

Exhibit 1

TABLE E-1

Sample Analytical Methods Quantities and MDLs

FY 2024-2025

Constituent	Suggested Methods ¹		Required Detection Limit	Proposed Reporting Limit	Units	Anticipated Number of Samples per Year	Comments	Per Sample (Unit) Analytical Cost
	EPA	SM						
<i>Conventional</i>								
Biochemical Oxygen Demand (BOD)	405.1	5210	1.0	1.0	mg/L	215		\$ 44
Chemical Oxygen Demand (COD)	410	5220	0.5	10	mg/L	215		\$ 21
pH (Lab)	150.1	4500	--		pH Units	63		\$ 12
Electrical Conductivity (EC) (Lab)	120.1	RDL	2.5	1	mS/cm	71	SM 2510B	\$ 12
Dissolved Oxygen (Lab)	360.1	4500	0.5	0.1	mg/L	71		\$ 12
Color	--	2120	--		Color Units	71		\$ 8
Turbidity (Lab)	180.1	2130	2	0.1	NTU	63		\$ 8
Total Dissolved Solids (TDS)	160.1	2540	0.5	10	mg/L	263		\$ 17
Total Suspended Solids (TSS)	160.2	2540	0.5	0.5	mg/L	602		\$ 17
Volatile Suspended Solids	--	2540	1.0	0.5	mg/L	96		\$ 21
Total Organic Carbon (TOC)	415.3	5310	0.1	0.7	mg/L	236		\$ 39
Dissolved Organic Carbon	--	5310	0.1	0.7	mg/L	156		\$ 39
Oil and Grease (O&G)	413.1, 1664	5520	10	2.5	mg/L	111		\$ 43
<i>Metals: Total Recoverable and Dissolved</i>								
Antimony (Sb)	200.8	3120, 3125	0.5	0.5	ug/L	56		\$ 12
Arsenic (As), Total	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 12
Arsenic (As), Dissolved	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 12
Barium (Ba), Total	200.8	3120	2.0	1.0	ug/L	63		\$ 12
Barium (Ba), Dissolved	200.8	3120	2.0	1.0	ug/L	63		\$ 12
Beryllium (Be)	200.8	3120, 3125	0.3	0.5	ug/L	56		\$ 12
Boron (B), Total	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 12
Boron (B), Dissolved	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 12
Cadmium (Cd), Total	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 12
Cadmium (Cd), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 12
Chromium (Cr), Total	200.8	3120, 3125	2.0	0.5	ug/L	103		\$ 12
Chromium (Cr), Dissolved	200.8	3120, 3125	2.0	0.5	ug/L	31		\$ 12
Chromium VI (Cr6+)	200.8, 218.6	3500	0.3	1.0	ug/L	95		\$ 70
Cobalt (Co), Total	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 12

Cobalt (Co), Dissolved	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 12
Copper (Cu), Total	200.8	3120, 3125	1.0	0.5	ug/L	160		\$ 12
Copper (Cu), Dissolved	200.8	3120, 3125	1.0	0.5	ug/L	151		\$ 12
Iron (Fe), Total	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$ 12
Iron (Fe), Dissolved	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$ 12
Lead (Pb), Total	200.8	3120, 3125	0.2	0.5	ug/L	151		\$ 12
Lead (Pb), Dissolved	200.8	3120, 3125	0.2	0.5	ug/L	151		\$ 12
Manganese (Mn), Total	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$ 12
Manganese (Mn), Dissolved	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$ 12
Mercury (Hg), Total	200.8	3112	0.1	0.2	ug/L	95		\$ 25
Mercury (Hg), Dissolved	200.8	3112	0.1	0.2	ug/L	63		\$ 25
Nickel (Ni), Total	200.8	3120, 3125	1.0	1.0	ug/L	64		\$ 12
Nickel (Ni), Dissolved	200.8	3120, 3125	1.0	1.0	ug/L	64		\$ 12
Selenium (Se), Total	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$ 12
Selenium (Se), Dissolved	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$ 12
Silver (Ag), Total	200.8	3120, 3125	0.3	0.3	ug/L	95		\$ 12
Silver (Ag), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	95		\$ 12
Thallium (Tl)	200.8	3120, 3125	0.2	1.0	ug/L	56		\$ 12
Zinc (Zn), Total	200.8	3120, 3125	2.0	1.0	ug/L	151		\$ 12
Zinc (Zn), Dissolved	200.8	3120, 3125	2.0	1.0	ug/L	151		\$ 12
<u>General Minerals</u>								
Total Hardness as CaCO ₃	130	2340, HACH 8266	--		mg/L	289	Calculation	\$ -
Calcium (Ca)	215	3120	0.5	1	mg/L	68	EPA 200.7	\$ 12
Magnesium (Mg)	242.1	3120, 3125	0.5	1	mg/L	67	EPA 200.7	\$ 12
Sodium (Na)	273	3120, 3125	0.5	1	mg/L	140	EPA 200.7	\$ 12
Potassium (K)	200.7 / APHA	3120, 3125	0.5	1	mg/L	140		\$ 12
Total Alkalinity as CaCO ₃	130	2320	--		mg/L	200		\$ 16
Hydroxide (OH)	310.1	2320	--		mg/L	67	Included in alkalinity	\$ -
Calcium Carbonate (CO ₃)	310.1	2320	--		mg/L	67	Included in alkalinity	\$ -
Bicarbonate (HCO ₃)	130	2320	--		mg/L	67	Included in alkalinity	\$ -

<u>Others</u>								
Sulfate (SO ₄)	375.4	4500, 4110	0.25	0.5	mg/L	151	EPA 300.0	\$ 12
Chloride (Cl)	325	4500, 4110	1.0	1.0	mg/L	150	EPA 300.0	\$ 12
Flouride (F)	340	4500, 4110	0.05	0.1	mg/L	143	EPA 300.0	\$ 12
Ortho-Phosphate	365.2	4500, 4110	0.015	0.05	mg/L	343		\$ 16
Total Phosphorus (P-Total)	365.2	4500, 3120	0.015	0.01	mg/L	343		\$ 26
Total Dissolved Phosphorus	365.2	4500	0.015	0.05	mg/L	296		\$ 26

Ammonium Nitrogen (NH ₄ -N)	350	4500	0.030	0.100	mg/L	343		\$ 12
Nitrate Nitrogen (NO ₃ -N)	352.1	4500, 4110	0.020	0.200	mg/L	343	EPA 300.0	\$ 12
Nitrite Nitrogen (NO ₂ -N)	354.1	4500, 4110	0.050	0.100	mg/L	343	EPA 300.0	\$ 12
Total Kjeldahl Nitrogen (TKN)	351	4500	0.075	0.1	mg/L	158		\$ 41
Total Nitrogen (N-Total)	354.1	4500, 4110	0.025	0.2	mg/L	224	300.0/4500 + Calc	\$ 66
Total Dissolved Nitrogen	--	4500	0.025	0.2	mg/L	216	300.0/4500 + Calc	\$ 66
Total Inorganic Nitrogen (TIN)	Calc	Calc	--		mg/L	280	300.0/4500 + Calc	\$ 39
MBAS	--	5540C	0.1	0.08	mg/L	280		\$ 39
Asbestos	100.1	2570	--		--	56	Sub-EMSL	\$ 365
Cyanide	335.4	4500	0.005	0.005	mg/L	95		\$ 39
Silica	200.7	3120, 3125	--	5	mg/L	31		\$ 12
Grain Size Analysis	ASTM D3977	--	--		mg/L	96	Sub-EMSL	\$ 247
Chlorophyll a	--	10200	1.0		ug/L	84	Sub-Weck	\$ 131
Bioassay - Chronic	1002.0, 1993, EPA 821-R-02-013	--	--		--	32	Ceriodaphnia dubia survival Sub-ABC	\$ 1,876

<u>Bacteriological</u>								
Total Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	155		\$ 43
Fecal Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	415		\$ 21
<i>Escherichia coli</i> (1, 0.1, 0.01 mL planted)	1603	9221, 9223	10		MPN/100mL	415	IDEXX 18hr	\$ 51
Fecal Streptococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	63		\$ 45
Enterococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	143		\$ 43

<u>Hydrocarbons</u>								
Total Recoverable Petroleum Hydrocarbons - Gasoline	418.1, 8015B	5520	5	0.05	mg/L	72		\$ 51
Total Recoverable Petroleum Hydrocarbons - Diesel	418.1, 8015D	5520	5	5	mg/L	72	8015B, 8015D not approved in CA	\$ 51

<u>Organic Compounds</u>								
Volatile Organic Compounds by GC/MS	8260, 1624	6410	--		ug/L	56		\$ 165
Semi-Volatile Organic Compounds by GC/MS	8270, 1625	6410, 6440	--		ug/L	57		\$ 247
PCDD/PCDF	8290, 613	--	--		ug/L	6	Sub-Bureau Veritas, EPA 1613	\$ 621
2,3,7,8-TCDD	8290, 613	--	--		ug/L	38	Sub-Bureau Veritas, EPA 1613	\$ 378
OrganoChlorine Pesticides & PCBs	8081, 608.1	6410, 6630	--		ug/L	75		\$ 86
OrganoPhosphorus Pesticides	8141, 614.1	--	--		ug/L	141	8270	\$ 148
Pyrethroid Pesticides	8270	--	--		ug/L	14	8321M-SPE	\$ 309

Chlorinated Herbicides (Chlorphenoxy-)	8151, 615	--	--		ug/L	15		\$ 150
Glyphosphate	547	--	0.5	25	ug/L	33		\$ 144
Diquat	549	--	0.5		ug/L	33	Sub-Weck	\$ 151
NonylPhenol	3535, 8310	--	--		ug/L	33	Sub-Weck	\$ 281
Imazapyr	M2468	--	1.0		ug/L	15	Sub-Weck	\$ 247
<u>Courier Services</u>								
Sample Courier (Fixed Cost per sample pickup event)						100		\$ 103
Sample Courier (Cost per mile)						50		\$ 3

¹ Laboratory may propose an alternative but equivalent method. Laboratory must have ELAP certification for the alternate method.

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Sample Analytical Methods Quantities and MDLs

FY 2025-2026

Constituent	Suggested Methods ¹		Required Detection Limit	Proposed Reporting Limit	Units	Anticipated Number of Samples per Year	Comments	Per Sample (Unit) Analytical Cost
	EPA	SM						
<i>Conventional</i>								
Biochemical Oxygen Demand (BOD)	405.1	5210	1.0	1.0	mg/L	215		\$ 46
Chemical Oxygen Demand (COD)	410	5220	0.5	10	mg/L	215		\$ 22
pH (Lab)	150.1	4500	--		pH Units	63		\$ 13
Electrical Conductivity (EC) (Lab)	120.1	RDL	2.5	1	mS/cm	71	SM 2510B	\$ 13
Dissolved Oxygen (Lab)	360.1	4500	0.5	0.1	mg/L	71		\$ 13
Color	--	2120	--		Color Units	71		\$ 9
Turbidity (Lab)	180.1	2130	2	0.1	NTU	63		\$ 9
Total Dissolved Solids (TDS)	160.1	2540	0.5	10	mg/L	263		\$ 18
Total Suspended Solids (TSS)	160.2	2540	0.5	0.5	mg/L	602		\$ 18
Volatile Suspended Solids	--	2540	1.0	0.5	mg/L	96		\$ 22
Total Organic Carbon (TOC)	415.3	5310	0.1	0.7	mg/L	236		\$ 41
Dissolved Organic Carbon	--	5310	0.1	0.7	mg/L	156		\$ 41
Oil and Grease (O&G)	413.1, 1664	5520	10	2.5	mg/L	111		\$ 45
<i>Metals: Total Recoverable and Dissolved</i>								
Antimony (Sb)	200.8	3120, 3125	0.5	0.5	ug/L	56		\$ 13
Arsenic (As), Total	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 13
Arsenic (As), Dissolved	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 13
Barium (Ba), Total	200.8	3120	2.0	1.0	ug/L	63		\$ 13
Barium (Ba), Dissolved	200.8	3120	2.0	1.0	ug/L	63		\$ 13
Beryllium (Be)	200.8	3120, 3125	0.3	0.5	ug/L	56		\$ 13
Boron (B), Total	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 13
Boron (B), Dissolved	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 13
Cadmium (Cd), Total	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 13
Cadmium (Cd), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 13
Chromium (Cr), Total	200.8	3120, 3125	2.0	0.5	ug/L	103		\$ 13
Chromium (Cr), Dissolved	200.8	3120, 3125	2.0	0.5	ug/L	31		\$ 13
Chromium VI (Cr6+)	200.8, 218.6	3500	0.3	1.0	ug/L	95		\$ 73
Cobalt (Co), Total	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 13

Cobalt (Co), Dissolved	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 13
Copper (Cu), Total	200.8	3120, 3125	1.0	0.5	ug/L	160		\$ 13
Copper (Cu), Dissolved	200.8	3120, 3125	1.0	0.5	ug/L	151		\$ 13
Iron (Fe), Total	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$ 13
Iron (Fe), Dissolved	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$ 13
Lead (Pb), Total	200.8	3120, 3125	0.2	0.5	ug/L	151		\$ 13
Lead (Pb), Dissolved	200.8	3120, 3125	0.2	0.5	ug/L	151		\$ 13
Manganese (Mn), Total	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$ 13
Manganese (Mn), Dissolved	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$ 13
Mercury (Hg), Total	200.8	3112	0.1	0.2	ug/L	95		\$ 26
Mercury (Hg), Dissolved	200.8	3112	0.1	0.2	ug/L	63		\$ 26
Nickel (Ni), Total	200.8	3120, 3125	1.0	1.0	ug/L	64		\$ 13
Nickel (Ni), Dissolved	200.8	3120, 3125	1.0	1.0	ug/L	64		\$ 13
Selenium (Se), Total	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$ 13
Selenium (Se), Dissolved	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$ 13
Silver (Ag), Total	200.8	3120, 3125	0.3	0.3	ug/L	95		\$ 13
Silver (Ag), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	95		\$ 13
Thallium (Tl)	200.8	3120, 3125	0.2	1.0	ug/L	56		\$ 13
Zinc (Zn), Total	200.8	3120, 3125	2.0	1.0	ug/L	151		\$ 13
Zinc (Zn), Dissolved	200.8	3120, 3125	2.0	1.0	ug/L	151		\$ 13
<u>General Minerals</u>								
Total Hardness as CaCO ₃	130	2340, HACH 8266	--		mg/L	289	Calculation	\$ -
Calcium (Ca)	215	3120	0.5	1	mg/L	68	EPA 200.7	\$ 13
Magnesium (Mg)	242.1	3120, 3125	0.5	1	mg/L	67	EPA 200.7	\$ 13
Sodium (Na)	273	3120, 3125	0.5	1	mg/L	140	EPA 200.7	\$ 13
Potassium (K)	200.7 / APHA	3120, 3125	0.5	1	mg/L	140		\$ 13
Total Alkalinity as CaCO ₃	130	2320	--		mg/L	200		\$ 17
Hydroxide (OH)	310.1	2320	--		mg/L	67	Included in alkalinity	\$ -
Calcium Carbonate (CO ₃)	310.1	2320	--		mg/L	67	Included in alkalinity	\$ -
Bicarbonate (HCO ₃)	130	2320	--		mg/L	67	Included in alkalinity	\$ -

<u>Others</u>								
Sulfate (SO ₄)	375.4	4500, 4110	0.25	0.5	mg/L	151	EPA 300.0	\$ 13
Chloride (Cl)	325	4500, 4110	1.0	1.0	mg/L	150	EPA 300.0	\$ 13
Flouride (F)	340	4500, 4110	0.05	0.1	mg/L	143	EPA 300.0	\$ 13
Ortho-Phosphate	365.2	4500, 4110	0.015	0.05	mg/L	343		\$ 17
Total Phosphorus (P-Total)	365.2	4500, 3120	0.015	0.01	mg/L	343		\$ 27
Total Dissolved Phosphorus	365.2	4500	0.015	0.05	mg/L	296		\$ 27

Ammonium Nitrogen (NH ₄ -N)	350	4500	0.030	0.100	mg/L	343		\$ 13
Nitrate Nitrogen (NO ₃ -N)	352.1	4500, 4110	0.020	0.200	mg/L	343	EPA 300.0	\$ 13
Nitrite Nitrogen (NO ₂ -N)	354.1	4500, 4110	0.050	0.100	mg/L	343	EPA 300.0	\$ 13
Total Kjeldahl Nitrogen (TKN)	351	4500	0.075	0.1	mg/L	158		\$ 43
Total Nitrogen (N-Total)	354.1	4500, 4110	0.025	0.2	mg/L	224	300.0/4500 + Calc	\$ 69
Total Dissolved Nitrogen	--	4500	0.025	0.2	mg/L	216	300.0/4500 + Calc	\$ 69
Total Inorganic Nitrogen (TIN)	Calc	Calc	--		mg/L	280	300.0/4500 + Calc	\$ 41
MBAS	--	5540C	0.1	0.08	mg/L	280		\$ 41
Asbestos	100.1	2570	--		--	56	Sub-EMSL	\$ 384
Cyanide	335.4	4500	0.005	0.005	mg/L	95		\$ 41
Silica	200.7	3120, 3125	--	5	mg/L	31		\$ 13
Grain Size Analysis	ASTM D3977	--	--		mg/L	96	Sub-EMSL	\$ 259
Chlorophyll a	--	10200	1.0		ug/L	84	Sub-Weck	\$ 137
Bioassay - Chronic	1002.0, 1993, EPA 821-R-02-013	--	--		--	32	Ceriodaphnia dubia survival Sub-ABC	\$ 1,970

<u>Bacteriological</u>								
Total Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	155		\$ 45
Fecal Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	415		\$ 22
<i>Escherichia coli</i> (1, 0.1, 0.01 mL planted)	1603	9221, 9223	10		MPN/100mL	415	IDEXX 18hr	\$ 54
Fecal Streptococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	63		\$ 48
Enterococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	143	or Enterolert	\$ 45

<u>Hydrocarbons</u>								
Total Recoverable Petroleum Hydrocarbons - Gasoline	418.1, 8015B	5520	5	0.05	mg/L	72		\$ 54
Total Recoverable Petroleum Hydrocarbons - Diesel	418.1, 8015D	5520	5	5	mg/L	72	8015B, 8015D not approved in CA	\$ 54

<u>Organic Compounds</u>								
Volatile Organic Compounds by GC/MS	8260, 1624	6410	--		ug/L	56		\$ 173
Semi-Volatile Organic Compounds by GC/MS	8270, 1625	6410, 6440	--		ug/L	57		\$ 259
PCDD/PCDF	8290, 613	--	--		ug/L	6	Sub-BV EPA 1613	\$ 652
2,3,7,8-TCDD	8290, 613	--	--		ug/L	38	Sub-BV EPA 1613	\$ 397
OrganoChlorine Pesticides & PCBs	8081, 608.1	6410, 6630	--		ug/L	75		\$ 90
OrganoPhosphorus Pesticides	8141, 614.1	--	--		ug/L	141	8270	\$ 155
Pyrethroid Pesticides	8270	--	--		ug/L	14	8321M-SPE	\$ 324

Chlorinated Herbicides (Chlorphenoxy-)	8151, 615	--	--		ug/L	15		\$ 157
Glyphosphate	547	--	0.5	25	ug/L	33		\$ 151
Diquat	549	--	0.5		ug/L	33	Sub-Weck	\$ 158
NonylPhenol	3535, 8310	--	--		ug/L	33	Sub-Weck	\$ 295
Imazapyr	M2468	--	1.0		ug/L	15	Sub-Weck	\$ 259
<u>Courier Services</u>								
Sample Courier (Fixed Cost per sample pickup event)						100		\$ 108
Sample Courier (Cost per mile)						50		\$ 3

¹ Laboratory may propose an alternative but equivalent method. Laboratory must have ELAP certification for the alternate method.

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FY 2026-2027

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pH (Lab)	150.1	4500	--		pH Units	63		\$ 14
Electrical Conductivity (EC) (Lab)	120.1	RDL	2.5	1	mS/cm	71	SM 2510B	\$ 14
Dissolved Oxygen (Lab)	360.1	4500	0.5	0.1	mg/L	71		\$ 14
Color	--	2120	--		Color Units	71		\$ 9
Turbidity (Lab)	180.1	2130	2	0.1	NTU	63		\$ 9
Total Dissolved Solids (TDS)	160.1	2540	0.5	10	mg/L	263		\$ 19
Total Suspended Solids (TSS)	160.2	2540	0.5	0.5	mg/L	602		\$ 19
Volatile Suspended Solids	--	2540	1.0	0.5	mg/L	96		\$ 24
Total Organic Carbon (TOC)	415.3	5310	0.1	0.7	mg/L	236		\$ 43
Dissolved Organic Carbon	--	5310	0.1	0.7	mg/L	156		\$ 43
Oil and Grease (O&G)	413.1, 1664	5520	10	2.5	mg/L	111		\$ 47
<i>Metals: Total Recoverable and Dissolved</i>								
Antimony (Sb)	200.8	3120, 3125	0.5	0.5	ug/L	56		\$ 14
Arsenic (As), Total	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 14
Arsenic (As), Dissolved	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 14
Barium (Ba), Total	200.8	3120	2.0	1.0	ug/L	63		\$ 14
Barium (Ba), Dissolved	200.8	3120	2.0	1.0	ug/L	63		\$ 14
Beryllium (Be)	200.8	3120, 3125	0.3	0.5	ug/L	56		\$ 14
Boron (B), Total	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 14
Boron (B), Dissolved	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 14
Cadmium (Cd), Total	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 14
Cadmium (Cd), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 14
Chromium (Cr), Total	200.8	3120, 3125	2.0	0.5	ug/L	103		\$ 14
Chromium (Cr), Dissolved	200.8	3120, 3125	2.0	0.5	ug/L	31		\$ 14
Chromium VI (Cr6+)	200.8, 218.6	3500	0.3	1.0	ug/L	95		\$ 77
Cobalt (Co), Total	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 14

Cobalt (Co), Dissolved	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 14
Copper (Cu), Total	200.8	3120, 3125	1.0	0.5	ug/L	160		\$ 14
Copper (Cu), Dissolved	200.8	3120, 3125	1.0	0.5	ug/L	151		\$ 14
Iron (Fe), Total	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$ 14
Iron (Fe), Dissolved	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$ 14
Lead (Pb), Total	200.8	3120, 3125	0.2	0.5	ug/L	151		\$ 14
Lead (Pb), Dissolved	200.8	3120, 3125	0.2	0.5	ug/L	151		\$ 14
Manganese (Mn), Total	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$ 14
Manganese (Mn), Dissolved	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$ 14
Mercury (Hg), Total	200.8	3112	0.1	0.2	ug/L	95		\$ 27
Mercury (Hg), Dissolved	200.8	3112	0.1	0.2	ug/L	63		\$ 27
Nickel (Ni), Total	200.8	3120, 3125	1.0	1.0	ug/L	64		\$ 14
Nickel (Ni), Dissolved	200.8	3120, 3125	1.0	1.0	ug/L	64		\$ 14
Selenium (Se), Total	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$ 14
Selenium (Se), Dissolved	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$ 14
Silver (Ag), Total	200.8	3120, 3125	0.3	0.3	ug/L	95		\$ 14
Silver (Ag), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	95		\$ 14
Thallium (Tl)	200.8	3120, 3125	0.2	1.0	ug/L	56		\$ 14
Zinc (Zn), Total	200.8	3120, 3125	2.0	1.0	ug/L	151		\$ 14
Zinc (Zn), Dissolved	200.8	3120, 3125	2.0	1.0	ug/L	151		\$ 14
<u>General Minerals</u>								
Total Hardness as CaCO ₃	130	2340, HACH 8266	--		mg/L	289	Calculation	\$ -
Calcium (Ca)	215	3120	0.5	1	mg/L	68	EPA 200.7	\$ 14
Magnesium (Mg)	242.1	3120, 3125	0.5	1	mg/L	67	EPA 200.7	\$ 14
Sodium (Na)	273	3120, 3125	0.5	1	mg/L	140	EPA 200.7	\$ 14
Potassium (K)	200.7 / APHA	3120, 3125	0.5	1	mg/L	140		\$ 14
Total Alkalinity as CaCO ₃	130	2320	--		mg/L	200		\$ 18
Hydroxide (OH)	310.1	2320	--		mg/L	67	Included in alkalinity	\$ -
Calcium Carbonate (CO ₃)	310.1	2320	--		mg/L	67	Included in alkalinity	\$ -
Bicarbonate (HCO ₃)	130	2320	--		mg/L	67	Included in alkalinity	\$ -

<u>Others</u>								
Sulfate (SO ₄)	375.4	4500, 4110	0.25	0.5	mg/L	151	EPA 300.0	\$ 14
Chloride (Cl)	325	4500, 4110	1.0	1.0	mg/L	150	EPA 300.0	\$ 14
Flouride (F)	340	4500, 4110	0.05	0.1	mg/L	143	EPA 300.0	\$ 14
Ortho-Phosphate	365.2	4500, 4110	0.015	0.05	mg/L	343		\$ 18
Total Phosporus (P-Total)	365.2	4500, 3120	0.015	0.01	mg/L	343		\$ 28
Total Dissolved Phosphorus	365.2	4500	0.015	0.05	mg/L	296		\$ 28

Ammonium Nitrogen (NH ₄ -N)	350	4500	0.030	0.100	mg/L	343		\$ 14
Nitrate Nitrogen (NO ₃ -N)	352.1	4500, 4110	0.020	0.200	mg/L	343	EPA 300.0	\$ 14
Nitrite Nitrogen (NO ₂ -N)	354.1	4500, 4110	0.050	0.100	mg/L	343	EPA 300.0	\$ 14
Total Kjeldahl Nitrogen (TKN)	351	4500	0.075	0.1	mg/L	158		\$ 45
Total Nitrogen (N-Total)	354.1	4500, 4110	0.025	0.2	mg/L	224	300.0/4500 + Calc	\$ 73
Total Dissolved Nitrogen	--	4500	0.025	0.2	mg/L	216	300.0/4500 + Calc	\$ 73
Total Inorganic Nitrogen (TIN)	Calc	Calc	--		mg/L	280	300.0/4500 + Calc	\$ 43
MBAS	--	5540C	0.1	0.08	mg/L	280		\$ 43
Asbestos	100.1	2570	--		--	56	Sub-EMSL	\$ 403
Cyanide	335.4	4500	0.005	0.005	mg/L	95		\$ 43
Silica	200.7	3120, 3125	--	5	mg/L	31		\$ 14
Grain Size Analysis	ASTM D3977	--	--		mg/L	96	Sub-EMSL	\$ 272
Chlorophyll a	--	10200	1.0		ug/L	84	Sub-Weck	\$ 144
Bioassay - Chronic	1002.0, 1993, EPA 821-R-02- 013	--	--		--	32	Ceriodaphnia dubia survival Sub-ABC	\$ 2,068

<u>Bacteriological</u>								
Total Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	155		\$ 47
Fecal Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	415		\$ 24
<i>Escherichia coli</i> (1, 0.1, 0.01 mL planted)	1603	9221, 9223	10		MPN/100mL	415	IDEXX 18hr	\$ 56
Fecal Streptococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	63		\$ 50
Enterococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	143	or Enterolert	\$ 47

<u>Hydrocarbons</u>								
Total Recoverable Petroleum Hydrocarbons - Gasoline	418.1, 8015B	5520	5	0.05	mg/L	72		\$ 56
Total Recoverable Petroleum Hydrocarbons - Diesel	418.1, 8015D	5520	5	5	mg/L	72	8015B, 8015D not approved in CA	\$ 56

<u>Organic Compounds</u>								
Volatile Organic Compounds by GC/MS	8260, 1624	6410	--		ug/L	56		\$ 181
Semi-Volatile Organic Compounds by GC/MS	8270, 1625	6410, 6440	--		ug/L	57		\$ 272
PCDD/PCDF	8290, 613	--	--		ug/L	6	Sub-BV EPA 1613	\$ 685
2,3,7,8-TCDD	8290, 613	--	--		ug/L	38	Sub-BV EPA 1613	\$ 417
OrganoChlorine Pesticides & PCBs	8081, 608.1	6410, 6630	--		ug/L	75		\$ 94
OrganoPhosphorus Pesticides	8141, 614.1	--	--		ug/L	141	8270	\$ 163
Pyrethroid Pesticides	8270	--	--		ug/L	14	8321M-SPE	\$ 340

Chlorinated Herbicides (Chlorphenoxy-)	8151, 615	--	--		ug/L	15		\$ 165
Glyphosphate	547	--	0.5	25	ug/L	33		\$ 159
Diquat	549	--	0.5		ug/L	33	Sub-Weck	\$ 166
NonylPhenol	3535, 8310	--	--		ug/L	33	Sub-Weck	\$ 310
Imazapyr	M2468	--	1.0		ug/L	15	Sub-Weck	\$ 272
<u>Courier Services</u>								
Sample Courier (Fixed Cost per sample pickup event)						100		\$ 113
Sample Courier (Cost per mile)						50		\$ 3

¹ Laboratory may propose an alternative but equivalent method. Laboratory must have ELAP certification for the alternate method.

TABLE E-1

Sample Analytical Methods Quantities and MDLs

FY 2027-2028

Constituent	Suggested Methods ¹		Required Detection Limit	Proposed Reporting Limit	Units	Anticipated Number of Samples per Year	Comments	Per Sample (Unit) Analytical Cost
	EPA	SM						
<i>Conventional</i>								
Biochemical Oxygen Demand (BOD)	405.1	5210	1.0	1.0	mg/L	215		\$ 50
Chemical Oxygen Demand (COD)	410	5220	0.5	10	mg/L	215		\$ 24
pH (Lab)	150.1	4500	--		pH Units	63		\$ 14
Electrical Conductivity (EC) (Lab)	120.1	RDL	2.5	1	mS/cm	71	SM 2510B	\$ 14
Dissolved Oxygen (Lab)	360.1	4500	0.5	0.1	mg/L	71		\$ 14
Color	--	2120	--		Color Units	71		\$ 10
Turbidity (Lab)	180.1	2130	2	0.1	NTU	63		\$ 10
Total Dissolved Solids (TDS)	160.1	2540	0.5	10	mg/L	263		\$ 20
Total Suspended Solids (TSS)	160.2	2540	0.5	0.5	mg/L	602		\$ 20
Volatile Suspended Solids	--	2540	1.0	0.5	mg/L	96		\$ 25
Total Organic Carbon (TOC)	415.3	5310	0.1	0.7	mg/L	236		\$ 45
Dissolved Organic Carbon	--	5310	0.1	0.7	mg/L	156		\$ 45
Oil and Grease (O&G)	413.1, 1664	5520	10	2.5	mg/L	111		\$ 50
<i>Metals: Total Recoverable and Dissolved</i>								
Antimony (Sb)	200.8	3120, 3125	0.5	0.5	ug/L	56		\$ 14
Arsenic (As), Total	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 14
Arsenic (As), Dissolved	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 14
Barium (Ba), Total	200.8	3120	2.0	1.0	ug/L	63		\$ 14
Barium (Ba), Dissolved	200.8	3120	2.0	1.0	ug/L	63		\$ 14
Beryllium (Be)	200.8	3120, 3125	0.3	0.5	ug/L	56		\$ 14
Boron (B), Total	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 14
Boron (B), Dissolved	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 14
Cadmium (Cd), Total	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 14
Cadmium (Cd), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 14
Chromium (Cr), Total	200.8	3120, 3125	2.0	0.5	ug/L	103		\$ 14
Chromium (Cr), Dissolved	200.8	3120, 3125	2.0	0.5	ug/L	31		\$ 14
Chromium VI (Cr6+)	200.8, 218.6	3500	0.3	1.0	ug/L	95		\$ 81
Cobalt (Co), Total	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 14

Cobalt (Co), Dissolved	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 14
Copper (Cu), Total	200.8	3120, 3125	1.0	0.5	ug/L	160		\$ 14
Copper (Cu), Dissolved	200.8	3120, 3125	1.0	0.5	ug/L	151		\$ 14
Iron (Fe), Total	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$ 14
Iron (Fe), Dissolved	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$ 14
Lead (Pb), Total	200.8	3120, 3125	0.2	0.5	ug/L	151		\$ 14
Lead (Pb), Dissolved	200.8	3120, 3125	0.2	0.5	ug/L	151		\$ 14
Manganese (Mn), Total	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$ 14
Manganese (Mn), Dissolved	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$ 14
Mercury (Hg), Total	200.8	3112	0.1	0.2	ug/L	95		\$ 29
Mercury (Hg), Dissolved	200.8	3112	0.1	0.2	ug/L	63		\$ 29
Nickel (Ni), Total	200.8	3120, 3125	1.0	1.0	ug/L	64		\$ 14
Nickel (Ni), Dissolved	200.8	3120, 3125	1.0	1.0	ug/L	64		\$ 14
Selenium (Se), Total	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$ 14
Selenium (Se), Dissolved	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$ 14
Silver (Ag), Total	200.8	3120, 3125	0.3	0.3	ug/L	95		\$ 14
Silver (Ag), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	95		\$ 14
Thallium (Tl)	200.8	3120, 3125	0.2	1.0	ug/L	56		\$ 14
Zinc (Zn), Total	200.8	3120, 3125	2.0	1.0	ug/L	151		\$ 14
Zinc (Zn), Dissolved	200.8	3120, 3125	2.0	1.0	ug/L	151		\$ 14
<u>General Minerals</u>								
Total Hardness as CaCO ₃	130	2340, HACH 8266	--		mg/L	289	Calculation	\$ -
Calcium (Ca)	215	3120	0.5	1	mg/L	68	EPA 200.7	\$ 14
Magnesium (Mg)	242.1	3120, 3125	0.5	1	mg/L	67	EPA 200.7	\$ 14
Sodium (Na)	273	3120, 3125	0.5	1	mg/L	140	EPA 200.7	\$ 14
Potassium (K)	200.7 / APHA	3120, 3125	0.5	1	mg/L	140		\$ 14
Total Alkalinity as CaCO ₃	130	2320	--		mg/L	200		\$ 19
Hydroxide (OH)	310.1	2320	--		mg/L	67	Included in alkalinity	\$ -
Calcium Carbonate (CO ₃)	310.1	2320	--		mg/L	67	Included in alkalinity	\$ -
Bicarbonate (HCO ₃)	130	2320	--		mg/L	67	Included in alkalinity	\$ -

<u>Others</u>								
Sulfate (SO ₄)	375.4	4500, 4110	0.25	0.5	mg/L	151	EPA 300.0	\$ 14
Chloride (Cl)	325	4500, 4110	1.0	1.0	mg/L	150	EPA 300.0	\$ 14
Flouride (F)	340	4500, 4110	0.05	0.1	mg/L	143	EPA 300.0	\$ 14
Ortho-Phosphate	365.2	4500, 4110	0.015	0.05	mg/L	343		\$ 19
Total Phosphorus (P-Total)	365.2	4500, 3120	0.015	0.01	mg/L	343		\$ 30
Total Dissolved Phosphorus	365.2	4500	0.015	0.05	mg/L	296		\$ 30

Ammonium Nitrogen (NH ₄ -N)	350	4500	0.030	0.100	mg/L	343		\$ 14
Nitrate Nitrogen (NO ₃ -N)	352.1	4500, 4110	0.020	0.200	mg/L	343	EPA 300.0	\$ 14
Nitrite Nitrogen (NO ₂ -N)	354.1	4500, 4110	0.050	0.100	mg/L	343	EPA 300.0	\$ 14
Total Kjeldahl Nitrogen (TKN)	351	4500	0.075	0.1	mg/L	158		\$ 48
Total Nitrogen (N-Total)	354.1	4500, 4110	0.025	0.2	mg/L	224	300.0/4500 + Calc	\$ 76
Total Dissolved Nitrogen	--	4500	0.025	0.2	mg/L	216	300.0/4500 + Calc	\$ 76
Total Inorganic Nitrogen (TIN)	Calc	Calc	--		mg/L	280	300.0/4500 + Calc	\$ 45
MBAS	--	5540C	0.1	0.08	mg/L	280		\$ 45
Asbestos	100.1	2570	--		--	56	Sub-EMSL	\$ 423
Cyanide	335.4	4500	0.005	0.005	mg/L	95		\$ 45
Silica	200.7	3120, 3125	--	5	mg/L	31		\$ 14
Grain Size Analysis	ASTM D3977	--	--		mg/L	96	Sub-EMSL	\$ 286
Chlorophyll a	--	10200	1.0		ug/L	84	Sub-Weck	\$ 151
Bioassay - Chronic	1002.0, 1993, EPA 821-R-02- 013	--	--		--	32	Ceriodaphnia dubia survival Sub-ABC	\$ 2,171

<u>Bacteriological</u>								
Total Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	155		\$ 50
Fecal Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	415		\$ 25
<i>Escherichia coli</i> (1, 0.1, 0.01 mL planted)	1603	9221, 9223	10		MPN/100mL	415	IDEXX 18hr	\$ 59
Fecal Streptococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	63		\$ 52
Enterococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	143	or Enterolert	\$ 50

<u>Hydrocarbons</u>								
Total Recoverable Petroleum Hydrocarbons - Gasoline	418.1, 8015B	5520	5	0.05	mg/L	72		\$ 59
Total Recoverable Petroleum Hydrocarbons - Diesel	418.1, 8015D	5520	5	5	mg/L	72	8015B, 8015D not approved in CA	\$ 59

<u>Organic Compounds</u>								
Volatile Organic Compounds by GC/MS	8260, 1624	6410	--		ug/L	56		\$ 190
Semi-Volatile Organic Compounds by GC/MS	8270, 1625	6410, 6440	--		ug/L	57		\$ 286
PCDD/PCDF	8290, 613	--	--		ug/L	6	Sub-BV EPA 1613	\$ 719
2,3,7,8-TCDD	8290, 613	--	--		ug/L	38	Sub-BV EPA 1613	\$ 438
OrganoChlorine Pesticides & PCBs	8081, 608.1	6410, 6630	--		ug/L	75		\$ 99
OrganoPhosphorus Pesticides	8141, 614.1	--	--		ug/L	141	8270	\$ 171
Pyrethroid Pesticides	8270	--	--		ug/L	14	8321M-SPE	\$ 357

Chlorinated Herbicides (Chlorphenoxy-)	8151, 615	--	--		ug/L	15		\$ 173
Glyphosphate	547	--	0.5	25	ug/L	33		\$ 167
Diquat	549	--	0.5		ug/L	33	Sub-Weck	\$ 174
NonylPhenol	3535, 8310	--	--		ug/L	33	Sub-Weck	\$ 326
Imazapyr	M2468	--	1.0		ug/L	15	Sub-Weck	\$ 286
<u>Courier Services</u>								
Sample Courier (Fixed Cost per sample pickup event)						100		\$ 119
Sample Courier (Cost per mile)						50		\$ 4

¹ Laboratory may propose an alternative but equivalent method. Laboratory must have ELAP certification for the alternate method.

TABLE E-1

Sample Analytical Methods Quantities and MDLs

FY 2028-
2029

Constituent	Suggested Methods ¹		Required Detection Limit	Proposed Reporting Limit	Units	Anticipated Number of Samples per Year	Comments	Per Sample (Unit) Analytical Cost
	EPA	SM						
<i>Conventional</i>								
Biochemical Oxygen Demand (BOD)	405.1	5210	1.0	1.0	mg/L	215		\$ 53
Chemical Oxygen Demand (COD)	410	5220	0.5	10	mg/L	215		\$ 25
pH (Lab)	150.1	4500	--		pH Units	63		\$ 15
Electrical Conductivity (EC) (Lab)	120.1	RDL	2.5	1	mS/cm	71	SM 2510B	\$ 15
Dissolved Oxygen (Lab)	360.1	4500	0.5	0.1	mg/L	71		\$ 15
Color	--	2120	--		Color Units	71		\$ 10
Turbidity (Lab)	180.1	2130	2	0.1	NTU	63		\$ 10
Total Dissolved Solids (TDS)	160.1	2540	0.5	10	mg/L	263		\$ 21
Total Suspended Solids (TSS)	160.2	2540	0.5	0.5	mg/L	602		\$ 21
Volatile Suspended Solids	--	2540	1.0	0.5	mg/L	96		\$ 26
Total Organic Carbon (TOC)	415.3	5310	0.1	0.7	mg/L	236		\$ 47
Dissolved Organic Carbon	--	5310	0.1	0.7	mg/L	156		\$ 47
Oil and Grease (O&G)	413.1, 1664	5520	10	2.5	mg/L	111		\$ 52
<i>Metals: Total Recoverable and Dissolved</i>								
Antimony (Sb)	200.8	3120, 3125	0.5	0.5	ug/L	56		\$ 15
Arsenic (As), Total	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 15
Arsenic (As), Dissolved	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 15
Barium (Ba), Total	200.8	3120	2.0	1.0	ug/L	63		\$ 15
Barium (Ba), Dissolved	200.8	3120	2.0	1.0	ug/L	63		\$ 15
Beryllium (Be)	200.8	3120, 3125	0.3	0.5	ug/L	56		\$ 15
Boron (B), Total	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 15
Boron (B), Dissolved	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 15
Cadmium (Cd), Total	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 15
Cadmium (Cd), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 15
Chromium (Cr), Total	200.8	3120, 3125	2.0	0.5	ug/L	103		\$ 15
Chromium (Cr), Dissolved	200.8	3120, 3125	2.0	0.5	ug/L	31		\$ 15
Chromium VI (Cr6+)	200.8, 218.6	3500	0.3	1.0	ug/L	95		\$ 85
Cobalt (Co), Total	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 15

Cobalt (Co), Dissolved	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 15
Copper (Cu), Total	200.8	3120, 3125	1.0	0.5	ug/L	160		\$ 15
Copper (Cu), Dissolved	200.8	3120, 3125	1.0	0.5	ug/L	151		\$ 15
Iron (Fe), Total	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$ 15
Iron (Fe), Dissolved	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$ 15
Lead (Pb), Total	200.8	3120, 3125	0.2	0.5	ug/L	151		\$ 15
Lead (Pb), Dissolved	200.8	3120, 3125	0.2	0.5	ug/L	151		\$ 15
Manganese (Mn), Total	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$ 15
Manganese (Mn), Dissolved	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$ 15
Mercury (Hg), Total	200.8	3112	0.1	0.2	ug/L	95		\$ 30
Mercury (Hg), Dissolved	200.8	3112	0.1	0.2	ug/L	63		\$ 30
Nickel (Ni), Total	200.8	3120, 3125	1.0	1.0	ug/L	64		\$ 15
Nickel (Ni), Dissolved	200.8	3120, 3125	1.0	1.0	ug/L	64		\$ 15
Selenium (Se), Total	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$ 15
Selenium (Se), Dissolved	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$ 15
Silver (Ag), Total	200.8	3120, 3125	0.3	0.3	ug/L	95		\$ 15
Silver (Ag), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	95		\$ 15
Thallium (Tl)	200.8	3120, 3125	0.2	1.0	ug/L	56		\$ 15
Zinc (Zn), Total	200.8	3120, 3125	2.0	1.0	ug/L	151		\$ 15
Zinc (Zn), Dissolved	200.8	3120, 3125	2.0	1.0	ug/L	151		\$ 15
<u>General Minerals</u>								
Total Hardness as CaCO ₃	130	2340, HACH 8266	--		mg/L	289	Calculation	\$ -
Calcium (Ca)	215	3120	0.5	1	mg/L	68	EPA 200.7	\$ 15
Magnesium (Mg)	242.1	3120, 3125	0.5	1	mg/L	67	EPA 200.7	\$ 15
Sodium (Na)	273	3120, 3125	0.5	1	mg/L	140	EPA 200.7	\$ 15
Potassium (K)	200.7 / APHA	3120, 3125	0.5	1	mg/L	140		\$ 15
Total Alkalinity as CaCO ₃	130	2320	--		mg/L	200		\$ 20
Hydroxide (OH)	310.1	2320	--		mg/L	67	Included in alkalinity	\$ -
Calcium Carbonate (CO ₃)	310.1	2320	--		mg/L	67	Included in alkalinity	\$ -
Bicarbonate (HCO ₃)	130	2320	--		mg/L	67	Included in alkalinity	\$ -

<u>Others</u>								
Sulfate (SO ₄)	375.4	4500, 4110	0.25	0.5	mg/L	151	EPA 300.0	\$ 15
Chloride (Cl)	325	4500, 4110	1.0	1.0	mg/L	150	EPA 300.0	\$ 15
Flouride (F)	340	4500, 4110	0.05	0.1	mg/L	143	EPA 300.0	\$ 15
Ortho-Phosphate	365.2	4500, 4110	0.015	0.05	mg/L	343		\$ 20
Total Phosporus (P-Total)	365.2	4500, 3120	0.015	0.01	mg/L	343		\$ 31
Total Dissolved Phosphorus	365.2	4500	0.015	0.05	mg/L	296		\$ 31
Ammonium Nitrogen (NH ₄ -N)	350	4500	0.030	0.100	mg/L	343		\$ 15
Nitrate Nitrogen (NO ₃ -N)	352.1	4500, 4110	0.020	0.200	mg/L	343	EPA 300.0	\$ 15
Nitrite Nitrogen (NO ₂ -N)	354.1	4500, 4110	0.050	0.100	mg/L	343	EPA 300.0	\$ 15
Total Kjeldahl Nitrogen (TKN)	351	4500	0.075	0.1	mg/L	158		\$ 50
Total Nitrogen (N-Total)	354.1	4500, 4110	0.025	0.2	mg/L	224	300.0/4500 + Calc	\$ 80
Total Dissolved Nitrogen	--	4500	0.025	0.2	mg/L	216	300.0/4500 + Calc	\$ 80
Total Inorganic Nitrogen (TIN)	Calc	Calc	--		mg/L	280	300.0/4500 + Calc	\$ 47
MBAS	--	5540C	0.1	0.08	mg/L	280		\$ 47
Asbestos	100.1	2570	--		--	56	Sub-EMSL	\$ 444
Cyanide	335.4	4500	0.005	0.005	mg/L	95		\$ 47
Silica	200.7	3120, 3125	--	5	mg/L	31		\$ 15
Grain Size Analysis	ASTM D3977	--	--		mg/L	96	Sub-EMSL	\$ 300
Chlorophyll <i>a</i>	--	10200	1.0		ug/L	84	Sub-Weck	\$ 159
Bioassay - Chronic	1002.0, 1993, EPA 821-R-02-013	--	--		--	32	Ceriodaphnia dubia survival Suib-ABC	\$ 2,280

<u>Bacteriological</u>								
Total Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	155		\$ 52
Fecal Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	415		\$ 26
<i>Escherichia coli</i> (1, 0.1, 0.01 mL planted)	1603	9221, 9223	10		MPN/100mL	415	IDEXX 18hr	\$ 62
Fecal Streptococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	63		\$ 55
Enterococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	143	or Enterolert	\$ 52

<u>Hydrocarbons</u>								
Total Recoverable Petroleum Hydrocarbons - Gasoline	418.1, 8015B	5520	5	0.05	mg/L	72		\$ 62
Total Recoverable Petroleum Hydrocarbons - Diesel	418.1, 8015D	5520	5	5	mg/L	72	8015B, 8015D not approved in CA	\$ 62

<u>Organic Compounds</u>								

Volatile Organic Compounds by GC/MS	8260, 1624	6410	--		ug/L	56		\$ 200
Semi-Volatile Organic Compounds by GC/MS	8270, 1625	6410, 6440	--		ug/L	57		\$ 300
PCDD/PCDF	8290, 613	--	--		ug/L	6	Sub-BV EPA 1613	\$ 755
2,3,7,8-TCDD	8290, 613	--	--		ug/L	38	Sub-BV EPA 1613	\$ 460
OrganoChlorine Pesticides & PCBs	8081, 608.1	6410, 6630	--		ug/L	75		\$ 104
OrganoPhosphorus Pesticides	8141, 614.1	--	--		ug/L	141	8270	\$ 180
Pyrethoid Pesticides	8270	--	--		ug/L	14	8321M-SPE	\$ 375
Chlorinated Herbicides (Chlorphenoxy-)	8151, 615	--	--		ug/L	15		\$ 182
Glyphosphate	547	--	0.5	25	ug/L	33		\$ 175
Diquat	549	--	0.5		ug/L	33	Sub-Weck	\$ 183
NonylPhenol	3535, 8310	--	--		ug/L	33	Sub-Weck	\$ 342
Imazapyr	M2468	--	1.0		ug/L	15	Sub-Weck	\$ 300
<u>Courier Services</u>								
Sample Courier (Fixed Cost per sample pickup event)						100		\$ 125
Sample Courier (Cost per mile)						50		\$ 4

¹ Laboratory may propose an alternative but equivalent method. Laboratory must have ELAP certification for the alternate method.