SCHNEIDER LABORATORIES GLOBAL, INCORPORATED
2512 W. Cary Street, Richmond, VA 23220-5117
Tel: 804-353-6778 Toll Free: 800-785-LABS (5227) FAX: 804-359-1475
www.slabinc.com info@slabinc.com

Environmental

Reference Guide

Table of Contents

SLGI provides holding times to aid customer sampling process. Any samples received outside of holding times will be notated on final report.

Holding Times for Water/Aqueous Samples

Inorganic Tests	Methods	Holding Time
Bacteria, E-coli & Coliform - Drinking Water	SM 9223B	30 Hours
Bacteria, E-coli & Coliform - Non-Potable Water	SM 9223B	6 Hours
Bromide	EPA 300.0	28 Days
Calcium Hardness	SM 2340C	6 Months
Chloride	EPA 300.0	28 Days
Conductivity	SM 2510B	28 Days
Corrosivity as pH	EPA 9040	Immediate
Fluoride	EPA 300.0	28 Days
Hexavalent Chromium (CrVI)	EPA 7196	24 hours
Lead by FLAA	EPA 7000	6 months
Mercury	EPA 7471	28 days
Metals (except CrVI and Mercury) ICP	EPA 6010, EPA 200.7	6 Months
Metals (except CrVI and Mercury) GFAA	EPA 200.8	6 Months
Nitrate (NO3)	EPA 300.0	48 Hours
Nitrate + Nitrite	EPA 300.0	48 Hours
Nitrite (NO2)	EPA 300.0	48 Hours
pH by Electrode	EPA 9040	Immediate
Sulfate	EPA 300.0	28 Days
Total Dissolved Solids	SM 2540C	7 Days
Total Suspended Solids	SM 2540D	7 Days
Turbidity	SM 2130B	48 Hours

Organic Tests	Methods	Holding Time*
Herbicides, Chlorinated	EPA 8151	7 Days
PCBs	EPA 8082, EPA 608	7 Days
Pesticides, Organochlorine	EPA 8081, EPA 608	7 Days
SVOCs (BNAs)	EPA 8270, EPA 625	7 Days
DRO	EPA 8015	7 Days
GRO/BTEX/MTBE	EPA 8015/ 8021	14 Days
VOCs	EPA 8260, EPA 624	14 Days

* days for extraction; 40 days after extraction for analysis.

Holding Times for Solid Samples

Inorganic Tests	Mehods	Holding Time
Bromide	EPA 300.0 (M)	28 Days
Chloride	EPA 300.0 (M)	28 Days
Corrosivity as pH	EPA 9045	24 Hours
Fluoride	EPA 300.0	28 Days
Hexavalent Chromium (CrVI)	EPA 7196	30 Days
Lead by FLAA	EPA 7000	6 months
Mercury	EPA 7471	28 days
Metals (except CrVI and Mercury) ICP	EPA 6010	6 Months
Nitrate (NO3)	EPA 300.0 (M)	7 Days
Nitrite (NO2)	EPA 300.0 (M)	7 Days
pH by Electrode	EPA 9045	24 Hours
Sulfate	EPA 300.0 (M)	28 Days

Organic Tests	Methods	Holding Time*
Herbicides, Chlorinated	EPA 8151	14 Days
PCBs	EPA 8082	14 Days
Pesticides, Organochlorine	EPA 8081	14 Days
SVOCs (BNAs)	EPA 8270	14 Days
DRO	EPA 8015	14 Days
GRO	EPA 8015	14 Days
GRO/BTEX/MTBE	EPA 8015/ 8021	14 Days
VOCs	EPA 8260	14 Days

* days for extraction; 40 days after extraction for analysis.

Metals Profiles

Profile/Metals	Methods
California-17 *(Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, Ti, V, Zn)*	6010/200.7 7470/7471/245.1
Full ICP Metals 26 *(Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Ti, Tl, V, Zn)*	6010/200.7
Primary Drinking Water *(As, Ba, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl)*	200.7/200.9/245.1
Priority Pollutant Metals *(Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl, Zn)*	6010/200.7 7470/7471/245.1
RCRA Metals (Total Concentration) *(Ag, As, Ba, Cd, Cr, Hg, Pb, Se)*	6010/200.7 7470/7471/245.1
Reed Minerals 30 *(Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Rh, Sb, Se, Ta, Te, Ti, Tl, U, V, Y, Zn, Zr)*	6010/200.7 7470/7471/245.1
Secondary Drinking Water *(Ag, Al, Ca, Fe, Mn, Na, Zn)*	200.7/200.9
TAL Metals 23 *(Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn)*	6010/200.7 7470/7471/245.1
Toxic Metals 6 - Drinking Water *(As, Be, Cd, Cr, Pb, V)*	200.7/200.9
Welding Fumes Metals *(Al, Be, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Sb, Ti, V, Zn)*	6010/200.7 7470/7471/245.1

Test Name	Matrix	Method	Analytical Technique	Collection Media	Minimum Amount	Preservative	Notes
Aluminum	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	See Metals Profiles Section.
Aluminum	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	See Metals Profiles Section.
Anion Scan	Soil/Bulk	EPA 9056	Ion Chromatography	Plastic/ Glass	50 grams	4°C	Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate
Anion Scan	Water	300.0	Ion Chromatography	Plastic/ Glass	125ml	4°C	Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate
Antimony	Soil/Bulk	6010/7010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Antimony	Water	6010/7010	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	
Arsenic	Soil/Bulk	6010/7010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Arsenic	Water	200.7/200.9 or 6010/7010	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	
Barium	Soil/Bulk	6010/7010	ICP	Glass/Tube	50 grams	4°C	
Barium	Water	200.7/200.9 or 6010/7010	ICP	Plastic/ Glass	125 ml	HNO3	
Beryllium	Soil/Bulk	6010/7010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Beryllium	Water	200.7/200.9 or 6010/7010	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	
Boron	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	

Test Name	Matrix	Method	Analytical Technique	Collection Media	Minimum Amount	Preservative	Notes
Boron	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Bromide	Soil/Bulk	EPA 9056	Ion Chromatography	Plastic/ Glass	50 grams	None	
Bromide	Water	300.0	Ion Chromatography	Plastic/ Glass	125 ml	None	
BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)	Soil/Bulk	8021/8260	GCPID/GCMS	Glass	50 grams	4°C	Minimum Headspace
BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)	Water	8021/8260	GCPID/GCMS	VOA Vial	3x40 ml	HCl, 4°C, no residual chlorine	No Headspace In Sample Container.
BTEX And MTBE (Methyl T-Butyl Ether)	Soil/Bulk	8021/8260	GCPID/GCMS	Glass	50 grams	4°C	Minimum Headspace
BTEX And MTBE (Methyl T-Butyl Ether)	Water	8021/8260	GCPID/GCMS	VOA Vial	3x40 ml	HCl, 4°C, no residual chlorine	No Headspace In Sample Container.
Cadmium	Soil/Bulk	6010/7010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Cadmium	Water	200.7/200.9 or 6010/7010	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	
California 17 Profile	Soil/Bulk	6010/7471	ICP/CVAA	Glass/Tube	5 grams	4°C	See Metals Profiles Section.
California 17 Profile	Water	200.7/245.1 or 6010/7470	ICP/CVAA	Plastic/ Glass	1 Liter	HNO3	See Metals Profiles Section.
Calcium	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Calcium	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Chloride	Soil/Bulk	EPA 9056	Ion Chromatography	Plastic/ Glass	50 grams	None	
Chloride	Water	300.0	Ion Chromatography	Plastic/ Glass	125ml	None	
Chromium	Soil/Bulk	6010/7010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Chromium	Water	200.7/200.9 or 6010/7010	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	

Test Name	Matrix	Method	Analytical Technique	Collection Media	Minimum Amount	Preservative	Notes
Chrome III	Soil/Bulk	6010 and 7196	ICP & UV/VIS	(Calculation based on anaysis of Total Cr & CrVI)			
Chrome III	Water	6010 and 7196	ICP & UV/VIS	(Calculation based on anaysis of Total Cr & CrVI)			
Chromium, Hexavalent (Chrome VI, Cr+6)	Soil/Bulk	7196	UV/VIS	Plastic/ Glass	100 grams	4°C	
Chromium, Hexavalent (Chrome VI, Cr+6)	Water	7196	UV/VIS	Plastic/ Glass	250 ml	4°C	
Copper	Soil/Bulk	6010/7010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Copper	Water	200.7/200.9 or 6010/7010	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	
Corrosivity (pH)	Soil/Bulk	9045	pH METER	Plastic/ Glass	50 grams	4°C	
Corrosivity (pH)	Water	9045	pH METER	Plastic/ Glass	50 ml	4°C	
Fluoride	Soil/Bulk	EPA 9056	Ion Chromatography	Plastic/ Glass	50 grams	None	
Fluoride	Water	300.0	Ion Chromatography	Plastic/ Glass	125ml	None	
Full ICP Metals 26 Profile	Soil/Bulk	6010	ICP/CVAA	Glass/Tube	5 grams	4°C	See Metals Profiles Section.
Full ICP Metals 26 Profile	Water	200.7 or 6010	ICP/CVAA	Plastic/ Glass	1 Liter	HNO3	See Metals Profiles Section.
Herbicides, Chlorinated	Soil/Bulk	8151	GC/ECD	Glass	100 grams	4°C	See Appendix for list of analytes.
Herbicides, Chlorinated	Water	8151	GC/ECD	Glass	3x1000 ml	4°C	See Appendix for list of analytes.
Iron	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Iron	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Lead Based Paint	Paint	7000/6010	FAA/ICP	Glass/Tube	1 gram	None	

Test Name	Matrix	Method	Analytical Technique	Collection Media	Minimum Amount	Preservative	Notes
Lead	Soil/Bulk	7000/6010	FAA/ICP	Glass/Tube	5 grams	4°C	
Lead	Water	7000 or 200.7/6010	FAA/ICP	Plastic/ Glass	125 ml	HNO3	
Lead (Drinking Water)	Water	200.9	GFAA	Plastic/ Glass	125 ml	HNO3	
Lead	Wipe	7000 or 6010	FAA/ICP	Plastic/ Glass	-		
Lithium	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Lithium	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Magnesium	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Magnesium	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Manganese	Soil/Bulk	6010/7010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Manganese	Water	200.7/200.9 or 6010/7010	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	
Mercury	Soil/Bulk	7471	CVAA	Plastic/ Glass	5 grams	4°C	
Mercury	Water	245.1/7470	CVAA	Plastic/ Glass	125 ml	HNO3	
Molybdenum	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Molybdenum	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Nickel	Soil/Bulk	6010/7010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Nickel	Water	200.7/200.9 or 6010/7010	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	
Nitrate	Soil/Bulk	EPA 9056	Ion Chromatography	Plastic/ Glass	50 grams	4°C	

Test Name	Matrix	Method	Analytical Technique	Collection Media	Minimum Amount	Preservative	Notes
Nitrate	Water	300.0	Ion Chromatography	Plastic/ Glass	125ml	4°C	
Nitrite	Soil/Bulk	EPA 9056	Ion Chromatography	Plastic/ Glass	50 grams	4°C	
Nitrite	Water	300.0	Ion Chromatography	Plastic/ Glass	125ml	4°C	
PAHs (Polynuclear Aromatic Hydrocarbons)	Soil/Bulk	8270	GCMS	Glass	100 grams	4°C	See Appendix for list of analytes.
PAHs (Polynuclear Aromatic Hydrocarbons)	Water	8270	GCMS	Glass	3x1000 ml	4°C	See Appendix for list of analytes.
PCBs	Oil	8082	GC/ECD	Glass/Tube	50 grams	4°C	
PCBs	Soil/Bulk	8082	GC/ECD	Glass/Tube	50 grams	4°C	
PCBs	Water	8082	GC/ECD	Glass/Tube	3x1000ml	4°C $Na_2S_2O_3$	
PCBs	Wipe	8082	GC/ECD	Glass/Tube	-	4°C	
Pesticides, Organochlorine	Soil/Bulk	8081	GC/ECD	Glass	100g	4°C	See Appendix for list of analytes.
Pesticides, Organochlorine	Water	8081	GC/ECD	Glass	3x1000ml	4°C	See Appendix for list of analytes.
Pesticides, Organochlorine	Wipe	8081	GC/ECD	Glass	-	4°C	See Appendix for list of analytes.
pH	Soil/Bulk	9045	pH METER	Plastic/ Glass	20 grams	4°C	
pH	Water	9040	pH METER	Plastic/ Glass	125 ml	4°C	
Phenols	Soil/Bulk	8270	GCMS	Glass	100 grams	4°C	
Phenols	Water	8270	GCMS	Glass	3x1000ml	4°C	
Phosphate	Soil/Bulk	EPA 9056	Ion Chromatography	Plastic/ Glass	50 grams	None	

Test Name	Matrix	Method	Analytical Technique	Collection Media	Minimum Amount	Preservative	Notes
Phosphate	Water	300.0	Ion Chromatography	Plastic/ Glass	125ml	None	
Potassium	Soil/Bulk	6010	ICP	Plastic/ Glass	5 grams	4°C	
Potassium	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Primary Drinking Water Profile (10 Day Turn-Around Time)	Drinking Water	200.7/200.9	ICP/GFAA	Plastic/ Glass	1 Liter	HNO3	See Metals Profiles Section.
Priority Pollutant Metals Profile	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	See Metals Profiles Section.
Priority Pollutant Metals Profile	Water	200.7/6010	ICP	Plastic/ Glass	1 Liter	HNO3	See Metals Profiles Section.
Priority Pollutant Metals Profile (10 Day Turn-Around Time)	Drinking Water	200.7/200.9	ICP/GFAA	Plastic/ Glass	1 Liter	HNO3	See Metals Profiles Section.
RCRA Metals Profile	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	See Metals Profiles Section.
RCRA Metals Profile	Water	200.7/6010	ICP	Plastic/ Glass	1 Liter	HNO3	See Metals Profiles Section.
Reed Minerals 30 Profile	Soil/Bulk	6010/7471	ICP/CVAA	Glass/Tube	5 grams	4°C	See Metals Profiles Section.
Reed Minerals 30 Profile	Water	200.7/245.1 or 6010/7470	ICP/CVAA	Plastic/ Glass	1 Liter	HNO3	See Metals Profiles Section.
Secondary Drinking Water Profile	Drinking Water	200.7/200.9	ICP/GFAA	Plastic/ Glass	1 Liter	HNO3	See Metals Analyses Section.
Selenium	Soil/Bulk	6010/7010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Selenium	Water	200.7/200.9 or 6010/7010	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	
Silica	Soil/Bulk	NIOSH 7602M	FTIR	Glass/Tube	5 grams	4°C	
Silver	Soil/Bulk	6010/7010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Silver	Water	200.7/200.9 or 6010/7010	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	

Test Name	Matrix	Method	Analytical Technique	Collection Media	Minimum Amount	Preservative	Notes
Sodium	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Sodium	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Strontium	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Strontium	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Sulfate	Soil/Bulk	EPA 9056	Ion Chromatography	Plastic/ Glass	50 grams	None	
Sulfate	Water	300.0	Ion Chromatography	Plastic/ Glass	125ml	None	
SVOCS (Semi-volatile Organic Compounds)	Soil/Bulk	8270	GCMS	Glass	50 grams	4°C	See Appendix for list of analytes.
SVOCS (Semi-volatile Organic Compounds)	Water	8270	GCMS	Glass	3x1000 ml	4°C	See Appendix for list of analytes.
TAL Metals Profile	Soil/Bulk	6010/7471	ICP	Glass/Tube	5 grams	4°C	See Metals Profiles Section.
TAL Metals Profile	Water	6010/7470 or 200.7/245.1	ICP	Plastic/ Glass	1 Liter	HNO3	See Metals Profiles Section.
TCLP Full Profile (10 Day TAT)	Soil/Bulk	1311	VARIOUS	Glass/Tube	250 grams	4°C	See Appendix for list of analytes.
TCLP Full Profile (10 Day TAT)	Water	1311	VARIOUS	Glass	2x1000 ml	4°C	See Appendix for list of analytes.
TCLP Herbicide Analysis	Soil/Bulk	1311/8151	GC/ECD	Glass	100 grams	4°C	See Appendix for list of analytes.
TCLP Herbicide Analysis	Water	1311/8151	GC/ECD	Glass	2x1000 ml	4°C	See Appendix for list of analytes.
TCLP Lead only Analysis (includes extraction)	Soil/Bulk	1311/7000	FAA	Plastic/ Glass	100 grams	4°C	
TCLP Lead only Analysis (includes extraction)	Water	1311/7000	FAA	Plastic/ Glass	250 ml	4°C	
TCLP Metals (RCRA) Analysis (includes extraction)	Soil/Bulk	1311/6010/7471	ICP/CVAA	Plastic/ Glass	100 grams	4°C	See Appendix for list of analytes.

Test Name	Matrix	Method	Analytical Technique	Collection Media	Minimum Amount	Preservative	Notes
TCLP Metals (RCRA) Analysis (includes extraction)	Water	1311/6010/7470	ICP/CVAA	Plastic/ Glass	500 ml	4°C	See Appendix for list of analytes.
TCLP Pesticide Analysis	Soil/Bulk	1311/8082	GC/ECD	Glass	100 grams	4°C	See Appendix for list of analytes.
TCLP Pesticide Analysis	Water	1311/8081	GC/ECD	Glass	3x1000 ml	4°C	See Appendix for list of analytes.
TCLP Semi-Volatiles Analysis	Soil/Bulk	1311/8270	GCMS	Glass	100 grams	4°C	See Appendix for list of analytes.
TCLP Semi-Volatiles Analysis	Water	1311/8270	GCMS	Glass	3x1000 ml	4°C	See Appendix for list of analytes.
TCLP Volatiles Analysis	Soil/Bulk	1311/8260	Purge & Trap/ GCMS	Glass	100 grams	4°C	See Appendix for list of analytes.
TCLP Volatiles Analysis	Water	1311/8260	Purge & Trap/ GCMS	Glass	3x1000 ml	4°C	See Appendix for list of analytes.
Thallium	Soil/Bulk	6010	ICP/GFAA	Glass/Tube	5 grams	4°C	
Thallium	Water	200.7/6010/200.9	ICP/GFAA	Plastic/ Glass	125 ml	HNO3	
Titanium	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Titanium	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Toxic Metals 6 - Drinking Water	Drinking Water	200.7/200.9	ICP/GFAA	Plastic/ Glass	1 Liter	HNO3	See Metals Profiles Section.
TPH Profile (DRO, GRO and ORO)	Soil/Bulk	8015	GC	Glass	100 grams	4°C	Minimum Headspace
TPH Profile (DRO, GRO and ORO)	Water	8015	GC	Glass	3x1000 ml & 4x40 ml	HCl, 4°C	GRO - no headspace and requires Trip Blank
TPH-DRO (Total Petroleum Hydrocarbons, Diesel Range Organics)	Soil/Bulk	8015	GC	Glass	100 g	4°C	
TPH-DRO (Total Petroleum Hydrocarbons, Diesel Range Organics)	Water	8015	GC	Glass	3x1000 ml	4°C	

Test Name	Matrix	Method	Analytical Technique	Collection Media	Minimum Amount	Preservative	Notes
TPH-GRO (Total Petroleum Hydrocarbons, Gasoline Range Organics)	Soil/Bulk	8015	P&T/GC	Glass	50 grams	4°C	Minimum Headspace
TPH-GRO (Total Petroleum Hydrocarbons, Gasoline Range Organics)	Water	8015	P&T/GC	VOA Vial	4x40 ml	HCl, 4°C	No Headspace In Sample Container. Trip Blank also required.
TPH ORO (Oil Range Organics)	Soil/Bulk	8015	P&T/GC	Glass	50 grams	4°C	
TPH ORO (Oil Range Organics)	Water	8015	P&T/GC	Glass	3x1000 ml	HCl, 4°C	
Tungsten	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Tungsten	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
Turbidity	Water	180.1	TURB.	Plastic/ Glass	125 ml	4°C	
Vanadium	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Vanadium	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	
VOCS (Volatile Organic Compounds)	Soil/Bulk	8260	Purge & Trap/ GCMS	Glass	50 grams	4°C	Minimum Headspace, See Appendix for list of analytes.
VOCS (Volatile Organic Compounds)	Water	8260	Purge & Trap/ GCMS	VOA Vial	4x40 ml	HCl, 4°C, no residual chlorine	No Headspace, See Appendix for list of analytes.
Welding Fume Metals Profile	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	See Metals Profiles Section.
Welding Fume Metals Profile	Water	200.7/6010	ICP	Plastic/ Glass	1 Liter	HNO3	See Metals Profiles Section.
Zinc	Soil/Bulk	6010	ICP	Glass/Tube	5 grams	4°C	
Zinc	Water	200.7/6010	ICP	Plastic/ Glass	125 ml	HNO3	

Sampling Media

Call for Pricing and Availability

Media	ID #	Media Description	Index
Cassettes / Metals			
37mm MCEF		Lead / Metals	
37mm MW		Matched Weighed	
37mm UNW		Unweighed PVC	
37mm PW PVC		Pre-Weighed PVC 2pc	
37mm PW PVC		Pre-Weighed Plc. 3pc	
Cassettes / Asbestos			
25mm MCEF		PCM Asbestos	
25mm MCEF		TEM Asbestos	
Cassettes			
37mm GFF	225-7	Coal Tar Pitch	
37mm MCE Tr (sodium carbonate)	225-9001		
37mm GFF Tr (1-2pyrdl(peperazine)	225-9002	Isocyanates	Refrigerated
37mm GFF Tr(2,4,dinitrophenylhydrazine))	225-9003	Gluderaldehye	Refrigerated
37mm FGG Tr(Sulfuric Acid)	225-9004		
37mm MCE Tr (sodium carbonate)	225-9005	MDA	
37mm Teflon	225-9006	Chlorine	
37mm GFF Tr (mercuric acetate)	225-9007	Mercaptan	Refrigerated
37mm GFF (nitrate impregnated)	225-9014	Ozone	
Stainless Steel Back Up Pad	225-26	Carbon Black	
Swinex	225-32 + 226-39 Fl. Tube	PCB kit	
37mm 2ug PTFE Filter	225-17-07		
37mm 1.0ug PTFE Filter	225-17-01		
25mm PTFE Washed Filter	225-1708 + 225-3-25		
Mold			
Air-o-Cell Cassette	Zefon AOC010	Mold	
Bio-Tape	Zefon BT0025	Mold	

Media	ID #	Media Description	Index
Filters			
TSP Filters			
TSPW Filters (weighed)			
PM 10 Filters			
PW Whattman Filters			
Badges			
Passive Sampler	500-100	UMEX Formaldehyde	
3M 3500		3M 3500 Badge	
3M 3520		3M 3520 Badge	
3M 3551 (ethylene Oxide)		3M 3551 Badge	
Mercury Badge Holder		Mercury Badge Holder	
Mercury Badge		Mercury Badge	
OVM Badge		OVM Badge (charcoal)	
OVM Badge		OVM Badge (Anasorb 747)	
Tubes			
Small Charcoal Tube	226-01		
Lg. Charcoal Tube	226-09		
Silica Gel Tube (75/150)	226-10		
Silica Gel Tube specially clean	226-10-03		
Silica Gel Tube (150/300)	226-10-04		
Silica Gel Tube (sulfuric acid0	226-10-06		Limited Shelf Life
Silica Gel Tube (260/520)	226-15		
Sorbent Tube	226-17-1A	For Mercury	
XAD (2-hydroxymethylpiperidine)	226-27		Limited Shelf Life
Soda lime Tube	226-28		
Anasorb 747 (sulfuric acid)	226-29		Limited Shelf Life
XAD-2 Tube (40-80)	226-30		
XAD-2 Tube (set of 2)	226-30-02		
XAD-2 Tube (50/100)	226-30-04		
XAD-2 Tube (p-anisidine)	226-30-07		
Anasorb 708	226-30-08		
XAD-2 Tube/GFF (OVS)	226-30-16		Limited Shelf Life
XAD-2 Tube	226-30-18		Limited Shelf Life

Media	ID #	Media Description	Index
Tenax Tube (10/20)	226-35-01		Limited Shelf Life
Charcoal Tub, JXC	226-36		
Anasorb CSC, Charcoal Tube	226-37	set of 2	
Treated Charcoal Tube	226-38-03		Refrigerated
Florisil Tube	226-39		
NO/NO2 Tubes (set of 30)	226-40		Refrigerated
NO2 Tubes Only	226-40-02	NO2 Tube	Limited Shelf Life
Gas Chrom-R Tube (sulfuric acid)	226-42-02	Gas Chrom-R	Limited Shelf Life
Drying Tube	226-44	Drying Tube	
Silica Gel Tube (50/100)	226-51	Silica Gel	
XAD-2 Tube (2 hydroxymethyl	226-54	XAD-2	Limited Shelf Life
Tenax Tub / GFF (OVS)	226-56	Tenax / GFF (OVS)	Limited Shelf Life
XAD-7/GFF (OVS)	226-57	XAD-7/GFF (OVS)	Limited Shelf Life
XAD-2/Quartz Filter (OVS)	226-58	XAD-2/Quartz Filter(OVS)	Limited Shelf Life
Coconut CT (potassium hydroxide)	226-67	Coconut CT	Limited Shelf Life
Coconut CT (t-butylcatechol)	226-73	Coconut CT	Limited Shelf Life
Anasorb 747 (potassium hydroxide)	226-80	Anasorb 747	Limited Shelf Life
Anasorb 747 (70/140)	226-81A	Anasorb 747	
Anasorb 747 (200/400)	226-83	Anasorb 747	
XAD-7 (50/100)	226-95	XAD-7 (50/100)	
XAD-7 (chloride)	226-96	XAD-7	Limited Shelf Life
XAD-7 (1) specially cleaned (2) regular (set of 3 tubes)	226-97	XAD-7	
XAD-7 (phosphoric acid)	226-98	XAD-7	Limited Shelf Life
Chromosorb-102	226-107	Chromosorb-102	
Chromosorb-106	226-111A	Chromosorb-106	
Porapak-Q	226-115	Porapak-Q	
XAD-2 (2-hydroxymethylpiperidine)	226-117	XAD-2 Lg.	Limited Shelf Life
XAD-2 (2-hydroxymethylpiperidine)	226-118	XAD-2 Sm.	Limited Shelf Life
Silica Gel (2,4 dintrophenlhydrazine)	226-119	Silica Gel	Refrigerated
Anasorb (75/150)	226-121	Anasorb (75/150)	
Orbo 34	20211	Orbo 34	
Orbo 43	20258	Orbo 43	
Orbo 49P	20350	Orbo 49P	
Orbo 53	20365	Orbo 53	
Orbo 90	20358	Orbo 90	
Orbo 92	20362	Orbo 92	

Media	ID #	Media Description	Index
BAGS			
Tedlar Bags	233-01B	Tedlar Bags	
3x5		3x5 sample bag (Qty 100)	
4x6		4x6 sample bag (Qty 100)	
12x12		12x12 sample bag(Qty 100)	
Wipes			
ASTM Ghost Wipes		ASTM Ghost Wipes	
Whattman Filters		Whattman Filters	
Spike Wipes		Spike Wipes (200 mic.)	
PCB Wipe Kit	In House	Watt. Filter/Hex. Scint. Via	
Containers			
Plastic Bottle		125ml	
Plastic Bottle		250ml	
Plastic Bottle		500ml	
Plastic Bottle		1000ml	
Amber Liter		1L	
Clear wm jar		4oz	
Clear wm jar		8oz	
Scintillation Vials		Scintillation Vials	
50ml Centrifuge Tubes		Lead Centrifuge tubes	
40 ml Amber VOA Unpr.		40ml Unpreserved	
40ml Amber VOA Pres.		40ml HCL Preserved	
40ml Clear Voa unpr.		40ml Unpreserved	
40ml Clear Voa Pres.		40ml Preserved	
Gloves			
S. Powder Free Gloves		SM (100 ea. Box)	
Lg. Powder Free Gloves		Lg (100 ea. Box)	
XL Powder Free Gloves		XL (100 ea. Box)	

SEMI-VOLATILE ANALYTES BY MASS SPECTROMETRY

(Compounds reported in a standard profile)

ANALYTE	8270	PPL[1]	PAHs[2]	A[3]	B/N[4]
Acenaphthene	X	X	X		X
Acenaphthylene	X	X	X		X
Aniline	X				X
Anthracene	X	X	X		X
Benzidine	X	X			X
Benzo(a)anthracene	X	X	X		X
Benzo(a)pyrene	X	X	X		X
Benzo(b)fluoranthene	X	X	X		X
Benzo(g,h,i)perylene	X	X	X		X
Benzo(k)fluoranthene	X	X	X		X
Benzoic acid	X			X	
Benzyl alcohol	X				X
Bis (2-chloroethoxy) methane	X	X			X
Bis (2-chloroethyl) ether	X	X			X
Bis (2-chloroisopropyl) ether	X	X			X
Bis (2-ethylhexyl) phthalate	X	X			X
4- Bromophenyl phenyl ether	X	X			X
Butylbenzyl phthalate	X	X			X
Carbazol	X				X
4- Chloro-3-methylphenol	X	X		X	
4- Chloroaniline	X				X
2- Chloronaphthalene	X	X			X
2- Chlorophenol	X	X		X	
4- Chlorophenyl phenyl ether	X	X			X
Chrysene	X	X	X		X
Dibenz(a,h)anthracene	X	X	X		X
Dibenzofuran	X				X
Dibutyl phthalate	X	X			X
1,2- Dichlorobenzene	X				X
1,3- Dichlorobenzene	X				X
1,4- Dichlorobenzene	X				X
3,3'- Dichlorobenzidine	X	X			X
2,4- Dichlorophenol	X	X		X	
Diethyl phthalate	X	X			X
Dimethyl phthalate	X	X			X
2.4- Dimethylphenol	X	X		X	
4,6- Dinitro-2-methylphenol	X	X		X	
2,4- Dinitrophenol	X	X		X	
2,4- Dinitrotoluene	X	X			X
2,6- Dinitrotoluene	X	X			X
Di-n-octyl phthalate	X	X			X
Fluoranthene	X	X	X		X
Fluorene	X	X	X		X
Hexachlorobenzene	X	X			X
Hexachlorobutadiene	X	X			X
Hexachlorocyclopentadiene	X	X			X
Hexachloroethane	X	X			X
Indeno(1,2,3-cd)pyrene	X	X	X		X
Isophorone	X	X			X
2- Methyl phenol	X			X	

ANALYTE	8270	PPL[1]	PAHs[2]	A[3]	B/N[4]
3- and 4- Methyl phenol	X			X	
2- Methylnaphthalene	X				X
Naphthalene	X	X	X		X
2- Nitroaniline	X				X
3- Nitroaniline	X				X
4- Nitroaniline	X				X
Nitrobenzene	X	X			X
2- Nitrophenol	X	X		X	
4- Nitrophenol	X	X		X	
N- Nitrosodimethylamine	X	X			X
N- Nitroso-di-n-propylamine	X	X			X
N- Nitrosodiphenylamine	X	X			X
Pentachlorophenol	X	X		X	
Phenanthrene	X	X	X		X
Phenol	X	X		X	
Pyrene	X	X	X		X
Pyridine	X				X
1,2,4- Trichlorobenzene	X	X			X
2,4,5- Trichlorophenol	X			X	
2,4,6- Trichlorophenol	X	X		X	

1. PPL - Priority Pollutant List
2. PAHs - Polyaromatic Hydrocarbons
3. A - Acid Semi-volatile fraction
4. B/N - Base/Neutral Semi-volatile fraction

VOLATILE ANALYTES

(Compounds reported in a standard profile)

ANALYTE	8021	8260
Acetone		X
Benzene	X	X
Bromobenzene		X
Bromochloromethane		X
Bromodichloromethane		X
Bromoform		X
Bromomethane		X
n- Butylbenzene		X
sec- Butylbenzene		X
tert- Butylbenzene		X
Carbon disulfide		X
Carbon tetrachloride		X
Chlorobenzene		X
Chloroethane		X
2- Chloroethylvinyl ether		X
Chloroform		X
Chloromethane		X
2- Chlorotoluene		X
4- Chlorotoluene		X
1,2- Dibromo-3-chloropropane		X
Dibromochloromethane		X
1,2- Dibromoethane		X
Dibromofluoromethane		X
Dibromomethane		X
1,2- Dichlorobenzene		X
1,3- Dichlorobenzene		X
1,4- Dichlorobenzene		X
Dichlorodifluoromethane		X
1,1- Dichloroethane		X
1,2- Dichloroethane		X
1,1- Dichloroethene		X
cis-1,2- Dichloroethene		X
trans-1,2- Dichloroethene		X
1,2- Dichloropropane		X
1,3- Dichloropropane		X
2,2- Dichloropropane		X
1,1- Dichloropropene		X
cis-1,3- Dichloropropene		
trans-1,3- Dichloropropene		
Ethylbenzene	X	X
Hexachlorobutadiene		X
2- Hexanone		X
Isopropylbenzene		X
p- Isopropyltoluene		X
Methyl ethyl ketone		X
Methyl isobutyl ketone		X
Methyl t-butyl ether (MTBE)	X	X
4- Methyl-2-pentanone		X
Methylene Chloride		X

ANALYTE	8021	8260
Naphthalene		X
n- Propylbenzene		X
Styrene		X
1,1,1,2- Tetrachloroethane		X
1,1,2,2- Tetrachloroethane		X
Tetrachloroethene		X
Toluene	X	X
1,2,3- Trichlorobenzene		X
1,2,4- Trichlorobenzene		X
1,1,1- Trichloroethane		X
1,1,2- Trichloroethane		X
Trichloroethene		X
Trichlorofluoromethane		X
1,2,3- Trichloropropane		X
1,2,4- Trimethylbenzene		X
1,3,5- Trimethylbenzene		X
Vinyl acetate		X
Vinyl chloride		X
m-,p- Xylene	X	X
o- Xylene	X	X
p- Xylene	X	X

PCB / PESTICIDE AND HERBICIDE ANALYTES

(Compounds reported in a standard profile)

ANALYTE	Pesticides 8081	Herbicides 8151	PCBs 8082
Aldrin	X		
alpha-BHC	X		
beta-BHC	X		
delta-BHC	X		
gamma-BHC (Lindane)	X		
α- Chlordane	X		
g- Chlordane	X		
Chlordane	X		
4,4'- DDD	X		
4,4'- DDE	X		
4,4'- DDT	X		
Dieldrin	X		
Endosulfan I	X		
Endosulfan II	X		
Endosulfan sulfate	X		
Endrin	X		
Endrin aldehyde	X		
Endrin ketone	X		
Heptachlor	X		
Heptachlor epoxide	X		
Methoxychlor	X		
2-4-D		X	
2,4,5-T		X	
2,4,5-TP		X	
Toxaphene	X		
Aroclor – 1016			X
Aroclor – 1221			X
Aroclor – 1232			X
Aroclor – 1242			X
Aroclor – 1248			X
Aroclor – 1254			X
Aroclor – 1260			X

TCLP PARAMETERS AND REGULATORY LIMITS

	PARAMETER	REGULATORY LIMITS (mg/L)
Metals	Arsenic	5.0
	Barium	100
	Cadmium	1.0
	Chromium	5.0
	Lead	5.0
	Mercury	0.2
	Selenium	1.0
	Silver	5.0
Volatiles	Benzene	0.5
	Carbon Tetrachloride	0.5
	Chlorobenzene	100
	Chloroform	6.0
	1,4- Dichlorobenzene	7.5
	1,2- Dichloroethane	0.5
	1,1- Dichloroethene	0.7
	2- Butanone (MEK)	200
	Tetrachloroethene	0.7
	Trichloroethene	0.5
	Vinyl Chrloride	0.2
Semi-Volatiles	*2,4-* Dinitrotoluene	0.13
	Hexachlorobenzene	0.13
	Hexachlorobutadiene	0.5
	Hexachloroethane	3.0
	2- Methylphenol	200
	3-,4- Methylphenol	400
	Nitrobenzene	2.0
	Pentachlorophenol	100
	Pyridine	5.0
	2,4,5- Trichlorophenol	400
	2,4,6- Trichlorophenol	2.0
Pesticides	Chlordane	0.03
	Endrin	0.02
	Heptachlor	0.008
	Heptachlor Epoxide	0.008
	Lindane	0.4
	Methoxychlor	10.0
	Toxaphene	0.5
Herbicides	*2,4-* D	10
	2,4,5- TP (Silvex)	1.0

STLC/TTLC REGULATORY LIMITS
For Inorganic Substances

Substance	STLC Level (mg/L)	TTLC Level (mg/kg)
Antimony	15	500.0
Arsenic	5	50
Barium	100	10000.0
Beryllium	0.75	75.0
Cadmium	1	100.0
Chromium VI compounds	5	500.0
Chromium	5	2500.0
Cobalt	80	8000
Copper	25	2500
Lead	5	1000.0
Mercury	0.2	20
Molybdenum	350	3500
Nickel	20	2000
Selenium	1	100
Silver	5	500
Thallium	7	700
Vanadium	24	2400
Zinc	250	5000

Source is California Code of Regulations, Title 22, Chapter 11, Article 3.

STLC/TTLC REGULATORY LIMITS
For Organic Substances

Substance	STLC Level (mg/L)	TTLC Level (mg/kg - Wet Weight)
Aldrin	0.14	1.4
Chlrodane	0.25	2.5
DDT, DDE, DDD	0.1	1.0
2,4-Dichlorophenoxyacetic acid	10	100.0
Dieldrin	0.8	8.0
Dioxin (2,3,7,8-TCDD)	0.001	0.0
Endrin	0.02	0.2
Heptachlor	0.47	4.7
Kepone	2.1	21
Lead compounds, organic	-	13
Lindane (gamma-BHC)	0.4	4
Methoxychlor	10	100.0
Mirex	2.1	21
Pentachlorophenol	1.7	17
PCBs (Polychlorinated Biphenyls)	5	50
Toxaphene	0.5	5
Trichloroethylene	204	2040
2,4- Trichlorophenoxypropionic acid	1	10

Source is California Code of Regulations, Title 22, Chapter 11, Article 3.