

BSK

Associates

Engineers & Laboratories

2011 Schedule of Fees

Analytical Chemistry



An Employee-Owned Company • Analytical Testing • Construction Observation • Ecological Services • Engineering
Geology • Environmental Engineering • Geotechnical Engineering • Materials Testing • Water Resources

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I. ABOUT BSK ASSOCIATES

Founded in 1966, BSK Associates (BSK) is an employee-owned, professional consulting firm that offers:

- Analytical chemistry and microbiology;
- Civil and geotechnical engineering;
- Environmental assessment and remediation;
- Ecological consultation and habitat restoration;
- Construction material testing and observation;
- Seismic hazards and engineering-geology; and,
- Hydrogeology and water quality consulting.

From its beginnings in Fresno, California, BSK has grown into a multi-office firm with professionals holding applicable licenses, registrations, and certifications in environmental, civil and geotechnical engineering; microbiology, chemistry, biology, geology, construction inspection, and computer science. Our strategy is to maintain long-term, mutually beneficial client relationships, to anticipate client needs, and provide cost-effective, innovative, and timely consulting services. During the past decade, BSK has successfully transitioned ownership from the original three partners (Braun, Skaggs, and Kevorkian) to a 100-percent, employee firm. We are proud of our firm's history, and look forward to creating value for our clients, value for our employees, and providing profitable growth for our owners.

Laboratory Services

In 1967, BSK opened an analytical laboratory to support the ongoing needs of the Engineering division. The laboratory was founded in downtown Fresno, California where it still exists today. Since then, the laboratory has grown significantly and currently occupies four buildings in the same location that encompasses 18,000 square feet. Additionally, BSK has a satellite laboratory location co-located within the Sacramento Engineering office in Rancho Cordova, CA.

BSK has grown organically into full-service environmental laboratory, serving primarily the potable and non-potable water quality and environmental remediation markets. BSK is led by a seasoned management staff, many of which have been with the company in excess of 10 years and have decades of experience in the industry. The laboratory provides analytical chemistry and microbiology testing services utilizing the latest equipment and techniques. These capabilities coupled with an industry leading Laboratory Information Management System (LIMS) allow BSK to provide a combination of customer, testing, electronic data services that make it one of the most respected analytical testing laboratories in the state of California.

II. INORGANIC TEST METHODS

| General Chemistry | Method | Price |
|---|-------------------------------|---------|
| Acidity | SM 2310B | \$35.00 |
| Alkalinity (CaCO ₃) by Titration | SM 2320 B | \$30.00 |
| Alkalinity (CaCO ₃ , HCO ₃ /CO ₃ /OH ⁻) by Titration | SM 2320 B | \$30.00 |
| Alkalinity (HCO ₃) by Titration | SM 2320 B | \$30.00 |
| Ammonia by Colorimetry | SM 4500-NH3 G (20th) | \$40.00 |
| Ammonia by Ion Selective Electrode | SM 4500-NH3 F | \$40.00 |
| Ammonium (NH ₄ , pH/NH ₃ /Unionized NH ₃) | SM 8000 | \$40.00 |
| Ash, Percent | ASTM E 1534-93 | \$50.00 |
| Bicarbonate (CaCO ₃) by Titration | SM 2320 B | \$30.00 |
| Bicarbonate (HCO ₃) by Titration | SM 2320 B | \$30.00 |
| Biochemical Oxygen Demand (BOD) | SM 5210 B | \$40.00 |
| Biochemical Oxygen Demand (BOD, Dissolved) | SM 5210 B (0.45um Filtration) | \$45.00 |
| Biochemical Oxygen Demand (BOD, Low Level) | SM 5210 B | \$60.00 |
| Biochemical Oxygen Demand (cBOD, Carbonaceous) | SM 5210 B | \$45.00 |
| Carbon Dioxide (CO ₂ , ALK/PH) by Calculation | SM 4500-CO2 D | \$35.00 |
| Carbonate (CaCO ₃) by Titration | SM 2320 B | \$30.00 |
| Carbonate (CO ₃) by Titration | SM 2320 B | \$30.00 |
| Chemical Oxygen Demand (COD) | SM 5220 D | \$40.00 |
| Chemical Oxygen Demand (COD, Soluble) | SM 5220 D | \$60.00 |
| Chloramines by Titration | SM 4500-Cl F | \$25.00 |
| Chlorine by Titration | SM 4500-Cl F | \$25.00 |
| Chlorine Dioxide by Titration | SM 4500-ClO2 D | \$25.00 |
| Chlorine, Residual by Titration | SM 4500-Cl B | \$15.00 |
| Color by Nessler Tube | SM 2120 B | \$20.00 |
| Cyanide by Colorimetry | EPA 9012A, SM 4500-CN E | \$35.00 |
| Cyanide by Ion Selective Electrode | SM 4500-CN F | \$35.00 |
| Cyanide, Reactive | SW-846 Chap. 7 | \$90.00 |
| Cyanide, Weak Acid Dissociable (WAD) | SM 4500-CN I | \$35.00 |
| Dissolved Oxygen (DO) by Winkler Titration | SM 4500-O C | \$50.00 |
| Electrical Conductivity (EC) | SM 2510 B | \$10.00 |
| Electrical Conductivity (EC) / Cal Trans Prep | SM 2510 B | \$20.00 |
| Electrical Conductivity (EC) / Sat. Paste Prep | SM 2510 B | \$30.00 |
| Electrical Conductivity (EC, Dissolved) | SM 2510 B | \$15.00 |
| Flashpoint by Pensky-Martens Closed Cup | EPA 1010 | \$70.00 |
| Flouride by Ion Selective Electrode | SM 4500-F C | \$30.00 |
| Hardness (CaCO ₃) | EPA 200.7 / Calculation | \$35.00 |
| Hardness (CaCO ₃ , Dissolved) | EPA 200.7 / Calculation | \$40.00 |
| Hardness (CaCO ₃ , Solid) | EPA 200.7 / Calculation | \$50.00 |
| Hardness, Calcium (CaCO ₃) | EPA 200.7 / Calculation | \$35.00 |
| Hydrogen Sulfide by Calculation | SM 4500-S F | \$50.00 |
| Hydroxide (CaCO ₃) by Titration | SM 2320 B | \$30.00 |
| Hydroxide (OH ⁻) by Titration | SM 2320 B | \$30.00 |

| General Chemistry | Method | Price |
|---|----------------------------------|--------------|
| Ignitability | EPA 1030 | \$70.00 |
| Iodide | | \$100.00 |
| Iodine Number by Titration | ASTM D4607-94 | \$40.00 |
| Langlier Index (LI, PH/EC/ALK/TDS/CA/MG) by Calc. | SM 2330 B | \$110.00 |
| Loss on Ignition (LOI) | ASTM C571 | \$30.00 |
| Moisture, Percent | SM 2540 G / ASTM E 871-82 | \$30.00 |
| Nitrite by Colorimetry | SM 4500-NO2 B | \$20.00 |
| Nitrogen (N, NO₃+NO₂), Total Oxidizable by Colorimetry | SM 4500-NO3 F | \$20.00 |
| Nitrogen (N, NO₃+NO₂), Total Oxidizable (Dissolved) | SM 4500-NO3 F | \$30.00 |
| Nitrogen (NO3), Total Oxidizable by Colorimetry | SM 4500-NO3 F | \$35.00 |
| Nitrogen , Total Keldahl (TKN) | EPA 351.2 | \$40.00 |
| Nitrogen , Total Keldahl (TKN, Dissolved) | EPA 351.2 | \$50.00 |
| Nitrogen, Total (TN, NO₂/NO₃/TKN) | Calculation | \$60.00 |
| Nitrogen, Total Organic (TON, NH₃/TKN) | Calculation | \$80.00 |
| Odor | SM 2150 B | \$35.00 |
| Organic Carbon (Dissolved) | SM 5310 C (0.45um Filtration) | \$50.00 |
| Organic Carbon, Total (TOC) | SM 5310 C | \$40.00 |
| Organic Matter by Walkley-Black | Walkley-Black | \$60.00 |
| Orthophosphate (o-PO₄, Low Level) by Colorimetry | SM 4500-P E | \$30.00 |
| Orthophosphate (P, Low Level) by Colorimetry | SM 4500-P E | \$30.00 |
| Percent Sodium | | \$25.00 |
| pH | EPA 9040B, SM 4500-H+ B (Liquid) | \$10.00 |
| | EPA 9040B (Solid) | \$30.00 |
| pH (Cal Trans Prep) | EPA 9040B / California Test 643 | \$35.00 |
| pH (DI Extraction) | EPA 9045C (Solid) | \$30.00 |
| pH (Dissolved) | SM 4500-H+ B (0.45um Filtration) | \$20.00 |
| Phenolics | | \$70.00 |
| Phenolics (Low Level) | | \$150.00 |
| Phosphorous (P) by Colorimetry | EPA 365.4 | \$40.00 |
| Phosphorous (P, Dissolved) by Colorimetry | EPA 365.4 (0.45um Filtration) | \$60.00 |
| Redox Potential | | \$75.00 |
| Salinity (EC,TEMP) by Conductivity | SM 2510B / Calculation | \$30.00 |
| Saturation Percentage, Soil | SM 2540 G / ASTM E 871-82 | \$30.00 |
| Settable Solids/Matter (SM) | SM 2540 F | \$15.00 |
| Sodium Abs. Ratio, Adjusted (Adj. SAR, CA/MG/NA/PH/ALK) | Calculation | \$75.00 |
| Sodium Abs. Ratio (SAR, CA/MG/NA) by Calc. | Calculation | \$60.00 |
| Sodium, Percent (NA/CA/MG/K) by Calculation | EPA 200.7/6010/Calculation | \$45.00 |
| Solids, Percent | SM 2540 G / ASTM E 871-82 | \$35.00 |
| Solids, Percent Volatile | SM 2540 G / ASTM E 871-82 | \$50.00 |
| Solids, Total (TS) | SM 2540B | \$15.00 |
| Solids, Total Dissolved (TDS) | SM 2540C | \$15.00 |
| Solids, Total Dissolved (TDS, 0.45um Filtration) | SM 2540C | \$25.00 |
| Solids, Total Dissolved (TDS, Low Level) | SM 2540C | \$20.00 |
| Solids, Total Fixed (TFS) | SM 2540E | \$20.00 |

| General Chemistry | Method | Price |
|---|---|--------------|
| Solids, Total Fixed (TFS/TS) | SM 2540E | \$30.00 |
| Solids, Total Fixed Dissolved (TFDS) | SM 2540E | \$20.00 |
| Solids, Total Fixed Dissolved (TFDS, 0.45um Filtration) | SM 2540E | \$40.00 |
| Solids, Total Fixed Dissolved (TFDS/TDS) | SM 2540E | \$30.00 |
| Solids, Total Fixed Suspended (TFSS) | SM 2540E | \$20.00 |
| Solids, Total Fixed Suspended (TFSS, TSS) | SM 2540E | \$30.00 |
| Solids, Total Suspended (TSS) | SM 2540D | \$15.00 |
| Solids, Total Volatile (TVS) | SM 2540E | \$20.00 |
| Solids, Total Volatile (TVS,TS) | SM 2540E | \$30.00 |
| Solids, Total Volatile Dissolved (TVDS) | SM 2540E | \$20.00 |
| Solids, Total Volatile Dissolved (TVDS, 0.45um Filtration) | SM 2540E | \$40.00 |
| Solids, Total Volatile Dissolved (TVDS,TDS) | SM 2540E | \$30.00 |
| Solids, Total Volatile Suspended (TVSS) | SM 2540E | \$20.00 |
| Solids, Total Volatile Suspended (TVSS,TSS) | SM 2540E | \$30.00 |
| Sulfide (Dissolved) by Titration | SM 4500 S ⁻² E (18 th), EPA 9034 | \$60.00 |
| Sulfide (Total) by Titration | SM 4500 S ⁻² E (18 th), EPA 9034 | \$50.00 |
| Sulfide, Reactive | SW-846 Chap. 7 | \$90.00 |
| Sulfite | | \$100.00 |
| Surfactants (MBAS) | SM 5540 C | \$45.00 |
| Tannins and Lignins | | \$100.00 |
| Temperature | SM 2550 B | \$10.00 |
| Turbidity | SM 2130 B | \$15.00 |

| Anions by Ion Chromatography | Method | Price |
|--|------------------------------------|--------------|
| Bromate by Ion Chromatography | EPA 300.1 | \$30.00 |
| Bromate by Ion Chromatography (Low Level) | EPA 317.0 | \$60.00 |
| Bromide by Ion Chromatography | EPA 300.0 | \$17.00 |
| Bromide by Ion Chromatography (Low Level) | EPA 300.1 | \$30.00 |
| Chlorate by Ion Chromatography | EPA 300.1 | \$30.00 |
| Chloride by Ion Chromatography | EPA 300.0 | \$17.00 |
| Chloride by Ion Chromatography / Cal Trans Prep | EPA 300.0 (CA Test 422 Extraction) | \$30.00 |
| Chlorite by Ion Chromatography | EPA 300.1 | \$30.00 |
| Flouride by Ion Chromatography | EPA 300.0 | \$17.00 |
| Nitrate (N) by Ion Chromatography | EPA 300.0 | \$17.00 |
| Nitrate (NO3) by Ion Chromatography | EPA 300.0 | \$17.00 |
| Nitrite (NO2) by Ion Chromatography | EPA 300.0 | \$17.00 |
| Nitrogen (N), Total Oxidizable by Calculation | EPA 300.0 | \$34.00 |
| Orthophosphate (o-PO4) by Ion Chromatography | EPA 300.0 | \$17.00 |
| Orthophosphate (P) by Ion Chromatography | EPA 300.0 | \$17.00 |
| Perchlorate by Ion Chromatography (CLO4/EC) | EPA 314.0 | \$75.00 |
| Sulfate by Ion Chromatography | EPA 300.0 | \$17.00 |
| Sulfate by Ion Chromatography (Cal Trans Prep) | EPA 300.0 (CA Test 422 Extraction) | \$30.00 |

III. METALS TEST METHODS

| | | |
|------------------------------------|-----------------|----------------|
| Aluminum (Al) | Cobalt (Co) | Silica (Si) |
| Antimony (Sb) | Copper (Cu) | Silver (Ag) |
| Arsenic (As) | Iron (Fe) | Sodium (Na) |
| Barium (Ba) | Lead (Pb) | Strontium (Sr) |
| Beryllium (Be) | Magnesium (Mg) | Thallium (Tl) |
| Boron (B) | Manganese (Mn) | Tin (Sn) |
| Cadmium (Cd) | Mercury (Hg) | Uranium (U) |
| Calcium (Ca) | Molybdenum (Mo) | Vanadium (V) |
| Chromium (Cr) | Nickel (Ni) | Zinc (Zn) |
| Chromium, Hex. (Cr ⁺⁶) | Potassium (K) | |
| Chromium, Tri. (Cr ⁺³) | Selenium (Se) | |

| Metals by Inductively Coupled Plasma (ICP) | Method | Price / Metal ⁽¹⁾ |
|--|------------------------------------|-------------------------------------|
| Total Metals | | |
| Al, Ba, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Si, Ag, Na, Sn, V, Zn | EPA 200.7 (200.2 Liquid Digestion) | \$17.00 |
| | EPA 6010B (3010 Liquid Digestion) | \$17.00 |
| | EPA 6010B (3050 Solid Digestion) | \$22.00 |
| Dissolved Metals | | |
| Al, Ba, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Si, Ag, Na, Sn, Zn | EPA 200.7 (0.45um Filtration) | \$17.00 ⁽²⁾ |
| DISTLC Metals | | |
| Al, Ba, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Ag, Na, Sn, V, Zn | EPA 6010B (CA DI WET Extraction) | \$17.00 ⁽²⁾ |
| STLC Metals | | |
| Al, Ba, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Ag, Sn, V, Zn | EPA 6010B (CA WET Extraction) | \$17.00 ⁽²⁾ |
| TCLP Metals | | |
| Al, Ba, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Ag, Sn, V, Zn | EPA 6010B (EPA 1311 Extraction) | \$17.00 ⁽²⁾ |

(1) Unit prices are for individual metals. Discounts are available for multiple metals on a single sample. Please contact our Client Services Department for a quotation.

(2) Prices quoted do not include filtration or leachate extractions. See Sample Preparation Fees.

(3) Requires special low level digestion at additional cost. See Sample Preparation Fees.

| Metals by Inductively Coupled Plasma – Mass Spec. (ICP MS) | Method | Price / Metal ⁽¹⁾ |
|--|------------------------------------|-------------------------------------|
| Total Metals | | |
| Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Sr, Tl, V, Zn | EPA 200.8 (200.2 Liquid Digestion) | \$17.00 |
| | EPA 6020 (3010 Liquid Digestion) | \$17.00 |
| | EPA 6020 (3050 Liquid Digestion) | \$22.00 |
| Thallium (Tl) | EPA 200.8 (200.2 Liquid Digestion) | \$17.00 |
| Uranium (U) | EPA 200.8 (200.2 Liquid Digestion) | \$52.00 |
| | EPA 6020 (3010 Liquid Digestion) | \$52.00 |
| | EPA 6020 (3050 Solid Digestion) | \$62.00 |
| Mercury (Hg), Bomb Calorimetry | EPA 6020 / ASTM D3684-01 | \$125.00 |
| Total, Trace (Low Level) Metals | | |
| Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn | EPA 200.8 (200.2 Mod. Digestion) | \$20.00 ⁽³⁾ |
| Dissolved Metals | | |
| Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Sr, Tl, V, Zn | EPA 200.8 (0.45um Filtration) | \$17.00 ⁽²⁾ |
| Mercury (Hg) | EPA 200.8 (0.45um Filtration) | \$22.00 ⁽²⁾ |
| Uranium (U) | EPA 200.8 (0.45um Filtration) | \$52.00 ⁽²⁾ |
| DISTLC Metals | | |
| Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Sr, Tl, V, Zn | EPA 6020 (CA DI WET Extraction) | \$17.00 ⁽²⁾ |
| STLC Metals | | |
| Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn | EPA 6020 (CA WET Extraction) | \$17.00 ⁽²⁾ |
| TCLP Metals | | |
| Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn | EPA 6020B (EPA 1311 Extraction) | \$17.00 ⁽²⁾ |

(1) Unit prices are for individual metals. Discounts are available for multiple metals on a single sample. Please contact our Client Services Department for a quotation.

(2) Prices quoted do not include filtration or leachate extractions. See Sample Preparation Fees.

(3) Requires special low level digestion at additional cost. See Sample Preparation Fees.

| Metals by Atomic Absorption/Fluorescence | Method | Price / Metal ⁽¹⁾ |
|---|-------------------------------|-------------------------------------|
| Total Metals | | |
| Mercury (Hg), Cold Vapor | EPA 245.1 / 7470 / 7471 | \$50.00 |
| Selenium (Se), Hydride Generation | SM 3114 B | \$40.00 |
| Dissolved Metals | | |
| Selenium (Se), Hydride Generation | SM 3114 B (0.45um Filtration) | \$40.00 ⁽²⁾ |
| Total, Low Level Metals | | |
| Mercury (Hg) | EPA 1631 | \$120.00 |

| Chromium Speciation | Method | Price / Metal ⁽¹⁾ |
|--|----------------------------------|-------------------------------------|
| Hexavalent Chromium by Ion Chromatography | EPA 218.6, 7199 | \$90.00 |
| | EPA 7199 (CA DI WET Extraction) | \$150.00 |
| | EPA 7199 (3060A Solid Digestion) | \$150.00 |
| Trivalent Chromium by Calculation | EPA 200.8, 218.6 / 7199 (Liquid) | \$110.00 |
| | EPA 6020, 218.6 / 7199 (Solid) | \$170.00 |

(1) Unit prices are for individual metals. Discounts are available for multiple metals on a single sample. Please contact our Client Services Department for a quotation.

(2) Prices quoted do not include filtration or leachate extractions. See Sample Preparation Fees.

(3) Requires special low level digestion at additional cost. See Sample Preparation Fees.

IV. ORGANIC TEST METHODS

| Organics by Gas Chromatography | Method | Price |
|--|--------------------|----------|
| Chlordane by GC-ECD | EPA 608, 8081 | \$125.00 |
| Chlorinated Acid Herbicides by GC-ECD | EPA 515.3 | \$150.00 |
| Chlorinated Acid Herbicides (CalTox) by GC-ECD | EPA 515.3 | \$150.00 |
| Chlorinated Phenoxy Acid Herbicides by GC-ECD | EPA 8151 | \$175.00 |
| DBCP by GC-ECD | EPA 504.1 | \$60.00 |
| EDB and DBCP by GC-ECD | EPA 504.1 | \$65.00 |
| EDB and DBCP (CalTox) by GC-ECD | EPA 504.1 | \$65.00 |
| Haloacetic Acids by GC-ECD | EPA 552.2 | \$180.00 |
| Nitrogen/Phosphorous Pesticides by GC-NPD | EPA 614, 8141 | Quote |
| Nitrogen/Phosphorous Pesticides (CalTox) by GC-NPD | EPA 614 | Quote |
| Organochlorine Pesticides, PCBs (Appendix IX List) by GC-ECD | EPA 8081/8082 | \$200.00 |
| Organochlorine Pesticides, PCBs (PRG Limits) by GC-ECD | EPA 8081/8082 | \$200.00 |
| Organochlorine Pesticides (PRG Limits) by GC-ECD | EPA 8081 | \$175.00 |
| Organochlorine Pesticides, PCBs by GC-ECD | EPA 608, 8081/8082 | \$150.00 |
| Organochlorine Pesticides by GC-ECD | EPA 608, 8081 | \$125.00 |
| Organochlorine Pesticides, PCBs (CalTox) by GC-ECD | EPA 608 | \$175.00 |
| Organohalide Pesticides, PCBs by GC-ECD | EPA 505 | \$150.00 |
| Organohalide Pesticides, PCBs (CalTox) by GC-ECD | EPA 505 | \$150.00 |
| Organophosphorous Pesticides (Low Level) by GC-NPD | EPA 8141 | Quote |
| Organophosphorous Pesticides by GC-NPD | EPA 614, 8141 | Quote |
| Polychlorinated Biphenyls (PCBs) by GC-ECD | EPA 8082 (Oil) | \$85.00 |
| | EPA 608, 8082 | \$125.00 |
| Toxaphene by GC-ECD | EPA 608, 8081 | \$125.00 |

| Organics by Liquid Chromatography (HPLC) | Method | Price |
|--|---------------------|----------|
| Acetanilide Pesticide Degradates by HPLC-MS/MS | EPA 535 | \$375.00 |
| Carbamate and Urea Pesticides by HPLC | EPA 632 | \$175.00 |
| Carbamates by HPLC | EPA 531.1 | \$125.00 |
| Carbamates (CalTox) by HPLC | EPA 531.1 | \$125.00 |
| Diquat by HPLC | EPA 549.2 | \$150.00 |
| Diquat (CalTox) by HPLC | EPA 549.2 | \$150.00 |
| Diuron by HPLC | EPA 632 | \$175.00 |
| Diuron, Oryzalin by HPLC | EPA 632 | \$175.00 |
| Glyphosate by HPLC | EPA 547 | \$150.00 |
| Glyphosate (CalTox) by HPLC | EPA 547 | \$150.00 |
| Paraquat by HPLC | EPA 549.2 | \$150.00 |
| | Subcontract (Solid) | Quote |

| Organics by Gas Chromatography – Mass Spectroscopy (GC-MS) | Method | Price |
|---|----------------------|--------------|
| <i>Semi-Volatile Methods</i> | | |
| 1,4-Dioxane by GC-MS | EPA 625, 8270 | \$250.00 |
| Acetanilide Pesticides by GC-MS | EPA 525.2 | \$175.00 |
| Diazinon, Chlorpyrifos (Low Level) by GC-MS | EPA 625, 8270 | \$250.00 |
| Dioxin, 2,3,7,8-TCDD | EPA 1613 | Quote |
| Dioxins by High Resolution GC-MS | EPA 8290 | Quote |
| Dioxins and Furans by High Resolution GC-MS | EPA 8290 | Quote |
| Endothall by GC-MS | EPA 548.1 | \$180.00 |
| Endothall (CalTox) by GC-MS | EPA 548.1 | \$180.00 |
| Explosives by GC-MS | EPA 529 | \$250.00 |
| Nitrogen/Phosphorous Pesticides by GC-MS | EPA 525.2, 8270 | \$150.00 |
| Nitrosamines by GC-MS CI | EPA 521 | \$300.00 |
| n-Nitrosodimethylamine by GC-MS CI | EPA 521 | \$180.00 |
| Pesticides, Flame Retardants by GC-MS | EPA 527 | \$250.00 |
| Semi-Volatile Organics (App IX list) by GC-MS | EPA 8270 | \$400.00 |
| Semi-Volatile Organics (CalTox) by GC-MS | EPA 525.2 | \$175.00 |
| | EPA 625 | \$400.00 |
| Semi-Volatile Organics (PAHs, 8100 List) by GC-MS | EPA 8270 | \$175.00 |
| Semi-Volatile Organics (PAHs, 8100 List, Low Level) by GC-MS SIM | EPA 8270 | \$225.00 |
| Semi-Volatile Organics (Standard List) by GC-MS | EPA 525.2 | \$175.00 |
| | EPA 625 | \$250.00 |
| | EPA 8270 | \$350.00 |
| Semi-Volatile Organics (Standard List, Chlorpyrifos) by GC-MS | EPA 525.2 | \$200.00 |
| Simazine, Atrazine, Alachlor by GC-MS | EPA 525.2 | \$150.00 |
| Tentatively Identified Compounds (SVOA GC-MS) | EPA 525.2/625/8270 | \$100.00 |
| <i>Volatile Methods</i> | | |
| 1,2,3-Trichloropropane (CA Notification Level) by GC-MS SIM | CA DHS | \$150.00 |
| 1,2,3-Trichloropropane (CA PHG Level) by GC-MS SIM | CA DHS | \$225.00 |
| Acrolein, Acrylonitrile | EPA 624, 8260 | \$90.00 |
| Perchloroethene, Trichloroethene by GC-MS | EPA 524.2, 624, 8260 | \$50.00 |
| Trihalomethanes by GC-MS | EPA 524.2, 624, 8260 | \$85.00 |
| Volatile Organics (App IX List) by GC-MS | EPA 8260 | \$225.00 |
| Volatile Organics (CalTox) by GC-MS | EPA 624 | \$225.00 |
| Volatile Organics (Landfill List) by GC-MS | EPA 8260 | \$200.00 |
| Volatile Organics (Oxygenates) by GC-MS | EPA 524.2, 624, 8260 | \$110.00 |
| Volatile Organics (Oxygenates, Ethanol) by GC-MS | EPA 524.2, 624, 8260 | \$175.00 |
| Volatile Organics (Oxygenates, Lead [Pb] Scavengers) by GC-MS | EPA 524.2, 624, 8260 | \$150.00 |
| Volatile Organics (SDWA Regulated List) by GC-MS | EPA 524.2 | \$150.00 |
| Volatile Organics (Halogenated/Aromatic List) by GC-MS | EPA 524.2, 624, 8260 | \$150.00 |
| Volatile Organics (Standard List) by GC-MS | EPA 524.2 | \$150.00 |
| | EPA 624, 8260 | \$175.00 |
| Tentatively Identified Compounds (VOA GC-MS) | EPA 524.2/624/8260 | \$100.00 |

| Hydrocarbons, Fuels and Oxygenates | Method | Price |
|---|----------------------|--------------|
| <i>Volatile Fuel Constituents by Gas Chromatography</i> | | |
| BTEX, MTBE (Air) | EPA 8015B/8021 | \$225.00 |
| BTEX, MTBE, TPH-Gasoline (Air) | EPA 8015B/8021 | \$225.00 |
| BTEX by GC-PID | EPA 8021 | \$50.00 |
| BTEX, MTBE by GC-PID | EPA 8015B/8021 | \$60.00 |
| BTEX, MTBE, TPH-Gasoline by GC-PID/FID | EPA 8015B/8021 | \$75.00 |
| BTEX, TPH-Gasoline by GC-PID/FID | EPA 8015B/8021 | \$70.00 |
| Ethylene Glycol by GC-FID | EPA 8015 | \$120.00 |
| <i>Volatile Fuel Constituents by Gas Chromatography – Mass Spectroscopy</i> | | |
| BTEX by GC-MS | EPA 624, 8260 | \$50.00 |
| MTBE by GC-MS | EPA 524.2, 624, 8260 | \$50.00 |
| BTEX, MTBE by GC-MS | EPA 624, 8260 | \$60.00 |
| BTEX, Oxygenates by GC-MS | EPA 624, 8260 | \$110.00 |
| BTEX, TPH-Gasoline by GC-MS | EPA 8260/8015M | \$70.00 |
| BTEX, MTBE, TPH-Gasoline by GC-MS | EPA 8260/8015M | \$75.00 |
| Oxygenates by GC-MS | EPA 8260 | \$110.00 |
| Oxygenates, Lead Scavengers by GC-MS | EPA 8260 | \$150.00 |
| <i>Oil and Grease / Petroleum Hydrocarbons</i> | | |
| Hydrocarbons, Total Oil and Grease by IR | SM 5520C | \$75.00 |
| Hydrocarbons, Total Oil and Grease by HEM | EPA 1664A | \$65.00 |
| Hydrocarbons, Total Oil and Grease by Soxhlet | SM 5520D | \$85.00 |
| Hydrocarbons, Total Petroleum (TPH) by IR | SM 5520F | \$85.00 |
| Hydrocarbons, Total Petroleum (TPH) by SGT-HEM | EPA 1664A | \$75.00 |
| Hydrocarbons, Oil and Grease / Petroleum by IR | SM 5520C/F | \$95.00 |
| Hydrocarbons, Oil and Grease / Petroleum by SGT-HEM | EPA 1664A | \$85.00 |
| <i>Hydrocarbon Fuel Ranges by Gas Chromatography</i> | | |
| TPH-Diesel (SGT) by GC-FID | EPA 8015B | \$75.00 |
| TPH-Diesel by GC-FID | EPA 8015B | \$60.00 |
| TPH-Gasoline by GC-FID | EPA 8015B | \$60.00 |
| TPH-Jet Fuel by GC-FID | EPA 8015B | \$90.00 |
| TPH-Kerosene by GC-FID | EPA 8015B | \$90.00 |
| TPH-Motor Oil (SGT) by GC-FID | EPA 8015B | \$85.00 |
| TPH-Motor Oil by GC-FID | EPA 8015B | \$70.00 |
| TPH-Diesel, Motor Oil by GC-FID | EPA 8015B | \$75.00 |
| TPH-Diesel, Motor Oil (SGT) by GC-FID | EPA 8015B | \$90.00 |

V. MICROBIOLOGY TEST METHODS

| Coliforms | Method | Price |
|--|----------------|----------|
| Coliforms by Presence / Absence | SM 9223 | \$25.00 |
| Coliform, Total and E.Coli by Collert-18 | | |
| Coliforms (MPN, Most Probable Number) | | |
| Coliforms (Total and E.Coli) by 1x10 Collert-18 Dilution | SM 9223 | \$25.00 |
| <i>Coliforms (Total, Fecal, E.Coli) by Multi Tube Fermentation (MTF)</i> | SM 9221B, E, F | |
| 1x10 Dilution – Single Parameter | | \$25.00 |
| 3x5 Dilution – Single Parameter | | \$30.00 |
| Additional Species | | \$10.00 |
| Additional Dilutions | | \$5.00 |
| <i>Coliforms by Quanti-Tray</i> | SM 9223 | |
| Coliform, Total by Quanti-Tray | | \$25.00 |
| Coliform, Total and E.Coli by Quanti-Tray | | \$30.00 |
| <i>Fecal Streptococcus by Multi Tube Fermentation (MTF)</i> | SM 9230B | |
| Fecal Streptococcus by 1x10 MTF | | \$100.00 |
| Fecal Streptococcus by 3x5 MTF | | \$150.00 |
| Additional Dilutions | | \$50.00 |

| Miscellaneous Microbiology | Method | Price |
|---|----------|----------|
| Cryptosporidium, Giardia | EPA 1623 | Quote |
| E.Coli O157:H7 by PCR | PCR | Quote |
| E.Coli, LT2 Surface Water by Quanti-Tray | | \$75.00 |
| Fecal Coliform Dry Wt Class A / Class B | SM 9221E | \$75.00 |
| Heterotrophic Plate Count | SM 9215B | \$35.00 |
| Heterotrophic Plate Count by SimPlate | SM 9215B | \$30.00 |
| Heterotrophic Plate Count (Title 21 Bottled Water) | SM 9215B | \$35.00 |
| Inhibitory Residue Analysis | | \$500.00 |
| Listeria Monocytogenes | PCR | Quote |
| Salmonella | PCR | Quote |
| Salmonella (Biosolids) | SM 9220D | Quote |

VI. SPECIALTY TEST METHODS

| Bioassay | Method | Price |
|--|--------|-------|
| Acute Toxicity | | Quote |
| Bioassay | | Quote |
| Bioassay, Chronic 3 Species (Single or Multi-Dilution) | | Quote |
| Bioassay, Title 22 Hazardous Waste | | Quote |

| Biomass Fuels | Method | Price |
|---|----------------------------|----------|
| BTU Content by Bomb Calorimetry | ASTM D5865-07a / EPA 300.0 | \$125.00 |
| Chlorine by Bomb Calorimetry / Ion Chromatography | ASTM D5865-07a / EPA 300.0 | \$100.00 |
| Nitrogen by Bomb Calorimetry / Ion Chromatography | ASTM D5865-07a / EPA 300.0 | \$100.00 |
| Sulfur by Bomb Calorimetry / Ion Chromatography | ASTM D5865-07a / EPA 300.0 | \$100.00 |
| Sulfur by Bomb Calorimetry (Low Level) / Ion Chromatography | ASTM D5865-07a / EPA 300.0 | \$125.00 |

| Radiochemistry | Method | Price |
|---|-------------------------------|----------|
| Alpha Emitters (Ra223, 224, 226) | | \$175.00 |
| Gross Alpha by Co-precipitation | EPA 00-02 | \$50.00 |
| Gross Alpha, Beta | | \$100.00 |
| Gross Beta | | \$50.00 |
| Radium 226 | | \$125.00 |
| Radium 228 | | \$175.00 |
| Radon | | \$75.00 |
| Uranium, Radioactive | | \$75.00 |
| Uranium, Radiological by ICP-MS/Calculation | EPA 200.8 (0.45um Filtration) | \$52.00 |

| Miscellaneous Testing | Method | Price |
|--|---------------------------|----------|
| Abrasion | | \$120.00 |
| Arsenic Speciation | | Quote |
| Asbestos, Bulk | | \$25.00 |
| Asbestos, Drinking Water | EPA 100.2 | \$200.00 |
| Asbestos, Wastewater | EPA 100.1 | \$350.00 |
| Chloropicrin by GC-ECD | EPA 551 | \$200.00 |
| Dust, Percent | SM 2540 G / ASTM E 871-82 | \$20.00 |
| Formaldehyde | | Quote |
| Mercury, Methyl | | \$195.00 |
| Methane, Ethane, Ethene | RSK-175 | Quote |
| Methylisothiocyanate | | Quote |
| Nonylphenol | | Quote |
| Norflurazon | | Quote |
| Proximate Analysis | | \$85.00 |
| Sieve Analysis | | \$200.00 |
| Tributyl Tin | | Quote |
| Ultimate Analysis | | \$140.00 |
| UV Abs. (SUVA, Specific) Analysis Package (UV254/PH/DOC) | SM 5910B, SM 5310C | \$100.00 |
| UV Absorbing Organics (UV254/PH) | SM 5910B | \$50.00 |

VII. SAMPLE PREPARATIONS

| Sample Preparations | Method | Price |
|---|---------------------------|----------------|
| Sample Composite | | \$10.00 |
| Sample Homogenization | | \$10.00 |
| Sample Filtration, Metals Analysis | | \$10.00 |
| Sample Digestion, Low Level Metals Analysis | | \$15.00 |
| Sample Preparation and Hold | | 50% Unit Price |
| STLC Extraction | CA WET | \$80.00 |
| DISTLC Extraction | CA WET (De-Ionized Water) | \$50.00 |
| TCLP Extraction | EPA 1311 | \$80.00 |
| | EPA 1311 (ZHE) | Quote |
| Turbidity Screen, Metals Analysis | SM 2130B | \$5.00 |

VIII. ANALYTICAL TEST PACKAGES

| General Packages | Price |
|---|--------------|
| Ag Suitability Analysis Package | \$120.00 |
| Anions, Standard List (Cl, F, NO ₂ , NO ₃ , SO ₄) by Ion Chromatography | \$70.00 |
| Aggressive Index (AI: PH/ALK/CA/MG) by Calculation | \$65.00 |
| Carbon Black Analysis Package | \$540.00 |
| Escrow Water Potability Package | \$105.00 |
| General Mineral (GM) Analysis Package (excl. Perchlorate) | \$150.00 |
| General Mineral (GM) Analysis Package (Solid) | \$160.00 |
| General Physical (GP) Package | \$40.00 |
| Hydrogen Sulfide (HS: S ₂ /PH/EC) by Calculation | \$50.00 |
| Inorganic Chemicals (IO) Analysis Package (excl. Asbestos) | \$180.00 |
| Inorganic Chemicals (IO) Analysis Package (excl. CN, Asbestos) | \$150.00 |
| Mass Balance Analysis Package | \$75.00 |
| Solids, Inorganic Dissolved (TDS, TFDS, TVDS) | \$35.00 |
| Standard Minerals (SM) | \$170.00 |
| Storm Water Analysis Package (PH/EC/TSS/TOC) | \$75.00 |
| Storm Water Analysis Package (PH/EC/TSS/1664) | \$100.00 |
| Storm Water Analysis Package (PH/EC/TSS/1664/TOC) | \$140.00 |

| Bottled Water Packages | Price |
|--|--------------|
| Title 21 (FDA Bottled Water) Dioxin, Phenolics, Radiochemistry | \$800.00 |
| Title 21 (FDA Bottled Water) Inorganics | \$455.00 |
| Title 21 (FDA Bottled Water) Inorganics (excl. DBPs) | \$300.00 |
| Title 21 (FDA Bottled Water) Organics | \$1,475.00 |

| Microbiology Packages | Price |
|---|--------------|
| Fecal Class A Analysis Package (Fecal-A, Solids) | \$70.00 |
| Fecal Class B Analysis Package (Fecal-B, Solids) | \$70.00 |
| Inhibitory Residue Analysis | \$500.00 |
| Water Quality Ratio | \$500.00 |
| Water Suitability (Microbiology Laboratory Water Quality) | \$770.00 |

| Drinking Water Packages | Price |
|---|------------|
| <i>Federal Drinking Water Programs</i> | |
| Disinfection Byproducts (THMs, HAAs, Oxyhalides) | \$370.00 |
| Lead, Copper Rule Analysis Package | \$34.00 |
| <i>California Drinking Water Programs</i> | |
| Title 22 (CA SDWA) GM/IO/GP (excl. Asbestos) | \$300.00 |
| Title 22 (CA SDWA) GM/IO/GP (excl. CN, Asbestos) | \$280.00 |
| Title 22 (CA SDWA) GM/IO/GP (excl. MBAS, Asbestos) | \$280.00 |
| Title 22 (CA SDWA) GM/IO/GP (excl. MBAS, CN, Asbestos) | \$260.00 |
| Title 22 (CA SDWA) Metals | \$200.00 |
| Title 22 (CA SDWA) Organics (excl. Dioxin) | \$1,475.00 |
| Title 22 (CA SDWA) Primary Inorganic Contaminants | \$445.00 |
| Title 22 (CA SDWA) Primary Organic Contaminants | \$2000.00 |
| Title 22 (CA SDWA) Secondary Table A Contaminants | \$335.00 |
| Title 22 (CA SDWA) Secondary Table B Contaminants | \$130.00 |

| Hazardous Waste Packages | Price |
|--|---|
| Metals (Dissolved, CAM 17 List) by ICP-MS | \$180.00 ⁽¹⁾ |
| Metals (STLC, CAM 17 List) by ICP-MS | \$180.00 ⁽¹⁾ |
| Metals (STLC, Toxic/RCRA 8 List) by ICP-MS | \$120.00 ⁽¹⁾ |
| Metals (TCLP, CAM 17 List) by ICP-MS | \$180.00 ⁽¹⁾ |
| Metals (TCLP, Toxic/RCRA 8 List) by ICP-MS | \$120.00 ⁽¹⁾ |
| Metals (Total, CAM 17 List) by ICP-MS | EPA 3010 Liquid Digestion \$180.00 EPA 3050 Solid Digestion \$190.00 |
| Metals (Total, Toxic/RCRA 8 List) by ICP-MS | EPA 3010 Liquid Digestion \$100.00 EPA 3050 Solid Digestion \$110.00 |
| RCRA Waste Characterization (Reactivity, Corrosivity, Ignitability, Toxicity) | Quote |
| <i>(1) Prices quoted do not include filtration or leachate extractions. See Sample Preparation Fees.</i> | |

| Wastewater Packages | Price |
|--|----------|
| Priority Pollutant Conventionals (40 CFR 122 List: CN, Phenolics) | \$100.00 |
| Priority Pollutant Metals (Total, 40 CFR 122 List) | \$145.00 |
| Priority Pollutant Metals (Total, CalTox List) | \$400.00 |
| Priority Pollutant Organics (40 CFR 122 List: Pesticides/VOCs/SVOCs) | \$475.00 |
| Priority Pollutant Organics (CalTox List, excl. 2,3,7,8-TCDD by 1613) | \$680.00 |
| Routine Effluent Package (BOD, TSS, pH, EC, Oil & Grease) | \$120.00 |
| 40 CFR 122 Table 1A Effluent Package (BOD, TSS, pH, Fecal Coliform) | \$80.00 |
| 40 CFR 122 Table 1 Effluent Package (NH3, Res. Cl2, DO, N, TKN, Oil & Grease, P, TDS) | \$325.00 |

IX. ADDITIONAL SERVICES

| Electronic Deliverables / Data Services | Price |
|---|----------------------|
| GC Chromatogram | \$20.00 |
| Standard EDD | No Charge |
| Standard EDD (requiring Valid Value List) | 5% of Invoice Total |
| Geotracker EDD | 15% of Invoice Total |
| SWAMP EDD | 15% of Invoice Total |
| Custom EDD Development | \$150.00 / Hour |
| Custom Report Format Development | \$75.00 / Hour |

| Non-Analytical and Sample Handling Services | Price |
|---|--------------------------------|
| Formal Internal Chain of Custody | 10% of Invoice Total |
| Sample Archival (Past Standard Retention Policy) | \$10.00 per month |
| Sample Collection / Transport - Hourly Rate | \$50.00 / Hour + \$0.65 / Mile |
| Sample Collection / Transport – Flat Rate [Region 1, 25 Mile Radius] | \$75.00 |
| Sample Collection / Transport – Flat Rate [Region 2, 50 Mile Radius] | \$100.00 |
| Sample Collection / Transport – Flat Rate [Region 3, 100 Mile Radius] | \$175.00 |
| Sample Disposal (Standard Waste Streams) | 3% of Invoice Total |
| Sample Disposal (Lab Pack / Ext. Hazardous) | 15% plus Disposal Cost |
| Sample Return to Client | \$5.00 |
| Site Specific QC (DUP/MS/MSD) | Unit Rate per QC Sample |
| Trip Blank (Volatiles, if analyzed) | Unit Rate |

| Personnel Rates | Price |
|---|------------------------------|
| Administrative / Secretarial | \$50 / Hour |
| Laboratory Technician | \$75 / Hour |
| Laboratory Chemist | \$100 / Hour |
| Laboratory Department / QA Manager | \$150 / Hour |
| Information Technologist / Technical Director | \$200 / Hour |
| Laboratory Director | \$200 / Hour |
| Deposition / Expert Witness / Court Testimony | Hourly Rate (4 Hour Minimum) |

| Expedited Turnaround (TAT) Schedule | Price |
|-------------------------------------|----------|
| Same Day | 300% |
| 1 Day | 200% |
| 2 Day | 100% |
| 3 Day | 50% |
| 5 Day | 25% |
| 7 Day | 10% |
| 10 Day | Standard |

X. DEFINITIONS

Analyte List Definitions

| | |
|------------------------------|---|
| Ag Suitability: | Alkalinity, B, Ca, Cl ⁻ , EC, Mg, NO ₃ , pH, Na, %Na, K, SO ₄ |
| BTEX: | Benzene, Toluene, Ethyl Benzene, Xylenes (o-Xylene, m,p-Xylene) |
| CAM 17 Metals: | Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn |
| Carbon Black: | % Ash, % Dust, % Moisture, Abrasion, Iodine Number, Particle Size |
| Disinfection Byproducts: | Trihalomethanes (EPA 524.2), Haloacetic Acids (EPA 552.2), Oxyhalides (EPA 300.1, EPA 317) |
| Escrow Water Potability: | Coliform (P/A), Nitrate (NO ₃), EPA 504.1 |
| Fecal Class A/B: | Fecal Coliform, Percent Solids |
| General Mineral (GM): | Alkalinity, HCO ₃ , Ca, CO ₃ , Cl ⁻ , EC, Cu, Hardness, OH ⁻ , Fe, Mg, Mn, Ag, pH, K, Na, SO ₄ , MBAS, TDS, Zn |
| General Physical (GP): | Color, Odor, Turbidity |
| Inorganic Chemicals (IO): | Al, Sb, As, Ba, Be, Cd, Cr, CN, F, Pb, Hg, Ni, NO ₃ , NO ₂ , Se, Tl |
| Mass Balance: | Alkalinity, Ca, Cl, F, K, Mg, Na, NO ₃ , SO ₄ |
| Oxygenates: | tert-Butyl Alcohol (TBA), Methyl-tert-butyl Ether (MTBE), Diisopropyl Ether (DIPE), Ethyl-tert-butyl Ether (ETBE), tert-Amyl Methyl Ether (TAME) |
| Primary Inorganics: | Al, Sb, As, Ba, Be, Cd, Cr, CN, F, Hg, Ni, NO ₃ , NO ₂ , Se, Tl, Asbestos, Perchlorate |
| Primary Organics: | EPA 504.1, 505, 515.3, 524.2, 525.2, 531.1, 547, 548.1, 549.2, 1613 |
| Priority Pollutant Metals: | Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn, [Cr+6, CalTox Only] |
| Priority Pollutant Organics: | EPA 608, 624, 625, [1613, CalTox Only] |
| RCRA Waste: | EPA 1010A/1030, 6010/6020, 7470/7471, 8081, 8082, 8141, 8151, 8260, 8270, 9030, SW846 Chap 7 (CN ⁻ , S ⁻²), 1311 Extraction |
| Secondary Table A: | Ag, Al, Cu, Fe, Mn, Zn, Color, Odor, Turbidity, MTBE (524.2), Thiobencarb (525.2) |
| Secondary Table B: | Ca, Mg, Na, Cl ⁻ , SO ₄ , pH, EC, Alkalinity (CO ₃ , HCO ₃ , OH ⁻), Hardness, |
| Standard Minerals (SM): | Alkalinity, NH ₃ , B, EC, Ca, Cl ⁻ , Hardness, Fe, Mg, NO ₃ , pH, K PO ₄ , Si, Na, SO ₄ , TDS |
| Title 21 Inorganics: | Alkalinity, Al, Sb, As, Ba, Be, BrO ₃ , Cd, Ca, Cl, Cl ₂ , ClO ₂ , ClO ₂ ⁻ , Cr, Color, Cu, CN, EC, F, Fe, Langelier Index, Pb, Mg, Mn, MBAS, Hg, Ni, NO ₃ , NO ₂ , Odor, pH, K, Se, Ag, Na, SO ₄ , TDS, Tl, Turbidity, U, Zn |
| Title 21 Organics: | EPA 504.1, 505, 515.3, 524.2, 525, 531.1, 547, 548.1, 549.2, 552.2 |
| Title 21 Radiochemistry: | Gross Alpha, Gross Beta, Radium 226, Radium 228, Uranium |
| Title 22 GM/IO/GP: | Alkalinity, HCO ₃ , Ca, CO ₃ , Cl ⁻ , EC, Cu, Hardness, OH ⁻ , Fe, Mg, Mn, Ag, pH, K, Na, SO ₄ , MBAS, TDS, Zn, Al, Sb, As, Ba, Be, Cd, Cr, CN, F, Pb, Hg, Ni, NO ₃ , NO ₂ , Se, Tl, Color, Odor, Turbidity |
| Title 22 Metals: | Al, Ag, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, Zn |
| Title 22 Organics: | EPA 504.1, 505, 515.3, 524.2, 525.2, 531.1, 547, 548.1, 549.2 |
| Toxic / RCRA 8 Metals: | As, Ba, Cd, Cr, Pb, Hg, Se, Ag |
| Water Suitability: | Water Quality Ratio, Cd, Cl ₂ , Cr, Cu, EC, HPC, NH ₃ , Ni, Pb, pH, TKN, TOC, Zn |

Abbreviations / Acronyms

| | |
|---------|--|
| CalTox: | California Toxics Rule |
| CAM: | California Assessment Manual |
| PRG: | Preliminary Remediation Goal |
| RCRA: | Resource Conservation and Recovery Act |
| STLC: | Soluble Threshold Limit Concentration |
| TCLP: | Toxicity Characteristic Leaching Procedure |
| WET: | Waste Extraction Test |
| WHO: | World Health Organization |

XI. BSK OFFICE LOCATIONS

Laboratory Locations

Fresno Analytical Laboratory

1414 Stanislaus Street
Fresno, CA 93706
(559) 497-2888 [main]
(559) 485-6935 [fax]
(800) 877-8310 [toll free]

Sacramento Microbiology Laboratory

3140 Gold Camp Drive #160
Rancho Cordova, CA 95670
(916) 853-9293 [main]
(916) 853-9297 [fax]
(800) 366-1871 [toll free]

Visalia Laboratory Drop-Off

Co-located at Barnes Welding Supply
2239 E. Main Street
Visalia, CA 93292

Engineering Offices

Bakersfield Engineering

700 22nd Street
Bakersfield, CA 93301
(661) 327-0671 [main]
(661) 324-4218 [fax]
(800) 366-0671 [toll free]

Fresno Engineering

567 W Shaw Ave, Suite B
Fresno, CA 93704
(559) 497-2880 [main]
(559) 497-2886 [fax]
(800) 669-3201 [toll free]

Fresno Construction Services

1415 Tuolumne Street
Fresno, CA 93706
(559) 497-2868 [main]
(559) 485-6140 [fax]

Pleasanton Engineering

1181 Quarry Lane #350
Pleasanton, CA 94566
(925) 462-4000 [main]
(925) 462-6283 [fax]
(800) 938-3784 [toll free]

Sacramento Engineering

3140 Gold Camp Drive #160
Rancho Cordova, CA 95670
(916) 853-9293 [main]
(916) 853-9297 [fax]
(800) 366-1871 [toll free]

XII. STANDARD TERMS AND CONDITIONS

1) PRICES AND TAXES

- a. Prices are exclusive of federal, state, and local taxes, fees or charges now in force or enacted in the future.

2) SHIPMENT

- a. BSK Associates (LABORATORY) will deliver completed reports by one of more of the following means: U.S. First Class mail, standard ground service carrier (i.e. UPS Ground, FedEx Ground, etc.), electronic mail (via Adobe PDF®), or post to the LABORATORY data portal. Shipping charges, where applicable, will be included with all sample prices. LABORATORY will expedite mailing of hardcopy deliverables at CLIENT's request and at CLIENT's expense.

3) TERMS OF PAYMENT

- a. Terms are net thirty (30) days. Amounts past due will be subject to a monthly charge at the rate of one and one half percent (1.5%) per month to cover the costs of servicing these accounts.
- b. Orders from customers with invoices that are sixty (60) days or more overdue (i.e., not paid within 60 days of invoice date) will be accepted only on a C.O.D., cash or credit card with order basis until credit can be re-established to LABORATORY's satisfaction. LABORATORY reserves the right to withhold reports, if currently under progress, if a CLIENT fails to pay on any invoice beyond 60 days. Unpaid invoices more than ninety (90) days overdue may be subject to collections at the sole discretion of the LABORATORY.

4) DELIVERY OF SERVICES

- a. Completion of any services purchased is subject to LABORATORY availability schedule. LABORATORY shall make every reasonable effort to meet any completion date(s) quoted or acknowledged. However, LABORATORY will not in any way be liable for damages caused by its failure to meet such date(s)
- b. Standard turnaround (TAT) for laboratory services is 10 business days. All TAT schedules may not be available for all test methods. Please contact the laboratory if you have specific turnaround requirements. Results are considered due out of the lab by closed of business on that day. Unless arranged otherwise with the laboratory, samples for 2 or less day turnaround must be received by noon for the lab to include the day received in determination of the due date.
- c. LABORATORY will use, where applicable, standard testing procedures that conform to published analytical methodologies. LABORATORY reserves the right to make changes or alter these methodologies if necessary due to composition or nature of the sample or based upon the reasonable judgment of the LABORATORY. Such deviations will be made on the basis consistent with either industry standards or according to the LABORATORY's Standard Operating Procedures.
- d. Verbal and/or preliminary results may be given in advance to the final written report of results. Such verbal or preliminary results are tentative results only and are subject to change or confirmation based upon LABORATORY quality assurance review procedures. LABORATORY shall not be liable in any way for damages incurred by CLIENT as a result of CLIENT's reliance on such verbal or preliminary results.
- e. LABORATORY reserves the right to subcontract services ordered by the CLIENT if it is in the CLIENT's best interest to do so in a manner consistent with our Subcontract Policy (see below). LABORATORY shall not be liable in any way for subcontracted services except as stated in section 4a, above, and 5a, following, unless other arrangements have been made in writing with LABORATORY prior to sample delivery.
- f. All results provided by LABORATORY are strictly for the use of the CLIENT and LABORATORY is in no way responsible for use of such results by the CLIENT or third parties. All results should be considered in their entirety and LABORATORY is not responsible for the detachment, separation or other use of any portion of the results. Unless otherwise agreed in writing, all documents and information prepared by LABORATORY or obtained by LABORATORY from any third party in connection with the performance of the Services are the property of LABORATORY
- g. The CLIENT represents and warrants that any sample delivered to LABORATORY will be preceded by or accompanied by complete written disclosure of the existence of any Title 22 CAC listed hazardous substances known or suspected by the CLIENT. The CLIENT further warrants that any sample known to contain any hazardous substance(s) that is to be delivered to LABORATORY will be packaged, labeled, transported and delivered properly and in accordance with applicable laws.
- h. LABORATORY will retain pertinent records relating to the services performed for a period consistent with the Laboratory's record retention policy. During this period the records will be made available to CLIENT for listed archive retrieval fees at reasonable times.
- i. LABORATORY liability is specifically limited as stated in Section 5. LABORATORY shall not be responsible nor liable in any way for the following:
 - i. The method or methods by which samples are collected or obtained, transported, labeled or delivered by CLIENT or CLIENT's agents.
 - ii. The evaluation, reporting, or use by CLIENT or any third party, or the interpretation of any data, reports or findings given by LABORATORY to CLIENT.
 - iii. The retention, return and/or preservation or disposal of any sample after the analysis is completed.

5) ALLOCATION OF RISK

- a. *Limitation of Liability.* The total cumulative liability of LABORATORY, its subcontractors, and all of their respective shareholders, directors, officers, employees and agents (collectively "LABORATORY Entities") to CLIENT arising from Services under this Agreement, including attorney's fees due under this Agreement, will not exceed the gross compensation received by LABORATORY under this Agreement or \$50,000, whichever is less; provided, however, that such liability is further limited as described below. This limitation applies to all lawsuits, claims or actions that allege errors or omissions in LABORATORY's Services, whether alleged to arise in tort, contract, warranty, or other legal theory, including any claim based on the indemnification clauses below.
- b. Indemnification
 - i. *Indemnification of CLIENT.* Subject to all otherwise applicable statutes of limitations and repose and the provisions and limitations of this Agreement, LABORATORY agrees to indemnify and hold harmless CLIENT, its shareholders, officers, directors, employees, from and against any and all claims, suits, liabilities, damages, expenses (including reimbursement of reasonable attorney's fees and costs of defense) or other losses (collectively "Losses") to the extent caused by LABORATORY's negligent performance of its Services under this Agreement. LABORATORY's defense obligation under this indemnity paragraph includes only the reimbursement of reasonable defense costs to the extent of LABORATORY's actual indemnity obligation hereunder.
 - ii. *Indemnification of LABORATORY.* CLIENT will indemnify and hold harmless LABORATORY Entities from and against any and all Losses to the extent caused by the negligence of CLIENT, its employees, agents and contractors. In addition, except to the extent caused by LABORATORY's sole negligence, CLIENT expressly agrees to defend, indemnify and hold harmless LABORATORY Entities from and against any and all Losses arising from or related to the existence, disposal, release, discharge, treatment or transportation of Hazardous Materials, or the exposure of any person to Hazardous Materials, or the degradation of the environment due to the presence, discharge, disposal, release of or exposure to Hazardous Material.
- c. *Consequential Damages.* Neither CLIENT nor LABORATORY will be liable to the other for any special, consequential, incidental or penal losses or damages, including but not limited to losses, damages or claims related to the unavailability of property or facilities, shutdowns or service interruptions, loss of use, profits, revenue, or inventory, or for use charges, cost of capital of the other party or its customers.
- d. *Continuing Agreement.* The indemnity obligations and the limitations of liability established under this Agreement will survive the expiration or termination of this Agreement. If LABORATORY provides Services to CLIENT that the parties do not confirm through execution of an amendment to this Agreement, the obligations of the parties to indemnify each other and the limitations on liability established under this Agreement apply to such Services as if the parties had executed an amendment.

6) EXPERT WITNESS

- a. In the event that LABORATORY personnel are required by any party to serve as expert witness with respect to any analytical work performed, the contracting party will reimburse LABORATORY for all costs associated with such testimony, including but not limited to the time involved in preparing for and in actually testifying; and the cost of any materials including photocopies, magnetic tapes, floppy diskettes, optical media, etc.

7) BANKRUPTCY

- a. If CLIENT becomes bankrupt or insolvent, or commences ending of its business, LABORATORY will be entitled by notice in writing to cancel this contract without judicial intervention or declaration of default of CLIENT.

8) ENTIRE AGREEMENT

- a. The terms and conditions set forth herein constitute the entire agreement between LABORATORY and CLIENT.
- b. This contract may not be modified, supplemented, qualified or interpreted by any trade usage or prior course of dealing not made a part of the contract.
- c. CLIENT hereby acknowledges that he has not entered into this agreement in reliance upon any warranty or representation by any person or entity except for the warranties or representation specifically set forth herein.

9) WAIVER

- a. The failure by LABORATORY to enforce at any time any of the provisions of this contract, to exercise any election or option provided herein, or to require at any time the performance by CLIENT of any of the revisions herein will not in any way be construed as a waiver of such provisions.

10) ERRORS

- a. Stenographic and clerical errors in sales made under this contract are subject to correction.

11) APPLICABLE LAW, JURISDICTION AND VENUE

- a. This contract will be governed by the laws of the State of California. The California state courts of Fresno County, California (or, if there is exclusive federal jurisdiction, the United States District Court for the Northern District of California) will have exclusive jurisdiction and venue over any dispute arising out of this agreement and sale, and CLIENT hereby consents to the jurisdiction of such courts.

12) ATTORNEYS' FEES

- a. It is agreed that the prevailing party shall be entitled to recover reasonable attorney's fees and costs incurred in connection with the enforcement or interpretation of this agreement should be filed, and a judgment be made.

13) CONFIDENTIALITY POLICY

- a. It is the policy of BSK Associates to only convey analytical results to those individuals whose name or company name appear on the Chain of Custody or a preauthorized established agent. Exceptions are persons listed as “copy to”, persons whom verbal permission from the CLIENT is obtained, regulatory agents who have specific information such as date sampled or submission number, and drinking water results reported to the Department of Health Services as required by law. BSK Associates will not be liable for misrepresentation or intentional fraud by individuals requesting results.

14) SUBCONTRACT POLICY

- a. BSK Associates shall analyze all samples, as requested by the CLIENT, in accordance with the Chain of Custody record. Subcontracting of samples may occur under any of the following circumstances; the analysis is not performed routinely by BSK Associates and is a well-known subcontracted test, instrument breakdown or analyst is not available, lack of instrument time, hold time or CLIENT requested turnaround time cannot be met, and method demands such as analytes or detection limits cannot be achieved. Only labs with the proper certifications will be used. BSK Associates will make a concerted effort to notify the CLIENT in writing, when samples will be subcontracted other than routinely subcontracted analysis. Results shall be reported on the subcontract laboratory’s own letterhead or the subcontract lab will be identified except when state forms are required.

15) ACCEPTANCE OF TERMS AND CONDITIONS

- a. Submission of samples for analysis under Chain of Custody with authorizing signature shall be considered the acknowledgement and acceptance of these Terms and Conditions on the part of the CLIENT.