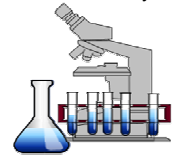


California Laboratory Services

Soil and Water Testing
Analytical Laboratory Services
3249 Fitzgerald Road Rancho Cordova, CA 95742
Toll Free: 800-638-7301 or 916-638-7301, Fax: 916-638-4510



I. ORGANIC ANALYSIS

MATRIX

METHOD

GC-GC/MS VOLATILES:

1,2,3 TCP, Low Level	Water	CA/DOHS
EDB and/or DBCP	Water	EPA 504.1
GC Volatile Organics	Water	EPA 502.2**
GC/MS Volatile Organics	Water/Soil/Other	EPA 524/624/8260B
Purgeable Aromatics and Halocarbons (GC)	Water/Soil	EPA 601/602/8010/8020/8021**
Purgeable Aromatics and Halocarbons (GC/MS)	Water/Soil	EPA 524.2/624/8260B
EtOH/MeOH/Alcohols	Water/Soil	EPA 8015
Ethanol	Water/Soil	EPA 8260B

PETROLEUM FUELS:

5 Oxygenates (plus 1,2-DCA & EDB)	Water/Soil	EPA 8260B
7 Oxygenates (including methanol and ethanol)	Water/Soil	EPA 8015/8260B
Oil and Grease	Water/Soil	EPA 1664A
TRPH	Water/Soil	EPA 1664A w/SGT
TPH (Gasoline and BTEX)	Water/Soil	EPA 8015m/8021
TPH (Gasoline and BTEX/MTBE)	Water/Soil	EPA 8015m/8260B
TPH (Gasoline)	Water/Soil	EPA 8015m
TPH Extractables (Diesel/Oil)	Water/Soil	EPA 8015m

GC-GC/MS-HPLC SEMI-VOLATILES:

Acrolein & Acrylonitrile	Water/Soil	EPA 8316
Formaldehyde	Water/Soil	EPA 8315
GC/MS Semi-volatile Organics	Water/Soil/Other	EPA 525/625/8270
Haloacetic Acids	Water	EPA 552.2*
Nitroaromatics/Nitroamines (Explosives)	Water	EPA 8330*
Phenols	Water/Soil	EPA 625/8270
Phthalate Esters	Water/Soil	EPA 625/8270
Polynuclear Aromatic Hydrocarbons	Water/Soil	EPA 610/8310

PCBs:

Polychlorinated Biphenyls (PCBs)	Water	EPA 508/608
Polychlorinated Biphenyls (PCBs)	Oil/Soil/Wipe	EPA 8082

PESTICIDES/HERBICIDES:

Carbamates	Water	EPA 531/632
Chlorophenoxyacid Herbicides	Water/Soil	EPA 515.1/8151A
Organochlorine Pesticides	Water/Soil	EPA 608/8081A
Organophosphorus Pesticides	Water/Soil	EPA 8141A
Pesticides and PCBs	Water/Soil	EPA 508
Triazine Pesticides	Water	EPA 507
Diquat/Paraquat	Water	EPA 549*
Endothall	Water	EPA 548*
Glyphosates	Water	EPA 547*

**These GC methods have been replaced by GC/MS methods for better identification purposes as follows:

EPA Method 524.2 replaces method 502.2

EPA Method 624 Low Level replaces methods 601 & 602

EPA Method 8260 Low Level replaces methods 8010, 8020, & 8021

*Currently subcontracted to other laboratories.

II. METALS ANALYSIS	MATRIX	METHOD
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GROUP ANALYSIS:

Drinking Water Metals (Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Hg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn)	Water	EPA 200 Series
CAM Metals (17) (As,Hg,Sb,Ba,Be,Cd,Cr,Co,Cu,Pb,Mo,Ni,Se,Ag,Tl,V,Zn)	Water/Other	EPA 6010B/6020/7000
LUFT/PET Metals (5) (Cd,Cr,Ni,Pb,Zn)	Water/Other	EPA 6010B/6020/7000
Priority Pollutant Metals (13) (Ag,As,Sb,Be,Cd,Cr,Cu,Pb,Hg,Ni,Se,Tl,Zn)	Water/Other	EPA 6010B/6020/7000
RCRA/TCLP Metals (8) (As,Ba,Cd,Cr,Hg,Pb,Se,Zn)	Water/Other	EPA 6010B/6020/7000

INDIVIDUAL ANALYSIS (PER METAL):

Cr+6	Water	EPA 7199/218.6
Ferrous Iron	Water	SM 3500-Fe-D
Hexavalent Chromium (includes sample prep)	Water/Other	EPA 7196
Mercury, Cold Vapor	Water/Other	EPA 245.1/7470/7471
Metals ICP	Water/Other	EPA 200.7/6010B
Metal by Graphite Furnace	Water/Other	EPA 200 Series/7000
Metals ICP/MS	Water/Other	EPA 200.8/6020

III. INORGANIC ANALYSIS	MATRIX	METHOD
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General Minerals: (Alkalinity, Calcium, Chloride, Fluoride, Hardness, Potassium, MBAS, Magnesium, Sodium, Nitrate, Specific Conductance, Sulfate, Total Dissolved Solids, & pH)	Water	EPA/STDM
General Physical: (Color, Odor, & Turbidity)	Water	EPA/STDM
Acid Generation Potential	Soil	EPA Methods
Acidity	Water	EPA 305.1
Alkalinity	Water	EPA 310.1/SM 2320B
Ammonia	Water/Other	EPA 350.2
BOD	Water/Other	EPA 405.1
Bromate	Water/Other	EPA 300.0
Bromide	Water/Other	EPA 300.0
Chlorate	Water	EPA 300.0
Chloride	Water/Other	EPA 300.0
Chlorine	Water	SM 4500-CL
COD	Water/Other	EPA 410.4
Color	Water	EPA 110.2
Conductivity	Water	EPA 120.1
Conductivity	Soil	EPA 9050A
Cyanide	Water/Other	EPA 335.2/9010
Cyanide, Amenable	Water/Other	EPA 335.1
Dissolved Oxygen	Water	EPA 360.1
Dissolved Fixed Solids	Water/Other	EPA 160.4
Flash Point (Ignitability)	Water/Other	EPA 1010
Fluoride	Water/Other	EPA 340.2/300.0
Hardness	Water	EPA 130/SM 2340B
Iodide	Water/Other	EPA 300.0
Corrosivity - Saturation Index (Langelier)	Water/Other	SM 2330B

*Sample preparation/digestion/extraction charges not included

III. INORGANIC ANALYSIS (Continued)	MATRIX	METHOD
MBAS Surfactant	Water/Other	EPA 425.1
Neutralization Potential	Soil	EPA Methods
Nitrate	Water/Other	EPA 300.0/353.3
Nitrate/Nitrite as N	Water	EPA 300.0/353.3
Nitrite	Water/Other	EPA 300.0/353.3
Odor	Water	EPA 140.1
Ortho-phosphate	Water	EPA365.2/SM 4500-P
Paint Filter Liquids Test	Water/Other	EPA 9095A
Percent Moisture/Solid	Soil/Sludge	ASTM D2216
Perchlorate	Water	EPA 300.0/314.0
pH	Water	EPA 150.1/9040B
pH	Soil/Other	EPA 9045C
Phenols	Water/Soil	EPA 420.1
Phosphorus, Total	Water/Other	EPA 365.2/SM 4500-P
Reactivity	Water/Other	SW-846 EPA Methods
Reactivity/Corrosivity/Ignitability	Water/Other	SW-846 EPA Methods
Redox Potential	Water/Soil	SM 2580
Salinity	Water	SM 210B
Specific Gravity	Water/Other	SM 2710F
Sulfate	Water/Other	EPA 300.0
Sulfide	Water/Other	EPA 376.2/9030
Sulfite	Water/Other	EPA 377.1
Tanins & Lignins	Water	SM 5550B
Total Dissolved Solids	Water/Other	EPA 160.1/SM 2540C
Total Kjeldahl Nitrogen	Water/Other	EPA 351.3
Total Organic Carbon	Water	EPA 415.1/SM 5310B
Total Organic Carbon	Soil	EPA 9060
Total Settleable Solids	Water	EPA 160.5
Total Solids	Water	EPA 160.3
Total Suspended Solids	Water/Other	EPA 160.2
Total Volatile Suspended Solids	Water	EPA 160.4
Total Volatile Solids	Water	EPA 160.4
Turbidity	Water	EPA 180.1
UV254	Water	SM 5910B*

*Currently subcontracted

IV MICROBIOLOGICAL	MATRIX	METHOD
Coliform (Presence/Absence)	Water/Other	SM 9223/MMO-MUG
Coliform (10-tube)	Water	SM 9221
Coliform (Quantitray)	Water/Other	SM 9223
Coliform, Total & Fecal (15-tube)	Water/Other	SM 9221
Coliform, Total, Fecal & E. Coli (15-tube)	Water/Other	SM 9221
Coliform Total, Fecal & E. Coli (25-tube)	Water/Other	SM 9221
Coliform Total, Fecal & E. Coli (35-tube)	Water/Other	SM 9221
Heterotrophic Plate Count	Water/Other	SM 9215C
Fecal Streptococci	Water/Other	SM 9230

*Sample preparation/digestion/extraction charges not included

V. RCRA/CALIFORNIA HAZARDOUS WASTE ANALYSIS, EXTRACTIONS & SAMPLE PREP

METHOD

SAMPLE PREPARATION/EXTRACTION:

Archive	CLS
Filtration	CLS
Insoluble Cr+6 Digestion	EPA 3060A
Composite (per Sub Sample)	CLS
STLC California WET: Citrate Buffer or D.I. Water	Title 22
TCLP Semi-volatile Organics/Pesticides/Metals Extraction	EPA 1311
TCLP Volatiles Extraction (ZHE)	EPA 1311
TTLC Metals Digestion	EPA 3040A/3050B

ANALYSIS:

TCLP Full Package (Extraction and Analysis)	EPA Methods
TCLP Herbicides	EPA Methods
TCLP Metals Analysis	EPA Methods
TCLP Pesticides	EPA Methods
TCLP Semi-volatiles & Pesticides Analysis	EPA Methods
TCLP Volatile Organics Analysis	EPA Methods

ADDITIONAL FEES

- Write On
- Geotracker
- EDD
- Special EDD

*Sample preparation/digestion/extraction charges not included

NOTES

A. Normal TURNAROUND TIME is 5 working days for faxed results. Refer to section C for rush analysis information. Hard Copy results are typically delivered within 3 days of results availability.

B. Prices are based on normal aqueous and soil matrices. Special handling costs may be applied to non-routine clean-up procedures.

C. RUSH SERVICES are available, with previous notification, at the following rates. Turnaround time is contingent upon test procedure and lab capacity at the time of request.

TURNAROUND REQUIRED	SURCHARGE
1 Working Day	100%
2 Working Days	60%
3 Working Days	30%

D. Other Analytical Tests not specifically mentioned on this price list are also available. CLS has extensive experience with analytical and applied chemistry procedures and can design custom, or standard programs to meet specific analytical needs. Please call for information and pricing. Toll Free: 800-638-7301 or Local: 916-638-7301.