

**2025 List of Capabilities (Updated 1.2.2025)****Drinking Water**

Method / Analysis	Description
508	Low Level OC Pesticides and PCBs by L-LE and GC-ECD
515.3	OC Acidic Herbicides by L-LE, Derivatization & GC-ECD
524.2	TTHMs (Total Trihalomethanes) by P&T and GC-MS
524.3	VOCs by P&T and GC-MS
524.3	VOCs by P&T and GC-MS, Open Scan (+ \$15 Per identified peak)
524.2 SRL524m	1,2,3,TCP by SRL524m (low level 0.005 µg/L)
524.3	EDB & DBCP by GC-MS
524.3	TTHMs (Total Trihalomethanes) by P&T and GC
525.2	ON/P Pesticides by L-LE and GC-NPD
525.2	SVOCs by L-SE and GC-MS
525.3	SVOC by SPE and GC-MS *Excluding Toxaphene
525.3	SVOC by SPE and GC-MS *Including Toxaphene
531.1	Carbamates by HPLC w/ Derivatization
547	Glyphosate by HPLC w/ Derivatization
548.1	Endothall by GC-MS
549.2	Diquat and Paraquat by LSE and HPLC
550.1m	Nonylphenol by SPE and HPLC
552.3	HAAs Haloacetic Acids

PFAS

Method / Analysis	Matrix	Description
533	Drinking Water	Per- and polyfluorinated alkyl substances PFAS by SPE and LC/MS/MS 25 compounds
537.1	Drinking Water	Per- and polyfluorinated alkyl substances PFAS by SPE and LC/MS/MS 18 compounds
1633	Waste Water, Soil, Solids, Tissue	Per- and polyfluorinated alkyl substances PFAS by SPE and LC/MS/MS 43 compounds
DOD	Waste Water, Soil, Solids	Per- and polyfluorinated alkyl substances PFAS by SPE and LC/MS/MS- 42 compounds

Residential Drinking Water Packages

Package	Description
Package #1	Total Coliform and E.Coli P/A, Nitrate, Nitrite, Fluoride, TDS, pH, Al, Pb & Cu
Package #2	Total Coliform and E.Coli Enumeration, Nitrate, Nitrite, Fluoride, Bromide, Chloride, Orthophosphate, Sulfate, TDS, pH, Sb, As, Ba, Br, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn, Conductivity, Hardness, Turbidity, & Alkalinity (speciated)
Package #3	Total Coliform and E.Coli Enumeration, Nitrate, Nitrite, Fluoride, Bromide, Chloride, Orthophosphate, Sulfate, TDS, pH, Al, Sb, As, Ba, Br, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn, Conductivity, Hardness, Turbidity, & Alkalinity (speciated), VOC's, Odor & Color.
Irrigation	Alkalinity (speciated), TDS, Hardness, Ca, Mg, Na, K, B, pH, SC, Sodium Absorption Ratio (SAR)



2025 List of Capabilities (Updated 1.2.2025)

Ion Chromatography

Method / Analysis	Description
218.6	Chromium VI by IC (Requires Field Filter – Price includes Filter Kit)
218.6 – DISTLC, Solids	Chromium VI by IC using DISTLC (Price includes extraction fee)
218.7 – DW	Chromium VI by IC (Requires Field Filter – Price includes Filter Kit)
300.1 / 300.0 – W, S	Common Anions: Cl, Br, SO ₄ , F, NO ₃ as N, NO ₂ as N, PO ₄ -3 as P
300.1 / 300.0-Water	Uncommon Inorganic Anions: I-, S ₂ O ₃ -2, SCN-, IO ₃ -, SO ₃ -2, etc.
300.1– Water, DBP	CIO ₂ - (Chlorite), CIO ₃ - (Chlorate), BrO ₃ - (Bromate), Br- (0.005 µg/L)(Disinf by product)
300.1m – VFA	Volatile Fatty Acids: Formic Acid
314.0	Perchlorate (CIO ₄) by IC
7199	Chromium VI by IC; 3060A TTLC (low level, 0.2 mg/Kg)

Effluent Water Chromatography

Method / Analysis	Description
608.3	OC Pesticides and PCBs by L-LE and GC-ECD (w/ Florisil clean up)
608.3	OC Pesticides and PCBs by L-LE and GC-ECD (low level, 0.001 µg/L w/ clean up)
608.3	PCBs by L-LE and GC-ECD (w/ Florisil clean up)
610	PAHs/ PNAs by L-LE and HPLC
610	PAHs/ PNAs by L-LE and HPLC (low level, 0.004 µg/L)
614	Organophosphorous Pesticides by GC-MS
624.1	VOCs by P&T and GC-MS excluding Acrolein, Acrylonitrile, & 2-CEVE
624.1	Acrolein, Acrylonitrile & 2-CEVE by P&T and GC-MS
624.1	HVOCs and/or Aromatics by P&T and GC-MS
624.1	TTHMs (Total Trihalomethanes) by P&T and GC-MS
624.1	TICH by 624 (Total Identifiable Chlorinated Hydrocarbons)
625.1	SVOCs by L-LE or SPE and GC-MS
625.1	PAHs/ PNAs and Phenols by L-LE or SPE and GC-MS
625.1	Phenols by L-LE or SPE and GC-MS
625.1	PAHs/ PNAs by L-LE or SPE and GC-MS
1613	2,3,7,8-TCDD by HRGC-HRMS
1613	Full List Dioxins & Dibenzofurans by HRGC-HRMS
1668	PCBs by HRGC-HRMS, 12 Dioxin-like WHO Toxic Congeners
1668	PCBs by HRGC-HRMS, 40 or 66 Effluent Congeners
1668	PCBs by HRGC-HRMS, Full 209 Congeners
BAAQMD 33	CS ₂ Extractable C8-C14 Compounds by GC-FID
Pyrethroids	Pyrethroids by GC-MS based on 625.1 –CVWQCB compliant
RSK 175	Dissolved Gases by RSK 175m (methane, ethane, ethene)
RSK 175 CO ₂	Dissolved Carbon Dioxide by RSK 175

Hazardous Waste, Soils, Groundwater Chromatography

Method / Analysis	Description
547m	Glyphosate by HPLC w/ Derivatization (Soils)
8015B/ m	TPH Fuel Finger Print (quantitative & qualitative) by Direct Injection GC-FID
8015B/m	TPH Multi- Range (g, d, mo, C:6-C:36) by Direct Injection GC-FID
8015B/m	TPH Multi- Range (Large Volume) (g, d, mo, C:6-C:36) by Direct Injection GC-FID
8015B / 8021B	TPH(g, ss, ag) - BTEX by P & T and GC-FID/PID
8015B	TPH(d, mo, k, jf, bo, other) by Direct Injection GC-FID
8015B	TPH (Large Volume) (d, mo, k, jf, bo, other) by Direct Injection GC-FID
8081B	OC Pesticides by GC-ECD
8081B	OC Pesticides by GC-ECD (low level; ESLs) *Clean Up fee included
8081B / 8082A	OC Pesticides + PCBs by GC-ECD
8081B / 8082A	OC Pesticides + PCBs by GC-ECD (low level; ESLs) *Clean Up fee included



2025 List of Capabilities (Updated 1.2.2025)

8082A	PCB Aroclors Only by GC-ECD
8082A	PCB Aroclors Bulk Material (50PPB L)*Clean up fee included
8082A	PCB Aroclors in Waste Oil by GC-ECD w/ Clean Up (2 mg/L RL) *Clean Up fee included
8141A	ON/P Pesticides by GC-NPD. Analyzed by E8270 GC-MS
8151A	OC Acidic Herbicides by GC-ECD
8260D	VOCs by P&T and GC-MS excluding Acrolein, Acrylonitrile, & 2-CEVE
8260D	Acrolein, Acrylonitrile & 2-CEVE by P&T and GC-MS
8260Dm	1,4-Dioxane by GC-MS, RL: W = 0.5 µg/L & S = 0.02 mg/kg
8260D	TPH Gas and VOCs by P&T and GC-MS excluding Acrolein, Acrylonitrile, & 2-CEVE
8260D	TPH Gas & VOCs & 7 oxys P&T GCMS excluding Acrolein, Acrylonitrile, & 2-CEVE
8260D	HVOCs and/or Aromatics by P&T and GC-MS
8260D	MBTEX / MTBE by P&T and GC-MS
8260D	Single Compound reported from standard VOC list (1-4 compounds)
8260D	Oxygenates ± EDB-12DCA by P&T and GC-MS
8260D	VOCs by P&T and GC-MS, Open Scan (+ \$15 per identified peak)
8270E	Phenols Only by GC-MS
8270E	PNAs / PAHs Only by GC-MS SIM Mode
8270E	SVOCs by GC-MS
8270E	SVOCs by GC-MS (low level; ESLs) *Clean Up fee included
8270E	SVOCs by GC-MS, \$60 Open Scan (+ \$15 per identified peak)
8290A	2,3,7,8-TCDD by HRGC-HRMS
8290A	Full List Dioxins & Dibenzofurans by HRGC/HRMS
8310	PNAs / PAHs by HPLC
8310m / SM 10200	Chlorophyll a & b by HPLC (Water and Liquid samples only)
8315A	Carbonyls by HPLC
8315A	Formaldehyde by HPLC (Water samples only)
8315A	Acrolein & 3-Hydroxypropanal by HPLC w/ Field Derivatization (SFEI 108)
8316	Acrylamide, Acrylonitrile and Acrolein by HPLC
8318	Carbamates by HPLC
8330	Nitroaromatics & Nitramines (explosives) by HPLC

Metals

+Groups / Analysis	Description
200.8/6020A (ICP-MS), 200.7/6010C (ICP-OES), 245.2/7470 (CV Hg), 1631E (CVAF Hg), NIOSH	
CAM17 (6020/200.8)	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, Tl, V, Zn
CAM17 (6020/7471B 200.8/245.2)	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, Tl, V, Zn
503 Metals (Biosolids)	As, Cd, Cr, Cu, Pb, Hg, Mo, Ni, Se, Zn
PP13	Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl, Zn
RCRA8	Ag, As, Ba, Cd, Cr, Hg, Pb, Se
LUFT5	Cd, Cr, Ni, Pb, Zn
ICP / ICP-MS, Common Metal	Ex, Al, Ag.; generally, special extraction cost is additional – see Extractions
ICP / ICP-MS, Uncommon Metal	Ex, Au, S, P.; generally, special extraction cost is additional – see Extractions
Hg by CVAF	Hg (1631E)
Hg by CVAA	Hg (245.2, 7470A, 7471B)
Ferrous Iron	SM 3500Fe B4c (Spectroscopy)
Methyl Mercury	E1630



2025 List of Capabilities (Updated 1.2.2025)

Solids

Method / Analysis	Description
Asbestos CARB 435	Asbestos 400 point count (.25%RL) by CARB 435
Asbestos CARB 435	Asbestos 1000 point count (.1%RL) by CARB 435
Chlorine in Oil	EPA 9075, Quantitative XRF analysis for chlorine in oil. Meets Total Halogen Requirements
Crystallite Size Analysis	ASTM D5187, XRD Analysis of Crystallite Size
FTIR for Plastics and Polymer ID	ASTM E1252-98; FTIR ID of plastics and polymers. plastics, polymers, oils, solids, unknown liquids, solids, powders
Microscopic Examination	Optical Examination of sample; includes narrative
Particle Size / Grain Size	ASTM D4464, Particle Size and Distribution by laser diffraction analysis, .02-2000 microns
Particulates, Total / Respirable	NIOSH N500m and N600m (AIHA Certified)
Respirable Silica	NIOSH N7602m (AIHA Certified)
XRD for Solids ID	Crystalline Solids ID using Powder, Micro-focus or High Angle XRD by USGS OFR 01-041
XRF on Solids Composition	Semi Quant XRF scan for gross element composition (Na-U)
Microplastics	Basic FTIR analysis of water or solids, reports number and type of microplastics >50 microns

Microbiology

Method / Analysis	Description
Aerobes	SM9215AC (SP)
Anaerobes	SM9215ABm (SP)
Coliforms, Total & E Coli (+/-)	SM9223 B (EST), Idexx Colilert
Coliforms, Total & E Coli (Enum)	SM9223 B (EST), Idexx Quanti Tray
Coliforms, Total & E Coli	SM9221 BF (MTF) for Drinking Water
Coliforms, Total & E Coli, Biosolids	SM9223 B (EST – Idexx Colilert); SM9221 B (MTF/MPN); for Sewage/Bio-Solids, 2-4 tray test
Coliforms, Total & E Coli & FC	SM9221BEF (MTF) for Drinking, Recreational & Waste Waters
Total Coliforms only	SM9222 B (MF) for Drinking, Recreational & Waste Waters
E Coli	9221BF (MTF)
Fecal Coliform (Soil)	SM9221E2C
Fecal Coliform	SM9221 E (MTF/MPN); SM9222 D (MF)
Fecal Coliform (+/-)	SM9221 E (MTF/MPN)
Enterococci	Idexx Enterolert (EST) SM9230 D
Enterococci	SM9230 B (MTF/MPN)
Fecal Streptococci	SM9230 B (MTF/MPN)
Fungi, Mold, Yeast	SM9610B
Heterotrophs (HPC)	Idexx Simplate; SM9215 AC (SP); SM9215 AB (PP)
Heterotrophs (HPC), Biosolids	Idexx Simplate; SM9215 C (Spread Plate); SM9215 B (Pour Plate)
Inhibitory Residue	SM9020B
Iron Related Bacteria	SM9240D.1 (BART = Biological Activity Reaction Test)
Legionella (+/- or En)	CDC Legiolert Method 01/2005-SM9260J (MF-PP)
Microbiologically Influenced Corrosion	Microbiologically Influenced Corrosion (MIC) *Sample Kit not Included
Pseudomonas Aeruginosa	Pseudolert (EST)
Salmonella	SM9260B - E1682 (Plate) FDA BAM
Staphylococcus Aureus	SM9213B - FDA BAM
Sulfate Reducing Bacteria	SM9240D - SM9240D.4a1
Water Suitability	SM9020B

Wet Chemistry & Oil and Grease

Method / Analysis	Description
TRPH by IR w/ S.G.CU	418.1, Total Recoverable Petroleum Hydrocarbon by IR w/ Silica Gel Clean Up
Total Oil & Grease ± S.G.	9071B, Total Oil & Grease ± Silica Gel Clean Up Soil
HEM, Oil and Grease ± S.G.	1664A, HEM, Oil & Grease ± Silica Gel Clean Up Water
Acidity	SM2310 B



2025 List of Capabilities (Updated 1.2.2025)

AGP, ANP, NNP	EPA 600/2-78-054, Acid Generating Potential, Acid Neutralizing Potential, Net Neutralization Potential
Alkalinity, total, speciated	SM2320 B
Ammonia as N, Colorimetry	350.1 / SM4500-NH3 BG
Ammonia as N, unionized (free)	350.1
Ammonium	E350.1m
Ash (%)	Percent ash by ASTM D2974
BOD / cBOD	SM5210 B; Biochemical Oxygen Demand, carbonaceous BOD, 5 Day Test
B S & W, approximate	ASTM D 1796m-11; Bottom Sediments & Water as Approximate Vol. Phase Proportions
Carbon, DOC	415.3 / SM5310 B; Dissolved Organic Carbon
Carbon, IC	415.3 / SM5310 B; Inorganic Carbon (= Σ CO _{2,aq} + HCO ₃ ⁻ + CO ₃ ⁻²)
Carbon, TC	415.3 / SM5310 B / 9060A; Total Carbon
Carbon, TOC	415.3 / SM5310 B / 9060A; Total Organic Carbon
Chlorine, residual / total	SM4500-Cl E / SM4500G (Free & Total Cl)
Chlorine, specific form (Chloramine)	SM4500-Cl G DPD Colorimetric
COD	410.4 / SM5220 D; Chemical Oxygen Demand
Color, Apparent	SM2120 B / E110.2 for DW or WW / Apparent / Non-filtered
Color, True	SM2120 B / E110.2 for DW or WW True / Filtered
Conductivity	Conductivity, Resistivity & Salinity SM2510 B
Corrosivity	pH, corrosivity = pH >2 and pH <12.5, included in RCI
Cyanide, Amenable	9012C / SM 4500-CN G; includes Total Cyanide results
Cyanide, Total, Auto Distillation	Kelada-01 / 335.4 / 9012A / SM4500-CN- CE
Cyanide, WAD	Kelada-01 / SM4500-CN- CE; Buffered Weak Acid Dissociable Cyanides
Density	ASTM D1475, ASTM D2397m
Dissolved O2	SM 4500-O G
Flashpoint of Liquids	SW1010, included in RCI (Liquid/Oil/Water)
Foaming Agents (surfactants), anionic	SM5540 C (MBAS)
Hardness	SM2340 B & 200.7 by ICP / ICPMS
Hardness by Titration	SM2340 C by Titration
Hydrogen Peroxide	USP Titanium Oxylate Spectrophotometric method
Ignitability of Solids/Soils	SW1030 (included in RCI)
Moisture Content of Soils	ASTM D2216-05, ASTM D2974, for organic matter & ash determinations
Nitrate + Nitrate by Cd reduction	353.2 / SM4500NO3 F; NO ₃ +- NO ₂ by Cd reduction
Nitrogen, Organic	351.2 + 350.1 / SM4500-Norg AD + SM4500-NH3 FG; Organic Nitrogen as N (= TKN - Ammonia)
Nitrogen, TKN	351.2 ;TKN = Total Kjeldahl Nitrogen as N
Nitrogen, Total (TOC)	415.3m / 9060Am; Total Nitrogen by combustion & Chemiluminescence / TCD
Odor	SM2150 B
Odor with Dechlorination	SM2150 B
Organic Matter	Percent Organic Matter by ASTM D2974
ORP	SM2580 B, Oxidation-Reduction Potential
Paint Filter Test	SW9095A
pH	150.1 / 9045B / 9045D / SM4500H+ B
pH, field	SM4500H+ B, onsite pH measurement
Phenolics, Total	420.4 / 420.1
Phosphorous, Dissolved	365.1, 365.3, Dissolved Phosphorous as P
Phosphorous, Organic	365.1, 365.3Organic (Total - Ortho - Hydrolyzable) Phosphorous as P
Phosphorous, Ortho	365.3 / Ortho Phosphorous as P (used when IC is inapplicable)
Phosphorous, Total	365.1, Total Phosphorous as P
Reactive Cyanide	SW9010, included in RCI, Positive or Negative
Reactive Sulfide	SW9030, included in RCI, Positive or Negative
RCI	Reactivity, Corrosivity & Ignitability
Salinity	SM2520, Salinity by conductivity
Silica, Reactive	SM4500-SiO2 D
Solids, Total (TS)	SM2540B for Liquids, see Moisture for Solids
Solids, Dissolved (TDS)	SM2540C, Total Dissolved Solids
Solids, Suspended (TSS)	SM2540D, Total Suspended Solids
Solids, Total Volatile or Fixed	SM2540E, SM2540G Total Volatile or Fixed (TVS, TFS) Solids



2025 List of Capabilities (Updated 1.2.2025)

Solids, Total Volatile Diss/Fixed	SM2540E, SM2540G for Solids (TVDS, TFDS)
Solids, Volatile or Fixed(Suspended)	SM2540E, SM2540G for Solids (TVSS, TFSS)
Solids, Settleable (SS)	SM2540F
Specific Gravity	ASTM D1475, ASTM D2397m
Sulfide, aqueous	SM4500-S-2 D
Sulfide, solids	SM4500-S-2 D & 9030B; Acid Soluble or Acid Insoluble Sulfides
Sulfite by Titration	SM4500-SO3-2 B
Turbidity	180.1 / SM2130 B
UV254	SM5910 B
UV Scan	MAI Full Spectrum Scan
Water Content	Karl Fischer, SW9000, Water Content of Liquids
Vapor Pressure, Reid	ASTM D323, BAAQMD 28 (Requires Storage Temperature)
VCC of Coatings	ASTM D2369
Visual Estimate of Particle Size	ASTM E112-13; for granular matrices

Air Testing

Method/ Analysis	Description
Air Sampling Pump Rentals	Low (0.05 - 0.2L/min) or high (1-5 L/min) flow
Helium	ASTM D 1946-90 (Tedlar or summa, summa can extra if not part of TO-15)
Helium Leak Check	TO-15 Helium Leak Check
Helium Shroud	Helium Shroud Rental
Hexachrome, Particulates	NIOSH 7605m by IC (Filter) (AIHA certified)
Hydrocarbons, Light	ASTM D 1946-90 / EPA 3C by GC- FID (methane, ethane, ethene, acetylene) (Tedlar / Summa; Summa same price as Tedlar if TO-15 requested)
Hydrogen	ASTM D 1946-90 / EPA 3C by GC-PDD (H2) (Tedlar, Summa)
LEED Gases - Indoor	VOCs + Formaldehyde + 4-PCH + CO from summa
Light Gases, Atmospheric	ASTM D 1946-90 / EPA 3C by GC-PDD / TCD (O2, N2, CO, CO2.) (Tedlar / Summa; Summa same price as Tedlar if TO-15 requested)
Metals, Particulates	NIOSH 7303m by ICP-MS (Filter) (AIHA certified)
OP Pesticides	NIOSH 5600m (ST, pricing includes tubes)
Organic Lead	NIOSH 2534m (Tetramethyl & Tetraethyl Lead) by GC (ST, pricing includes tubes)
Particulates, Respirable	NIOSH 0600m (AIHA certified)
Particulates, Total	NIOSH 0500m (AIHA certified)
PCBs	NIOSH 5503m by GC-ECD (ST)
Phenols	NIOSH 2546m by GC-MS SIM mode (ST)
Silica	NIOSH 7602m, Crystalline Silica by IR (Bulk pricing available) (AIHA certified)
TO17 VOCs	TO-17, Soil gas by GC_MS (ST)
TPH (g/d)	NIOSH 1550m by GC-FID (ST)
TPH (g/d)	TO-17m (ST) TPH gas and Diesel
TPH(g) Fractionated	MA DEP APH by GC-MS (Summa); ali-aro frac. of vapor phase TPH
VOCs indoor air	TO-15, indoor air by GC-MS, RL= 0.1ppbv (6L Summa)
VOCs soil gas	TO-15, soil gas by GC-MS (1L Summa)
VOCs +- TPH(g) soil gas	TO-15, soil gas by GC-MS (Summa)
VOCs +- TPH(g) soil gas	TO-15, soil gas by GC-MS (Tedlar)
VOCs +- TPH(d) soil gas	TO-17, soil gas by GC-MS (ST)
VOCs, IPA only	TO-15, IPA only for soil gas from Tedlar by GC-MS; Client / Lab supplied Tedlar
VOCs +- TPH(g) SCAN-SIM, indoor air	TO-15, indoor air by GC-MS, RL= 0.1ppbv (Summa), SIM mode for TO-15 compounds having ESL indoor air limits < 0.1 ppbv



2025 List of Capabilities (Updated 1.2.2025)

McC Campbell Proprietary Methods

Method / Analysis	Description
Alcohols	Alcohols by Derivitization & HPLC
Amines	Amines & Protonatable Nitrogenous Compounds by LCMS
Epichlorohydrin	Epichlorohydrin by Derivitization & HPLC
Ethylene Glycol	Ethylene Glycol by Derivitization & HPLC
Flumioxazin	Flumioxazin by LCMS (Water Only)
Imazamox	Imazamox by HPLC (Water Only)
Organic Acids	Various Organic Acids by HPLC-UV
Organic Lead, speciated	Tetramethyl & Tetraethyl Lead by GC (RL: S = 0.005 mg/Kg / W = 125 ppt)
Organic Tin, speciated	Mono-, Di-, Tri- & Tetra-Butyl Tin by GC-MS
Mesotrione	Mesotrione by LCMS

Aquatic Toxicology

Test Method	Test Organism	Description
Hazardous Waste Bioassay (CDEFG 1988)	Fathead Minnow (<i>Pimephales promelas</i>)	CA Title 22 Hazardous Waste 96h LC50 Screen
		CA Title 22 Hazardous Waste 96h LC50 Definitive
EPA 2000.0	Fathead Minnow (<i>Pimephales promelas</i>)	Acute 96hr Static Non-Renewal 100% Concentration Only
		Acute 96hr Static Renewal 100% Concentration Only with a 48hr Renewal
		Acute 96hr Static Renewal 100% Concentration Only with Daily Renewals
		Acute 96hr Static Renewal Dilution Series with a 48hr Renewal
EPA 2019.0	Rainbow Trout (<i>Oncorhynchus mykiss</i>)	Acute 96hr Static Non-Renewal 100% Concentration Only
		Acute 96hr Static Renewal 100% Concentration Only with a 48hr Renewal
		Acute 96hr Static Renewal 100% Concentration Only with Daily Renewals
		Acute 96hr Static Renewal Dilution Series with a 48hr Renewal
EPA 2004.0	Sheepshead Minnow (<i>Cyprinodon variegatus</i>)	Acute 96hr Static Non-Renewal 100% Concentration Only
		Acute 96hr Static Renewal 100% Concentration Only with a 48hr Renewal
		Acute 96hr Static Renewal 100% Concentration Only with Daily Renewals
		Acute 96hr Static Non-Renewal 100% Concentration Only
EPA 2002.0	<i>Ceriodaphnia dubia</i>	Acute 96hr Static Renewal 100% Concentration Only with a 48hr Renewal
		Acute 96hr Static Renewal 100% Concentration Only with Daily Renewals
		Acute 96hr Static Renewal Dilution Series with a 48hr Renewal
		Acute 48hr Static Renewal Dilution Series with Daily Renewal
EPA 2021.0	<i>Daphnia spp.</i> (<i>Daphnia magna</i>)	Acute 96hr Static Non-Renewal 100% Concentration Only
		Acute 96hr Static Renewal 100% Concentration Only with a 48hr Renewal
		Acute 96hr Static Renewal 100% Concentration Only with Daily Renewals
		Acute 96hr Static Renewal Dilution Series with a 48hr Renewal
EPA 2006.0	Inland Silverside (<i>Menidia beryllina</i>)	Acute 48hr Static Renewal Dilution Series with Daily Renewal
		Acute 96hr Static Non-Renewal 100% Concentration Only
		Acute 96hr Static Renewal 100% Concentration Only with a 48hr Renewal
		Acute 96hr Static Renewal 100% Concentration Only with Daily Renewals
EPA 2007.0	Mysid shrimp (<i>Americamysis bahia</i>)	Acute 96hr Static Renewal Dilution Series with a 48hr Renewal
		Acute 96hr Static Non-Renewal 100% Concentration Only
		Acute 96hr Static Renewal 100% Concentration Only with a 48hr Renewal
		Acute 96hr Static Renewal 100% Concentration Only with Daily Renewals
EPA 1003.0 / ASTM E1218-04	Green Algae (<i>Selenastrum Capricornutum</i>)	Chronic 96hr Algal Growth Test - 100% Concentration Only
		Chronic 96hr Algal Growth Test - Dilution Series
		Chronic 96hr Algal Growth Test - Reference Toxicant Test
EPA 1002.0	<i>Ceriodaphnia dubia</i>	Chronic 3-brood Survival and Reproduction Test - 100% Concentration Only
		Chronic 3-brood Survival and Reproduction Test - Dilution Series



2025 List of Capabilities (Updated 1.2.2025)

		Chronic 3-brood Survival and Reproduction Test - Reference Toxicant Test
EPA 1000.0	Fathead Minnow (<i>Pimephales promelas</i>)	Chronic 7-day Survival and Growth Test - 100% Concentration Only
		Chronic 7-day Survival and Growth Test - Dilution Series
		Chronic 7-day Survival and Growth Test - Reference Toxicant Test
EPA 1004.0	Sheepshead Minnow (<i>Cyprinodon variegatus</i>)	Chronic 7-day Survival and Growth Test - 100% Concentration Only
		Chronic 7-day Survival and Growth Test - Dilution Series
		Chronic 7-day Survival and Growth Test - Reference Toxicant Test
EPA 1006.0	Inland Silverside (<i>Menidia beryllina</i>)	Chronic 7-day Survival and Growth Test - 100% Concentration Only
		Chronic 7-day Survival and Growth Test - Dilution Series
		Chronic 7-day Survival and Growth Test - Reference Toxicant Test
EPA 1007.0	Mysid shrimp (<i>Americamysis bahia</i>)	Chronic 7-day Survival and Growth Test - 100% Concentration Only
		Chronic 7-day Survival and Growth Test - Dilution Series
		Chronic 7-day Survival and Growth Test - Reference Toxicant Test
EPA 600/R-95/136	Mussels (<i>Mytilus spp.</i>)	Chronic Embryo-Larval Development and Survival Test - 100% Concentration Only
		Chronic Embryo-Larval Development and Survival Test - Dilution Series
		Chronic Embryo-Larval Development and Survival Test - Reference Toxicant Test

Extractions Preparations

Method / Analysis	Description
Alumina Bench Column Clean Up (EPA 3630C)	Bench Column Clean Up of solvent extracts, cost depends on complexity
Ashing - food	Thermal combustion preparation for food matrices
Ashing - soils/solids	Thermal combustion preparation for metals or oxide determinations
ASTM C 1580-05	DI Extraction of Soils for Sulfate
Bench Testing / Pilot Studies	Customized bench studies to evaluate pilot processes
CEC, NH ₄ Ac	EPA 9080; Cation Exchange Capacity inapplicable to calcareous soils
CEC, NaAc	EPA 9081; Cation Exchange Capacity that is generally applicable
Copper Clean Up	Copper Clean Up to Remove Sulfur
ESL Clean Up 8081/8082	ESL Clean-up for method 8081/ 8082
Filtration	In-house (laboratory) filtration for dissolved metals using 0.45 um filter
Florasil Clean Up (EPA 3620C)	Bench Column Clean Up of solvent extracts
GPC Clean-up, EPA 3640A	Gel Permeation Clean Up
ISM - ITRC	Incremental Sampling Method per the Interstate Technology & Regulatory Council (ITRC)
Metals Dissolution	Concentrated oxidizing acids dissolution of solid metals
MS/MSD Project specific	Project specific MS/MSDs
Silica Gel Clean Up	Silica Gel Clean Up of solvent extracts (in-a-vial style)
Silica Gel Bench Column Clean Up	Silica Gel Bench Column Clean Up of solvent extracts (EPA 3630C)
STLC	California WET Test
DI STLC	California WET Test modified to use DI water
ZHE STLC	Zero Head Space California WET Test for Volatiles
Whole Rock Dissolution	Fusion of rock / alumino-silicate solids
Zemo Diss. HCs ± SG c.u.	Dawn Zemo Methodology for Dissolved HCs ± SG cleanup
TCLP -EPA 1311	TCLP; Toxic Characteristic Leaching Procedure
ZHE TCLP -EPA 1311	Zero Head Space TCLP for Volatiles
SPLP -EPA 1312	SPLP; Synthetic Precipitation Leaching Procedure
EPA 3050B- Large Volume	Large volume (70g initial sample weight)

**2025 List of Capabilities (Updated 1.2.2025)****Miscellaneous**

Method / Analysis	Description
Chromatogram Fee	Chromatograms PDF
Compositing	Sample compositing (No charge for initial sample point)
Courier – exclusive service	Courier for emergency/urgent picks &/or deliveries
EDD/EDF Reporting Fee - Basic	EQuIS, CIWQS, SMARTs, Locus XML, etc.
EDD CLIP	California Laboratory Intake Portal Data Upload
EDF GeoTracker	GeoTracker (\$50 or 2% of final invoice when total is greater than 5K)
EDD/EDF Reporting Fee - Custom	Custom format setup and specialty reporting
EPA 5035 EnCore sampler	5g EnCore sampler
Filters & Syringes	One syringe & three 0.45 micron filters for field filtering
Open Scan Fee	The five most significant unidentified peaks in GC-MS chromatogram
Helium Shroud	Helium Shroud Rental
Invoice Upload Fee	Electronic Payment Portal Upload Fee, Per Invoice
Passive Diffusion Bag (PDB)	PDB filled with DI water
Pulverization Fee	Pulverization of solid matrices
PFAS Free Water	1 Liter PFAS Free Water
Report Reprocessing Fee	Report reprocessing Fee – Price is subject to change
Reprocess Report to MDL	Reprocess report to MDL – Per test method
Returned Container Fee	Returned container disposal fee
Sample Disposal Fee	Sample disposal fee per unique sample
Sample Hold Fee	Short term hold fee (can be refunded if samples are analyzed / per sample)
Sample Storage Fee	For samples stored longer than 60 days (price is per sample/ per month)
Sampling Tube	Stainless steel sampling tube
Sorbent Tube	Single use glass fiber sorbent tube, Type A or B
Tedlar bag	Tedlar air sampling bag
Unused Summa	Cleaning Fee - Unused Summa Canister