 8270

EPA 8081

EPA 8151

### CHARACTERISTICS OF HAZARDOUS WASTE

#### REACTIVITY:

With Water

Cyanide, Total

Sulfide, Total

Fluoride, Total

EPA 9010

EPA 9030

EPA 340.1

#### CORROSIVITY

pH

EPA 9045

#### IGNITABILITY (*Flashpoint/Flammability*)

EPA 1010

### STATE OF CA PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES (TTLC/STLC)

For State of California Title 22, Chapter 11

#### SAMPLE PREPARATION:

Total Solids by percent

Digestions for TTLC

CA Waste Extraction Test (*WET*) for STLC

EPA 160.3

EPA 3010/3050

CA W.E.T.

#### TTLC (TOTAL THRESHOLD LIMIT CONCENTRATION) CAM 17 METALS

Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Standard Reporting Limits

EPA 6020/7000's

#### STLC (SOLUBLE THRESHOLD LIMIT CONCENTRATION) CAM 17 METALS

Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Standard Hazardous Waste Reporting Limits

EPA 6020/7000's

#### ORGANICS TTLC OR STLC

Chlorophenoxy Acid Herbicides (Subcontracted)

Trichloroethylene (*TCE*) by GC/MS

Pentachlorophenol by GC/MS

Organochlorine Pesticides

Polychlorinated biphenyls (PCBs)

Organic Lead (Subcontracted)

DIOXIN (*2,3,7,8 TCDD only, by low res*) (Subcontracted)

EPA 8151

EPA 8260

EPA 8270

EPA 8081

EPA 8082

HML 338

EPA 8280

#### HEXAVALENT CHROMIUM

FLUORIDE, Total

ASBESTOS (*Bulk Screening*) (Subcontracted)

EPA 7196

EPA 300.0

PLM

#### TOXICITY CHARACTERISTICS (Subcontracted)

#### ACUTE AQUATIC TOXICITY FISH BIOASSAY:

Screening Test (LC-50)

Definitive (LC-50)



# Fuels Related Analyses

## Parameter

## Method

Applicable to Underground Storage Tank (UST) and Leaking Underground Fuel Tank (LUFT) investigations.

Analyses designed to comply with State of California State and Regional Water Quality Control Boards. Contact the lab for specific requirements.

<b>BTEX</b> Benzene, Toluene, Ethylbenzene, Xylenes	EPA 602/8021
<b>TOTAL PURGEABLE PETROLEUM HYDROCARBONS (TPPH)/Gas</b>	EPA 8015M/8260
<b>BTEX, &amp; TPPH GAS</b>	EPA 8260
<b>BTEX, MTBE, &amp; TPPH GAS</b>	EPA 8260

<b>MTBE BY GCMS</b>	EPA 8260
<b>TOTAL PETROLEUM HYDROCARBONS (EXTRACTABLE) DIESEL/MOTOROIL</b>	EPA 8015M
<b>LEAD, Total (includes digestion of sample)</b>	EPA 6020
<b>LUFT METALS</b> Cd, Cr, Ni, Pb, Zn (includes digestions)	EPA 6020

# Individual Analyses

## Parameter

## Method

### BACTERIOLOGICAL

<b>TOTAL COLIFORM and E.Coli</b> (Presence/Absence)	SM 9223B
---	----------

<b>TOTAL AND FECAL COLIFORM, MPN</b>	SM9221B/E
<b>10 TUBE</b> (2 dilutions of 5 tubes each)	
<b>15 TUBE</b> (3 dilutions of 5 tubes each)	
<b>25 TUBE</b> (5 dilutions of 5 tubes each)	
<b>TOTAL COLIFORM, MPN (QUANTITRAY)</b>	SM 9223B
<b>E.COLI, MPN (QUANTITRAY)</b>	SM 9223B
<b>TOTAL COLIFORM &amp; E.COLI, MPN (QUANTITRAY)</b>	SM 9223B

<b>HETEROTROPHIC PLATE COUNT/STANDARD PLATE COUNT</b>	SM 9215C
<b>CHLOROPHYLL A</b>	SM 10200H
<b>CHLOROPHYLL A &amp; PHEOPHYTIN</b>	SM 10200H

### METALS ANALYSES

Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn,  
Mo, Ni, K, Se, Si, Sr, Ag, Na, Ti, Sn, V, Zn

<b>METALS BY ICPMS</b>	EPA 200.8/6020/1638
<b>METALS BY ICPMS COLLISION CELL MODE</b>	EPA 200.8/6020/1638
<b>SELENIUM BY ICPMS REACTION CELL MODE</b>	EPA 200.8/6020/1638
<b>METALS BY ICP (Subcontracted)</b>	EPA 200.7/6010
<b>ACID SOLUBLE ALUMINUM</b>	SM 200.1/200.8
<b>FERROUS IRON</b>	SM 3500FE
<b>HEXAVALENT CHROMIUM</b>	EPA 7196/SM 3500-CR D (18 <sup>th</sup> ) EPA
<b>HEXAVALENT CHROMIUM (Subcontracted)</b>	218.6/7199
<b>MERCURY (cold vapor)</b>	EPA 245.1/7471/7470 (Soil)
<b>(0.2 ug/L Reporting Limit)</b>	
<b>MERCURY LOW LEVEL (cold vapor)</b>	EPA245.1/7471/7470 Soil
<b>(0.05 ug/L Reporting Limit)</b>	
<b>MERCURY ULTRA TRACE (atomic fluorescence)</b>	EPA 1631
<b>(0.0005 ug/L Reporting Limit)</b>	
<b>METHYL MERCURY (0.05 ng/L Reporting Limit)</b>	EPA 1630

**Note: 8000 methods for solid matrices only**

(continued)

# Individual Analyses

Parameter	Method
<b>VOLATILE ORGANICS</b>	
PURGEABLE HALOCARBONS	EPA 624.1/8260
PURGEABLE AROMATICS	EPA 624.1/8260
PURGEABLE HALOCARBONS & AROMATICS	EPA 624.1/8260
VOC PRIORITY POLLUTANTS BY GCMS	EPA 624.1/8260
<b>SEMI-VOLATILE ORGANICS</b>	
PRIORITY POLLUTANTS LIST	EPA 625.1/8270
ACID FRACTION ( <i>Phenols</i> )	EPA 625.1/8270
BASE NEUTRAL FRACTION	EPA 625.1/8270
PYRETHROID PESTICIDES	EPA 625.1M/8270M (GCMS-NCI-SIM)
HIGH EXPLOSIVES	EPA 8330
POLYNUCLEAR AROMATIC HYDROCARBONS ( <i>PAH's</i> ) <i>Low Level</i>	EPA 625.1/8270
<b>PCB/PESTICIDES/HERBICIDES</b>	
PCB's	EPA 625.1/8082/8270
Water	
Transformer Oil	
Solids and Wipes	
CHLORINATED PESTICIDES	EPA 625.1/8081/8270
CHLORINATED PESTICIDES & PCB's ( <i>ML Reporting Limits</i> )	EPA 625.1
<b>ORGANOPHOSPHORUS PESTICIDES</b>	EPA 625.1/8141
CHLORINATED HERBICIDES (Subcontracted)	EPA 615/8151
<b>CARBAMATE AND UREA PESTICIDES</b>	EPA 632/8321
DIOXIN (2,3,7,8 - TCDD only, <i>by low res</i> ) (Subcontracted)	EPA 613/8280
DIOXIN (2,3,7,8 - TCDD only, <i>by high res</i> ) (Subcontracted)	EPA 1613/8290
<b>INORGANICS</b>	
ANIONS BY ION CHROMATOGRAPHY ( <i>Cl, F, SO<sub>4</sub>, NO<sub>3</sub></i> )	EPA 300.0
ALKALINITY, Total, Bicarbonate, Carbonate and Hydroxide	EPA 310.1/SM 2320B
ASBESTOS (Bulk Screening)	PLM
ASBESTOS (Drinking Water)	TEM
ASBESTOS (Biosolids)	CARB 435
BIOCHEMICAL OXYGEN DEMAND ( <i>BOD</i> ) ( <i>Low-level reporting available to 1 mg/L</i> )	EPA 405.1/SM 5210B
BROMIDE	EPA 300.0
CHEMICAL OXYGEN DEMAND ( <i>Low-level reporting available to 5 mg/L</i> )	EPA 410.4
CHLORIDE	EPA 300.0
<b>COLOR</b>	EPA 110.2/SM 2120B
CYANIDE, Total ( <i>Low-level reporting available to 1 ppb</i> )	EPA 335.2/9010/SM 4500-CNE
ELECTRICAL CONDUCTIVITY	EPA 120.1/9050

*Note: 8000 methods for solid matrices only*

(continued)

# Individual Analyses

## Parameter

## Method

<b>FLUORIDE</b> , Total	EPA 300.0
<b>HARDNESS</b> , Total ( <i>by titration</i> ) ( <i>Low-level reporting available to 2 mg/L</i> )	EPA 130.2/SM 2340C
Calculation including analysis of Ca, Mg and digestion	SM 2340B
<b>MBAS</b> ( <i>Foaming Agents/Surfactants</i> )	EPA 425.1/SM 5540C
<b>MOISTURE</b> , PERCENT	EPA160.3/SM 2540B
<hr/>	
<b>NITROGEN</b>	
AMMONIA, ( $NH_3$ -N) ( <i>Low-level reporting available to 0.02 mg/L</i> )	EPA 350.2/SM 4500-NH <sub>3</sub> C
NITRATE, ( $NO_3$ -N) ( <i>Low-level reporting available to 0.04 mg/L</i> )	EPA 300.0/9056
NITRITE, ( $NO_2$ -N) ( <i>Low-level reporting available to 0.005 mg/L</i> )	EPA 354.1/SM 4500-NO <sub>2</sub> B
NITRATE + NITRITE, ( $NO_3 + NO_2$ -N)	EPA 353.2/9200A
TOTAL KJELDAHL, (TKN)	EPA 351.3/SM 4500-NH <sub>3</sub> C
TOTAL (TKN + $NO_3 + NO_2$ -N)	EPA 353.2/351.3
ORGANIC, TOTAL (TON) (TKN - $NH_3$ )	EPA 351.3 & 350.2
<hr/>	
<b>OIL AND GREASE</b>	
TOTAL (GRAVIMETRIC)	EPA 1664/SM5520E
HYDROCARBON (GRAVIMETRIC)	EPA 1664/SM5520E
TOTAL AND HYDROCARBON (GRAVIMETRIC)	EPA 1664/SM5520E
<hr/>	
<b>PERCHLORATE</b>	EPA 314.0
<b>pH</b>	EPA 150.1/9040/SM 4500-H B
<b>PHENOL</b> , TOTAL	EPA 420.1
<b>PHOSPHATE / PHOSPHORUS</b>	
ORTHO ( <i>Low-level reporting available to 0.01 mg/L</i> )	EPA 365.2/SM 4500-P E
TOTAL ( $PO_4$ -P) ( <i>Low-level reporting available to 0.01 mg/L</i> )	EPA 365.2/SM 4500-P E
<hr/>	
<b>RADIOACTIVITY</b> (Subcontracted)	
GROSS ALPHA	EPA 900.0
GROSS BETA	EPA 900.0
<hr/>	
<b>SOLIDS</b>	
TOTAL SOLIDS (BY PERCENT)	EPA 160.3/SM 2540B
TOTAL SUSPENDED (TSS) ( <i>Low-level reporting available to 1 mg/L</i> )	EPA 160.2/SM 2540D
TOTAL DISSOLVED (TDS) ( <i>Low-level reporting available to 2 mg/L</i> )	EPA 160.1/SM 2540C
TOTAL SETTLEABLE	EPA 160.5/SM 2540F
TOTAL VOLATILE (VS)	EPA 160.4
VOLATILE SUSPENDED (VSS)	EPA 160.4
<hr/>	
<b>SULFATE</b> ( $SO_4$ )	EPA 300.0/9056
<b>SULFIDE</b> , TOTAL OR DISSOLVED	EPA 376.2/9030/SM 4500-S E
<b>TOTAL ORGANIC CARBON</b> (TOC)	EPA 415.1/SM 5310B
<b>DISSOLVED ORGANIC CARBON</b> (DOC) - FIELD FILTERED or LAB FILTERED	EPA 415.1/SM 5310B
<b>TURBIDITY</b>	EPA 180.1

## REFERENCE CHART: HOLDING TIME, BOTTLE TYPE, PRESERVATION, MINIMUM VOLUME

Note: Multiple analyses may be run from the same container, provided that the bottle type, volume and preservation are appropriate.

Analytical Parameter	Maximum Holding Time	Required Container Type	Required Preservative	Minimum Amount
Alkalinity (Bicarb, Carb, Hyd, and Tot); SM 2320 B	14 days	Plastic / Glass	0-6°C	100 mL
Ammonia (NH <sub>3</sub> as N); SM 4500NH <sub>3</sub> B/C or B/G	28 days	Plastic / Glass	H <sub>2</sub> SO <sub>4</sub> pH <2 +0-6°C	200 mL
Anions by EPA 300.0: Chloride (Cl <sup>-</sup> ); Fluoride (F <sup>-</sup> ); Nitrate (as N); Sulfate (SO <sub>4</sub> <sup>2-</sup> )	28 days <b>48 hours (Nitrate)</b>	Plastic / Glass	0-6° C	100 mL
Asbestos (TEM)	<b>48 hours</b>	Plastic / Glass	0-6°C	1000 mL
Bioassay (Acute Tox) % survival	<b>36 hours</b>	Plastic cubitainer	0-6°C	1-5 gal
Biochemical Oxygen Demand (BOD); SM 5210 B	<b>48 hours</b>	Plastic / Glass	0-6°C	250 mL
Chromium, Hexavalent (CrVI); SM 3500Cr B	<b>24 hours</b>	Plastic / Glass	0-6°C	200 mL
Chlorine, residual; SM 4500Cl B or G	<b>15 minutes</b>	Field Measurement	-	-
Chemical Oxygen Demand (COD); SM 5220 D or EPA 410.4	28 days	Plastic / Glass	H <sub>2</sub> SO <sub>4</sub> pH <2 +0-6°C	50 mL
Chlorophyll A (Algal Biomass) / Pheophytin; SM 10200 H	<b>48 Hours to filter</b> 28 days once filtered	Amber Plastic	0-6°C, unfiltered -20°C, filtered	1 L
Coliform, Total / Fecal; SM 9221 B/E	<b>8 hrs – wastewater/stormwater</b> <b>24 hrs – drinking water</b>	Plastic (sterile)	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + 0-10°C	100 mL
Coliform, Total / E.Coli; SM 9223 B (Present/Absent or Quantitray)	<b>24 hours</b>	Plastic (sterile)	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + 0-10°C	100 mL
Color; SM 2120 B	<b>48 hours</b>	Plastic / Glass	0-6°C	100 mL
Conductivity (EC/SC); SM 2510 B	28 days	Plastic / Glass	0-6°C	100 mL
Cyanide Total; SM 4500CN B/C/E or B/C/I	14 days	Amber or opaque plastic with NaOH pH >10+0-6°C Pre-treatment for Total Cyanide samples with chlorine or NO <sub>3</sub> /NO <sub>2</sub> should be done prior to preservation. Kits can be provided upon request.		100 mL
Cyanide WAD; SM 4500CN B/C/E or B/C/I	14 days	Amber plastic	NaOH pH >10+0-6°C	
Dissolved Organic Carbon (DOC); SM 5310 B	<b>Filter within 48 hours</b> 28 days	250 mL Amber glass	Filter then add HCl to pH< 2 + 0-6°C	50 mL
Dissolved Oxygen (DO); SM 4500O G	<b>15 minutes</b>	Field Measurement or Glass bottle/no headspace Collect in duplicate	0-6°C	500 mL
Enterococcus by Enterolert	<b>8 hours</b>	Plastic (sterile)	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + 0-10°C	100 mL
Heterotrophic Plate Count (HPC/SPC); SIMPLATE	<b>8 hours</b>	Plastic (sterile)	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + 0-10°C	100 mL
Hardness (by titration); SM 2340 C	180 days	Plastic / Glass	HNO <sub>3</sub> pH <2	250 mL
Metals, Dissolved {2}; EPA 200.8	<b>Filter within 15 minutes{2}, 6 months</b>	Plastic / Glass	Filter then add HNO <sub>3</sub>	100 mL
Metals, Total; EPA 200.8	6 months	Plastic / Glass	HNO <sub>3</sub> pH <2	100 mL
Metals, Total; EPA 6010/6020		Solids in Glass SJ	0-6°C	1 8oz
Mercury (Hg) EPA 245.1	28 days	Plastic / Glass	HNO <sub>3</sub> pH <2	100 mL
Mercury (Hg) EPA 7471		Solids in Glass SJ	0-6°C	1 8oz
Mercury, Total; EPA 1631 (Aqueous)	<b>48 hours to preserve</b> 90 days once preserved	Glass, Dbl Bagged (not appropriate for samples with solids TSS>200 mg/L)	HCl	100 mL
Mercury, Total; EPA 1631 (Sludge or Solids)	90 days frozen	Solids in Glass SJ	0-6°C	1 8oz
Mercury, Dissolved {2}; EPA 1631	<b>Filter within 24 hours, Preserve within 48 hours</b> 90 days once preserved	Glass, Dbl Bagged	Filter in lab, then HCl	100 mL
Mercury, Methyl; EPA 1630 (Aqueous)	<b>Preserve {8} within 48 hrs</b> 6 months preserved	Glass, Amber Dbl Bagged	Dark and cool + (HCL or H <sub>2</sub> SO <sub>4</sub> {8})	100 mL
Mercury, Methyl; EPA 1630 (Sludge or Solids)	6 months frozen	Solids in Amber Poly SJ	Solids to be Frozen	1 8oz
Mercury, Dissolved {2} Methyl; EPA 1630	<b>Filter &amp; preserve within 48 hrs</b> 6 months once preserved	Glass, Amber Dbl Bagged	Filter in Lab, 0-6°C + HCl if < 10 ppT salinity {8}	100 mL
Nitrate (as N); EPA 300.0	<b>48 hours</b>	Plastic / Glass	0-6°C	100 mL
Nitrite (as N); SM 4500NO <sub>2</sub> B	<b>48 hours</b>	Plastic / Glass	0-6°C	100 mL
Nitrate+Nitrite as N (NO <sub>3</sub> +NO <sub>2</sub> -N) EPA 353.2, or SM NO <sub>3</sub> F	28 days	Plastic / Glass	H <sub>2</sub> SO <sub>4</sub> pH <2 +0-6°C	100 mL
Nitrogen, Total Kjeldahl (TKN); SM 4500Norg + SM 4500NH <sub>3</sub> B	28 days	Plastic / Glass	H <sub>2</sub> SO <sub>4</sub> pH <2 +0-6°C	200 mL
Nitrogen, Total Organic (TON) TKN-NH <sub>3</sub> = TON calc	28 days	Plastic / Glass	H <sub>2</sub> SO <sub>4</sub> pH <2 +0-6°C	200 mL
Odor; SM 2150 B	<b>6 hours (recommended) / 24 hour regulatory</b>	Glass only	0-6°C	250 mL
Oil & Grease, Total and/or Hydrocarbons EPA 1664	28 days	Amber Glass only-in duplicate	HCl pH <2 + 0-6°C	1 L {10}
Chlorinated Pesticides & PCBs	7 days, Aqueous	Glass Amber Liter {6}	0-6°C {5}	1 L
EPA 625.1 (formerly EPA 608) /8081/8082	14 days, Sludge or Solid	Solids in Glass SJ	0-6°C	1 8oz

Analytical Parameter	Maximum Holding Time	Required Container Type	Required Preservative	Minimum Amount	
Polynuclear Aromatic Hydrocarbons (PAH's) EPA 625.1/8270	7 days, Aqueous 14 days, Sludge or Solid	Glass Amber Liter {6} Solids in Glass SJ	0-6°C {5} 0-6°C	1 L 1 8oz	
Organophosphorus Pesticides EPA 625.1 (formerly EPA 614) /8141	7 days, Aqueous 14 days, Sludge or Solid	Glass Amber Liter. <b>Collect In triplicate</b> Solids in Glass SJ	0-6°C {5} 0-6°C	1 L 1 8oz	
Semi-volatile Organics EPA 625.1/8270	7 days, Aqueous 14 days, Sludge or Solid	Glass Amber Liter {6} Solids in Glass SJ	0-6°C {5} 0-6°C	1 L 1 8oz	
Pyrethroid Pesticides GCMS-NCI-SIM/ EPA 8270M/625.1M	7 days/3 days {9} 14 days, soil or sediment	Glass Amber Liter. <b>Collect In triplicate</b> Solids-Amber Glass SJ	0-6°C {5} Solids to be Frozen	1 L 1 8oz	
Carbamate Pesticides EPA 632/8321	7 days, Aqueous 14 days, Sludge or Solid	Glass Amber Liter. <b>Collect In triplicate</b> Solids in Glass SJ	0-6°C	1 L	
Volatile Organics EPA 524.2 {4}	14 days, preserved	Glass VOA vial {1} (sample in triplicate)	HCl pH <2 + 0-6°C {4}	40 mL	
Volatile Organics EPA 624.1 {3} (Includes Acrolein and Acrylonitrile)	14 days except: 3 days unpreserved for Acrolein {12} 7 days unpreserved for BTEX only {11}.	Total of four 40 mL VOA Vials; Two Pres w/ HCl, Two Unpreserved {1}  THMS only—3 HCl VOAs	0-6°C (see holding time for additional preservation)	One 40mL of each container type described	
Volatile Organics; EPA 8260 {3}	14 days (aqueous) 14 days Sludge/solid	Glass VOA vial {1} (in triplicate) Solids in separate glass jar filled to top	HCl pH <2 + 0-6°C 0-6°C	40 mL 1 8oz	
TPH Diesel/Motor Oil; EPA 8015	7 days	Glass Amber Liter {6}	0-6°C	1 L	
Tributyltin (TBT)	7 days (recommended)	Glass Amber Liter {6}	0-6°C	1 L	
TPH Gas/ BTEX/ MTBE; EPA 8260	14 days preserved	Glass VOA vial {1}	HCl pH <2 + 0-6°C	40 mL	
Dioxin; EPA 1613	1 year	Glass Amber Liter {6}	0-6°C {5}	1 L	
Perchlorate; EPA 314.0	28 days	Plastic/Glass	0-6°C	100 mL	
pH; SM 4500 H+ B	15 minutes	Plastic / Glass	0-6°C	100 mL	
Phenols, EPA 420.1	28 days	Glass Amber 250 mL	H <sub>2</sub> SO <sub>4</sub> pH <2 +0-6°C	200 mL	
Phosphate, Ortho (as P); SM 4500P E	48 hours	Plastic / Glass	0-6°C	100 mL	
Phosphate, Ortho, Dissolved (as P); SM 4500P E	15 minutes to filter / 48 hrs once filtered	Plastic / Glass	0-6°C	100 mL	
Phosphorus, Total (PO <sub>4</sub> as P); SM 4500P B/F or B/E	28 days	Plastic / Glass	H <sub>2</sub> SO <sub>4</sub> pH <2+0-6°C	100 mL	
Solids, Settleable (SS); SM 2540 F	48 hours	Plastic / Glass	0-6°C	1000 mL	
Solids, Total (mg/L or %); SM 2540 B, or SM 2540 G	7 days	Plastic / Glass	0-6°C	100 mL	
Solids, Total Dissolved (TDS); SM 2540 C	7 days	Plastic / Glass	0-6°C	100 mL	
Solids, Total Suspended (TSS); SM 2540 D	7 days	Plastic / Glass	0-6°C	200 mL	
Solids, Volatile Suspended (VSS); SM 2540 E	7 days	Plastic / Glass	0-6°C	200 mL	
Sulfate (SO <sub>4</sub> <sup>2-</sup> ); EPA 300.0	28 days	Plastic / Glass	0-6°C	100 mL	
Sulfide, Dissolved; SM 4500 S2- B/D	7 days	Glass 250 mL	AlCl <sub>3</sub> + NaOH +0-6°C	250 mL	
Sulfide, Total; SM 4500 S2- C/D	7 days	Glass (preferred)/plastic (no headspace)	NaOH + ZnAC pH >9 + 0-6°C	250 mL	
Sulfite (SO <sub>3</sub> )	7 days	Glass Amber 500 mL	EDTA + 0-6°C	250 mL	
Surfactants (MBAS); SM 5540 C	48 hours	Plastic / Glass	0-6°C	250 mL	
Suspended Sediment Conc. (SSC); ASTM D3977	7 days	Plastic / Glass	0-6°C {7}	100 mL	
Total Organic Carbon (TOC); SM 5310 B	28 days	Amber Glass VOA (3 vials)	HCl pH <2 + 0-6°C	40 mL	
Turbidity; SM 2130 B, or EPA 180.1	48 hours	Plastic / Glass	0-6°C	100 mL	
Ultraviolet Absorption (UVA at 254nm); SM 5910 B	48 hours	Glass Amber 125mL	0-6°C	125 mL	

{1} Volatile organic samples need to be filled in multiple VOA vials without air bubbles/headspace.

{2} Dissolved metals require field or lab filtration through 0.45-micron filter prior to preservation. 40 CFR 136.3 requires filtration within 15 minutes.

{3} Volatile organic methods EPA 624.1 and 8260 require dechlorination using Sodium Thiosulfate (Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>) at time of sampling if chlorine is present. (Thiosulfate dechlorination bottles are available at the laboratory upon request.) Dechlorination is to occur before transferring to the appropriate VOA.

{4} Volatile organic method EPA 524.2 requires de-chlorination using ascorbic acid at time of sampling if chlorine is present. Ascorbic acid dechlorination kits are available at the laboratory upon request. If analyzing for THMs only, Sodium Thiosulfate (Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>) may be used, and acidification can be omitted. Otherwise, dechlorinate with Ascorbic acid, then preserve with HCl. If the sample foams vigorously upon addition of HCl, discard and collect unpreserved dechlorinated sample, and notify the laboratory as the samples must be analyzed within 24 hours of collection if they are to be analyzed for any compounds other than THMs. Method 524.2 requires a travel/trip blank with each sample set collected.

{5} If sampling from a chlorinated location, add 80 mg/L Sodium Thiosulfate (Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>) per liter and mix well. Any method suitable for field use may be employed to test for residual chlorine (Reference 16). Add more sodium sulfate if 80 mg/L is insufficient but do not add excess sodium thiosulfate.

{6} Semi Volatile Organics Amber Liters (AL) should be collected in duplicate, to ensure volume for re-extraction if necessary. When possible, please collect 4 AL per method to allow the laboratory to perform matrix Quality Control (MS/MSD).

{7} Suspended Sediment Conc.(SSC) requires its own container and the entire contents are used for the analysis.

{8} Preserve with HCl if less than 10 ppt Salinity, or Preserve with H<sub>2</sub>SO<sub>4</sub> if greater than 10 ppt Salinity.

{9} Cyhalothrin in water has a 3-day hold time in reagent water per USGS study. Permethrin in water has a 3-day hold time per Storage Stability Study by CA Dept. of Food and Agriculture.

{10} 1000 mL required for RL of 5 mg/L; 250 mL bottle recommended for samples with expected concentrations of 20 mg/L or higher.

{11} If unpreserved, must be analyzed within 7 days of sampling

{12} Hold time can be extended to 14 days if preserved to pH 4-5 at time of collection.

(Rev 06/11/2020)







# Caltest Terms & Conditions

- I. **SCOPE OF SERVICES:** The following terms and conditions shall apply to all laboratory services performed by Caltest including, but not limited to, those described in Caltest's fee schedule, proposal or other written agreement incorporating these terms and conditions.
- II. **COMPENSATION:** Client agrees to pay Caltest for all services performed in accordance with the compensation provisions and analytical fees described in Caltest's fee schedule, proposal or other written agreement with the client. Client agrees to pay Caltest within 30 days after the invoice date. All invoices not paid within such time period will accrue interest at the rate of 1.5% per month or the highest rate allowable by law, whichever is less. Other services provided on a time-and-expense basis will be negotiated and agreed to in writing prior to performance. Client agrees to reimburse Caltest on a time-and-expense basis for all services relating to litigation to which Caltest is not a party and arising from the performances of services.
- III. **WARRANTY AND LIABILITY:** Caltest warrants that it shall perform all services in accordance with applicable laws and regulations. All testing and reports shall conform to generally acceptable analytical laboratory principles and practices. Caltest will not be liable for any damages, claims, or expenses, including attorneys' fees, related to the performance of work; save for reimbursing the cost of analyses.
- IV. **INSURANCE:** Caltest shall maintain the following minimum insurance: 1. Commercial general liability insurance, including personal injury liability, blanket contractual liability, and broad form property damage liability. The combined single limit for bodily injury and property damage shall not be less than \$1,000,000. 2. Automobile bodily injury and property damage liability insurance covering owned, nonowned, rented, and hired cars. The combined single limit for bodily injured and property damage, shall not be less than \$1,000,000. 3. Statutory workers compensations and employers' liability insurance. 4. Professional liability insurance.
- V. **USE OF CALTEST EQUIPMENT:** Client agrees to pay Caltest for all equipment or other property furnished to client in accordance with the compensation provisions of the fee schedule, proposal, or other written agreement. Client agrees to hold Caltest harmless from all damages, claims, or expenses arising out of Client's use of Caltest's equipment.
- VI. **TERMINATION OR SUSPENSION OF SERVICES:** Client may suspend or terminate all or a portion of the services performed by providing Caltest adequate notice. Client shall pay for all costs incurred to the date of such suspension or termination in accordance with the compensation provisions in the fee schedule, proposal, or other written agreement. Caltest reserves the right to suspend all services in the event that Client does not pay invoices when due.
- VII. **ASSIGNMENT:** These terms and conditions are binding and upon Caltest and its Client, their successors, heirs, and assigns and may not be assigned by either Caltest or Client without the prior written consent of the other.
- VIII. **ENTIRE AGREEMENT:** These terms and conditions and fee schedule, proposal, or other written agreement to which they are incorporated by reference, constitute the entire understanding between Client and Caltest regarding the performance of services. No other agreement, express or implied, shall be of any force or effect except when in writing and signed by both parties.
- IX. **JURISDICTION:** These terms and conditions shall be administered and interpreted under the laws of the State of California. If any of these terms and conditions are found to be in conflict with applicable laws, such part will be declared null and void insofar as it is in conflict with said laws and the remainder shall be in full force and effect.
- X. **TURNAROUND TIME:** Caltest will process samples in as timely a manner as possible. It is recognized that due to workload, equipment failures, Quality Control issues, and other unforeseen reasonable causes turnaround time can vary. Unless specific turnaround times are arranged and documented on the chain of custody, there will be no compensation for extended turnaround time.

**Method References** In general, the analytical methods Caltest uses adhere closely to those of the EPA or to EPA approved Standard Methods. Procedures are documented in our Quality Assurance Manual or our Standard Operating Procedures (SOPS). Modifications may be made for a variety of reasons: 1. We may use Quality Control (QC) measures that are more consistent with our overall quality assurance (QA) program or we may add QC measures to satisfy project requirements. 2. We may use a technology more advanced than that specified in the EPA methods. 3. We may add or delete analytes from a particular method to conform to the availability and stability of standards or special needs. Methods for some groups or compounds may change as new MCLs are proposed or new methods specified, or as interferences mandate the use of special cleanup techniques or alternative methods. In addition, Caltest uses a number of special methods developed in house.





1885 NORTH KELLY RD • NAPA, CA 94558  
(707) -258-4000  
[www.CaltestLabs.com](http://www.CaltestLabs.com)  
[info@caltestlabs.com](mailto:info@caltestlabs.com)