

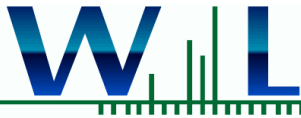
Analytical Service Quotation

Contact: Megan Otto
Client Name: Geosyntec Consultants - Los Angeles
Address: 3415 S. Sepulveda Blvd. Suite 500
Los Angeles, CA 90034
Phone: (310) 957-6100
Fax: (310) 957-6101

Printed: 4/14/2014
Effective: 02/21/14
Expires: 12/31/14

Project: MS4 - Storm Water Monitoring 140414

Code	Method	Qty	TAT (workdays)	Unit Price	Extended Price
Water					
200.7 Hardness	varies	1	15	\$15.00	\$15.00
Alkalinity, total - SM 2320B	SM 2320B	1	15	\$5.00	\$5.00
Aluminum - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Aluminum, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Ammonia-N - EPA 350.1	EPA 350.1	1	15	\$15.00	\$15.00
Antimony - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Antimony, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Arsenic - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Arsenic, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Beryllium - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Beryllium, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Biochemical Oxygen Demand - SM5210B	SM 5210B	1	15	\$40.00	\$40.00
Cadmium - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Cadmium, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Chemical Oxygen Demand - EPA 410.4	EPA 410.4	1	15	\$20.00	\$20.00
Chloride - EPA 300.0	EPA 300.0	1	15	\$15.00	\$15.00
Chromium - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Chromium, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Chromium, Hexavalent - EPA 218.6	EPA 218.6	1	15	\$100.00	\$100.00
Chromium, Hexavalent, dissolved - EPA 218.6	EPA 218.6	1	15	\$100.00	\$100.00
Copper - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Copper, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Cyanide, Total - ASTM D 7511	ASTM D7511	1	15	\$40.00	\$40.00
Dissolved Oxygen - SM 4500O G	SM 4500O-G	1	15	\$15.00	\$15.00
E.Coli Coliform by Enumeration SM9221 F	SM 9221F	1	15	\$20.00	\$20.00
Enterococcus - Enterolert	Enterolert	1	15	\$35.00	\$35.00
EPA 515.3 - Chlorinated Acid Herbicides	EPA 515.3	1	15	\$100.00	\$100.00
EPA 525.2 - 507 full list	EPA 525.2	1	15	\$90.00	\$90.00
EPA 525.2 Mod - OPP low-level	EPA 525.2M	1	15	\$170.00	\$170.00
EPA 547 - Glyphosate	EPA 547	1	15	\$90.00	\$90.00
EPA 608 - Organochlorine Pesticides/PCBs Low Lvl	EPA 608	1	15	\$150.00	\$150.00
EPA 624 - Volatile Organic Compounds CTR	EPA 624	1	15	\$90.00	\$90.00
EPA 625 - Polynuclear Aromatics-SIM	EPA 625	1	15	\$175.00	\$175.00
EPA 625 - Semivolatile Organic Compounds CTR	EPA 625	1	15	\$250.00	\$250.00
EPA 8015B - Diesel & Oil Range Organics (DRO/ORO)	EPA 8015B	1	15	\$45.00	\$45.00
EPA 8015B - Gasoline Range Organics (GRO)	EPA 8015B	1	15	\$35.00	\$35.00
Fecal Coliform by Enumeration SM9221E 3 dilutions	SM 9221E	1	15	\$25.00	\$25.00
Fluoride - EPA 300.0	EPA 300.0	1	15	\$15.00	\$15.00
Iron - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Iron, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00



Code	Method	Qty	TAT (workdays)	Unit Price	Extended Price
Lead - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Lead, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
MBAS - SM 5540 C	SM 5540C	1	15	\$30.00	\$30.00
Mercury - EPA 245.1	EPA 245.1	1	15	\$30.00	\$30.00
Mercury, dissolved - EPA 245.1	EPA 245.1	1	15	\$30.00	\$30.00
Nickel - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Nickel, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Nitrite+Nitrate-N - EPA 300.0	EPA 300.0	1	15	\$15.00	\$15.00
Oil and Grease - EPA 1664A	EPA 1664A	1	15	\$40.00	\$40.00
Perchlorate - EPA 314.0	EPA 314.0	1	15	\$40.00	\$40.00
pH - SM 4500 H B	SM 4500H+-B	1	15	\$10.00	\$10.00
Phenolics in water - EPA 420.4	EPA 420.4	1	15	\$45.00	\$45.00
Phosphorus Dissolved - EPA 365.3	EPA 365.3	1	15	\$40.00	\$40.00
Phosphorus, Total as P - EPA 365.1	EPA 365.1	1	15	\$30.00	\$30.00
Selenium - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Selenium, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Silver - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Silver, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Specific Conductance (EC) - SM 2510B	SM 2510B	1	15	\$25.00	\$25.00
Sulfate - EPA 300.0	EPA 300.0	1	15	\$15.00	\$15.00
Temperature, F - client	Field	1	15	\$0.00	\$0.00
Thallium - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Thallium, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Total Coliforms by Enumeration SM9221B 3 dil.	SM 9221B	1	15	\$45.00	\$45.00
Total Dissolved Solids - SM 2540C	SM 2540C	1	15	\$15.00	\$15.00
Total Kjeldahl Nitrogen by EPA 351.2	EPA 351.2	1	15	\$35.00	\$35.00
Total Organic Carbon - SM 5310C	SM 5310C	1	15	\$35.00	\$35.00
Total Suspended Solids - SM2540D	SM 2540D	1	15	\$15.00	\$15.00
Turbidity - EPA 180.1	EPA 180.1	1	15	\$10.00	\$10.00
Volatile Suspended Solids - 160.4	EPA 160.4	1	15	\$15.00	\$15.00
Zinc - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Zinc, dissolved - EPA 200.8	EPA 200.8	1	15	\$10.00	\$10.00
Additional Items					
EDD - CEDEN per upload		1		\$35.00	\$35.00
Extra per micro dilution		1		\$10.00	\$10.00
Filtration Fee		1		\$15.00	\$15.00

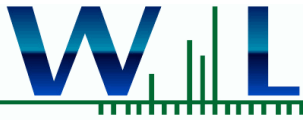
Bid Total: \$2,515.00

200.7 Hardness consists of:

Calcium - EPA 200.7

Comments:

Weekend charge \$75.00 and holiday charge is \$150.00 per day per batch of microbiological samples checked or incubated.



Marilyn Romero
Client Services Manager

Payment terms are NET 30 days from invoice date. New accounts require payment prior to the release of test results until a credit application has been approved. Weck Laboratories accepts credit card payments (VISA/Master Card, American Express). Credit application/credit card approval form and Weck Laboratories' terms & conditions can be found at www.wecklabs.com under Resources



Analytical Method Information

Analyte	MDL	MRL	Units	Surr. % R	DUP RPD	Matrix Spike		Blank Spike		CASNumber
						% R	RPD	% R	RPD	
200.7 Hardness by EPA 200.7 (Water)										
Calcium, Total	0.0160	0.100	mg/l	-	30	70-130	30	85-115	30	7440-70-2
Alkalinity, total - SM 2320B by SM 2320B (Water)										
Alkalinity as CaCO3	0.56	2.0	mg/l	-	15	-		94-108	15	NA
Aluminum - EPA 200.8 by EPA 200.8 (Water)										
Aluminum, Total	2.1	5.0	ug/l	-	30	70-130	30	85-115	30	7429-90-5
Aluminum, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Aluminum, Dissolved	2.1	5.0	ug/l	-	30	70-130	30	85-115	30	7429-90-5
Ammonia-N - EPA 350.1 by EPA 350.1 (Water)										
Ammonia as N	0.048	0.10	mg/l	-	15	90-110	15	90-110	15	7664-41-7
Antimony - EPA 200.8 by EPA 200.8 (Water)										
Antimony, Total	0.034	0.50	ug/l	-	30	70-130	30	85-115	30	7440-36-0
Antimony, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Antimony, Dissolved	0.034	0.50	ug/l	-	30	70-130	30	85-115	30	7440-36-0
Arsenic - EPA 200.8 by EPA 200.8 (Water)										
Arsenic, Total	0.13	0.40	ug/l	-	30	70-130	30	85-115	30	7440-38-2
Arsenic, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Arsenic, Dissolved	0.13	0.40	ug/l	-	30	70-130	30	85-115	30	7440-38-2
Beryllium - EPA 200.8 by EPA 200.8 (Water)										
Beryllium, Total	0.015	0.10	ug/l	-	30	70-130	30	85-115	30	7440-41-7
Beryllium, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Beryllium, Dissolved	0.015	0.10	ug/l	-	30	70-130	30	85-115	30	7440-41-7
Biochemical Oxygen Demand - SM5210B by SM 5210B (Water)										
Biochemical Oxygen Demand	2.0	2.0	mg/l	-	20	-		85-115	20	NA
Cadmium - EPA 200.8 by EPA 200.8 (Water)										
Cadmium, Total	0.017	0.10	ug/l	-	30	70-130	30	85-115	30	7440-43-9
Cadmium, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Cadmium, Dissolved	0.017	0.10	ug/l	-	30	70-130	30	85-115	30	7440-43-9
Chemical Oxygen Demand - EPA 410.4 by EPA 410.4 (Water)										
Chemical Oxygen Demand	0.73	5.0	mg/l	-	15	90-110	15	90-110	15	NA
Chloride - EPA 300.0 by EPA 300.0 (Water)										
Chloride, Total	0.10	0.50	mg/l	-	20	76-118	20	90-110	20	16887-00-6
Chromium - EPA 200.8 by EPA 200.8 (Water)										
Chromium, Total	0.024	0.20	ug/l	-	30	70-130	30	85-115	30	7440-47-3
Chromium, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Chromium, Dissolved	0.024	0.20	ug/l	-	30	70-130	30	85-115	30	7440-47-3
Chromium, Hexavalent - EPA 218.6 by EPA 218.6 (Water)										
Chromium 6+	0.0048	0.30	ug/l	-	10	88-112	10	90-110	10	18540-29-9
Chromium, Hexavalent, dissolved - EPA 218.6 by EPA 218.6 (Water)										
Chromium 6+, Dissolved	0.0048	0.30	ug/l	-	10	88-112	10	90-110	10	1854-02-99
Copper - EPA 200.8 by EPA 200.8 (Water)										
Copper, Total	0.036	0.50	ug/l	-	30	70-130	30	85-115	30	7440-50-8



Analyte	MDL	MRL	Units	Surr. % R	DUP RPD	Matrix Spike		Blank Spike		CASNumber
						% R	RPD	% R	RPD	
Copper, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Copper, Dissolved	0.036	0.50	ug/l	-	30	70-130	30	85-115	30	7440-50-8
Cyanide, Total - ASTM D 7511 by ASTM D7511 (Water)										
Cyanide, Total	0.48	2.0	ug/l	-	20	64-136	47	84-116	12	57-12-5
Dissolved Oxygen - SM 4500O G by SM 4500O-G (Water)										
Dissolved Oxygen	0.500	1.00	mg/l	-		-		-		7782-44-7
E.Coli Coliform by Enumeration SM9221 F by SM 9221F (Water)										
E. coli		2.0	MPN/100ml	-		-		-		NA
Enterococcus - Enterolert by Enterolert (Water)										
Enterococcus	1.0	1.0	MPN/100ml	-		-		-		NA
EPA 515.3 - Chlorinated Acid Herbicides by EPA 515.3 (Water)										
2,4,5-T	0.070	0.20	ug/l	-	30	70-130	30	70-130	30	93-76-5
2,4,5-TP (Silvex)	0.090	0.20	ug/l	-	30	70-130	30	70-130	30	93-72-1
2,4-D	0.070	0.40	ug/l	-	30	70-130	30	70-130	30	94-75-7
2,4-DB	0.070	2.0	ug/l	-	30	70-130	30	70-130	30	94-82-6
3,5-Dichlorobenzoic acid	0.090	1.0	ug/l	-	30	70-130	30	70-130	30	51-36-5
Acifluorfen	0.060	0.40	ug/l	-	30	70-130	30	70-130	30	50594-66-6
Bentazon	0.11	2.0	ug/l	-	30	70-130	30	70-130	30	25057-89-0
Dalapon	0.10	0.40	ug/l	-	30	70-130	30	70-130	30	75-99-0
DCPA	0.070	0.10	ug/l	-	30	70-130	30	70-130	30	1861-32-1
Dicamba	0.12	0.60	ug/l	-	30	70-130	30	70-130	30	1918-00-9
Dichloroprop	0.080	0.30	ug/l	-	30	70-130	30	70-130	30	120-36-5
Dinoseb	0.14	0.40	ug/l	-	30	70-130	30	70-130	30	88-85-7
Pentachlorophenol	0.040	0.20	ug/l	-	30	70-130	30	70-130	30	87-86-5
Picloram	0.050	0.60	ug/l	-	30	70-130	30	70-130	30	1918-02-1
2,4-DCAA	-	-	Surrogate	70-130		-		-		19719-28-9
EPA 525.2 - 507 full list by EPA 525.2 (Water)										
Alachlor	0.022	0.10	ug/l	-	30	44-149	30	55-124	30	15972-60-8
Atrazine	0.034	0.10	ug/l	-	30	67-145	30	67-131	30	1912-24-9
Bromacil	0.038	0.50	ug/l	-	30	60-160	30	62-139	30	314-40-9
Butachlor	0.017	0.10	ug/l	-	30	53-146	30	61-127	30	23184-66-9
Chloroprotham	0.010	0.10	ug/l	-	30	80-156	30	77-143	30	101-21-3
Diazinon	0.096	0.10	ug/l	-	30	21-153	30	30-120	30	333-41-5
Dimethoate	0.024	0.20	ug/l	-	30	40-132	30	38-102	30	60-51-5
Diphenamid	0.024	0.10	ug/l	-	30	80-130	30	77-124	30	957-51-7
Disulfoton	0.031	0.10	ug/l	-	30	24-164	30	54-156	30	298-04-4
EPTC	0.017	0.10	ug/l	-	30	75-126	30	82-116	30	759-94-4
Metolachlor	0.012	0.10	ug/l	-	30	60-137	30	61-123	30	51218-45-2
Metribuzin	0.015	0.10	ug/l	-	30	47-125	30	50-121	30	21087-64-9
Molinate	0.039	0.10	ug/l	-	30	81-125	30	82-117	30	2212-67-1
Prometon	0.024	0.10	ug/l	-	30	28-112	30	17-101	30	1610-18-0
Prometryn	0.036	0.10	ug/l	-	30	61-127	30	57-122	30	7287-19-6
Simazine	0.015	0.10	ug/l	-	30	55-113	30	53-116	30	122-34-9
Terbacil	0.55	2.0	ug/l	-	30	72-155	30	70-135	30	5902-51-2
Thiobencarb	0.025	0.10	ug/l	-	30	45-145	30	56-125	30	28249-77-6
1,3-Dimethyl-2-nitrobenzene	-	-	Surrogate	73-138		-		-		81-20-9
Perylene-d12	-	-	Surrogate	30-118		-		-		1520-96-3
Triphenyl phosphate	-	-	Surrogate	70-149		-		-		115-86-6



Analyte	MDL	MRL	Units	Surr. % R	DUP RPD	Matrix Spike		Blank Spike		CASNumber
						% R	RPD	% R	RPD	
EPA 525.2 Mod - OPP low-level by EPA 525.2M (Water)										
Azinphos methyl (Guthion)	5.5	10	ng/l	-	30	0.1-154	30	0.1-188	30	86-50-0
Bolstar	4.6	10	ng/l	-	30	4-184	30	11-166	30	35400-43-2
Chlorpyrifos	6.9	10	ng/l	-	30	37-168	30	37-169	30	2921-88-2
Coumaphos	5.1	10	ng/l	-	30	0.1-203	30	0.1-225	30	56-72-4
Demeton-o	10	10	ng/l	-	30	0.1-208	30	0.1-211	30	298-03-3
Demeton-s	10	10	ng/l	-	30	0.1-207	30	0.1-213	30	126-75-0
Diazinon	5.2	10	ng/l	-	30	36-153	30	43-152	30	333-41-5
Dichlorvos	2.9	10	ng/l	-	30	42-137	30	46-133	30	62-73-7
Dimethoate	6.2	10	ng/l	-	30	4-222	30	10-234	30	60-51-5
Disulfoton	10	10	ng/l	-	30	12-199	30	0.1-212	30	298-04-4
Ethoprop	6.7	10	ng/l	-	30	51-167	30	53-163	30	13194-48-4
Ethyl parathion	5.4	10	ng/l	-	30	5-229	30	7-230	30	56-38-2
Fensulfothion	2.9	10	ng/l	-	30	0.1-316	30	0.1-265	30	115-90-2
Fenthion	3.8	10	ng/l	-	30	23-169	30	20-177	30	55-38-9
Malathion	7.6	10	ng/l	-	30	6-184	30	14-175	30	121-75-5
Merphos	5.8	10	ng/l	-	30	3-210	30	28-181	30	150-50-5
Methyl parathion	6.3	10	ng/l	-	30	0.1-249	30	0.1-252	30	298-00-0
Mevinphos	4.2	10	ng/l	-	30	25-189	30	14-202	30	7786-34-7
Naled	7.6	10	ng/l	-	30	0.1-242	30	0.1-240	30	300-76-5
Phorate	3.0	10	ng/l	-	30	31-181	30	26-180	30	298-02-2
Ronnel	4.1	10	ng/l	-	30	29-153	30	34-154	30	299-84-3
Stirophos	3.1	10	ng/l	-	30	0.1-167	30	0.1-188	30	22248-79-9
Tokuthion (Prothiofos)	7.8	10	ng/l	-	30	27-160	30	23-159	30	34643-46-4
Trichloronate	6.7	10	ng/l	-	30	40-150	30	34-153	30	327-98-0
1,3-Dimethyl-2-nitrobenzene	-	-	Surrogate	76-128		-		-		81-20-9
Triphenyl phosphate	-	-	Surrogate	40-163		-		-		115-86-6
EPA 547 - Glyphosate by EPA 547 (Water)										
Glyphosate	1.8	5.0	ug/l	-	30	41-149	30	62-130	30	1071-83-6
EPA 608 - Organochlorine Pesticides/PCBs Low Lvl by EPA 608 (Water)										
2,4'-DDD	5.0	5.0	ng/l	-		-		-		53-19-0
2,4'-DDE	5.0	5.0	ng/l	-		-		-		3424-82-6
2,4'-DDT	5.0	5.0	ng/l	-		-		-		789-02-6
4,4'-DDD	3.0	5.0	ng/l	-	30	23-124	30	42-133	30	72-54-8
4,4'-DDE	2.5	5.0	ng/l	-	30	30-114	30	33-126	30	72-55-9
4,4'-DDT	3.1	5.0	ng/l	-	30	11-151	30	35-147	30	50-29-3
Aldrin	1.5	5.0	ng/l	-	30	18-110	30	18-117	30	309-00-2
alpha-BHC	1.8	5.0	ng/l	-	30	43-114	30	47-119	30	319-84-6
alpha-Chlordane	5.0	5.0	ng/l	-	30	14-141	30	23-127	30	5103-71-9
Aroclor 1016	50	100	ng/l	-	30	50-114	30	50-114	30	12674-11-2
Aroclor 1221	60	100	ng/l	-		-		-		11104-28-2
Aroclor 1232	100	100	ng/l	-		-		-		11141-16-5
Aroclor 1242	70	100	ng/l	-		-		-		53469-21-9
Aroclor 1248	60	100	ng/l	-		-		-		12672-29-6
Aroclor 1254	40	100	ng/l	-		-		-		11097-69-1
Aroclor 1260	40	100	ng/l	-	30	8-127	30	8-127	30	11096-82-5
beta-BHC	3.1	5.0	ng/l	-	30	24-135	30	53-123	30	319-85-7
Chlordane (tech)	50	100	ng/l	-		-		67-122	30	57-74-9
cis-Nonachlor	5.0	5.0	ng/l	-		-		-		5103-73-1
delta-BHC	2.5	5.0	ng/l	-	30	37-122	30	51-123	30	319-86-8



Analyte	MDL	MRL	Units	Surr. % R	DUP RPD	Matrix Spike		Blank Spike		CASNumber
						% R	RPD	% R	RPD	
Dieldrin	2.1	5.0	ng/l	-	30	27-132	30	48-123	30	60-57-1
Endosulfan I	1.7	5.0	ng/l	-	30	0.1-140	30	14-131	30	959-98-8
Endosulfan II	1.9	5.0	ng/l	-	30	17-122	30	40-121	30	33213-65-9
Endosulfan sulfate	5.0	5.0	ng/l	-	30	37-131	30	44-140	30	1031-07-8
Endrin	2.8	5.0	ng/l	-	30	42-144	30	40-143	30	72-20-8
Endrin aldehyde	3.0	5.0	ng/l	-	30	11-113	30	18-136	30	7421-93-4
gamma-BHC (Lindane)	2.1	5.0	ng/l	-	30	33-112	30	49-117	30	58-89-9
gamma-Chlordane	5.0	5.0	ng/l	-	30	36-116	30	49-106	30	5566-34-7
Heptachlor	1.7	5.0	ng/l	-	30	28-131	30	31-130	30	76-44-8
Heptachlor epoxide	1.9	5.0	ng/l	-	30	36-117	30	49-122	30	1024-57-3
Methoxychlor	5.0	5.0	ng/l	-	30	-	-	-	-	72-43-5
Mirex	5.0	5.0	ng/l	-	-	-	-	-	-	2385-85-5
Oxychlordane	5.0	5.0	ng/l	-	-	-	-	-	-	26880-48-8
Toxaphene	120	500	ng/l	-	-	-	-	68-147	30	8001-35-2
trans-Nonachlor	5.0	5.0	ng/l	-	-	-	-	-	-	39765-80-5
Decachlorobiphenyl	-	-	Surrogate	0.1-118	-	-	-	-	-	2051-24-3
Tetrachloro-meta-xylene	-	-	Surrogate	12-117	-	-	-	-	-	877-09-8
EPA 624 - Volatile Organic Compounds CTR by EPA 624 (Water)										
1,1,1-Trichloroethane	0.38	1.0	ug/l	-	25	52-162	25	52-162	25	71-55-6
1,1,2,2-Tetrachloroethane	0.18	1.0	ug/l	-	25	46-157	25	46-157	25	79-34-5
1,1,2-Trichloroethane	0.25	1.0	ug/l	-	25	52-150	25	52-150	25	79-00-5
1,1-Dichloroethane	0.21	1.0	ug/l	-	25	59-155	25	59-155	25	75-34-3
1,1-Dichloroethene	0.39	1.0	ug/l	-	25	0.1-234	25	0.1-234	25	75-35-4
1,2-Dichloroethane	0.24	1.0	ug/l	-	25	49-155	25	49-155	25	107-06-2
1,2-Dichloropropane	0.18	1.0	ug/l	-	25	0.1-210	25	0.1-210	25	78-87-5
2-Butanone	0.47	5.0	ug/l	-	25	36-145	25	67-136	25	78-93-3
2-Chloroethyl vinyl ether	0.28	1.0	ug/l	-	25	0.1-305	25	0.1-305	25	110-75-8
2-Hexanone	0.48	5.0	ug/l	-	25	46-152	25	76-133	25	591-78-6
4-Methyl-2-pentanone	0.52	5.0	ug/l	-	25	54-146	25	74-132	25	108-10-1
Acetone	0.79	5.0	ug/l	-	25	11-169	25	60-147	25	67-64-1
Acrolein	2.2	5.0	ug/l	-	25	5-170	25	49-152	25	107-02-8
Acrylonitrile	1.8	2.0	ug/l	-	25	59-133	25	74-127	25	107-13-1
Benzene	0.23	1.0	ug/l	-	25	37-151	25	37-151	25	71-43-2
Bromodichloromethane	0.28	1.0	ug/l	-	25	35-155	25	35-155	25	75-27-4
Bromoform	0.32	1.0	ug/l	-	25	45-169	25	45-169	25	75-25-2
Bromomethane	0.47	1.0	ug/l	-	25	0.1-242	25	0.1-242	25	74-83-9
Carbon Disulfide	0.36	1.0	ug/l	-	25	-	-	79-118	25	75-15-0
Carbon tetrachloride	0.33	1.0	ug/l	-	25	70-140	25	70-140	25	56-23-5
Chlorobenzene	0.21	1.0	ug/l	-	25	37-160	25	37-160	25	108-90-7
Chloroethane	0.23	1.0	ug/l	-	25	14-230	25	14-230	25	75-00-3
Chloroform	0.25	1.0	ug/l	-	25	51-138	25	51-138	25	67-66-3
Chloromethane	0.26	1.0	ug/l	-	25	0.1-273	25	0.1-273	25	74-87-3
cis-1,3-Dichloropropene	0.22	1.0	ug/l	-	25	0.1-227	25	0.1-227	25	10061-01-5
Dibromochloromethane	0.38	1.0	ug/l	-	25	53-149	25	53-149	25	124-48-1
Ethylbenzene	0.17	1.0	ug/l	-	25	37-162	25	37-162	25	100-41-4
m-Dichlorobenzene	0.35	1.0	ug/l	-	25	59-156	25	59-156	25	541-73-1
Methyl tert-butyl ether (MTBE)	0.25	1.0	ug/l	-	25	-	-	80-128	25	1634-04-4
Methylene chloride	0.25	1.0	ug/l	-	25	0.1-221	25	0.1-221	25	75-09-2
o-Dichlorobenzene	0.33	1.0	ug/l	-	25	18-190	25	18-190	25	95-50-1
p-Dichlorobenzene	0.37	1.0	ug/l	-	25	18-190	25	18-190	25	106-46-7



Analyte	MDL	MRL	Units	Surr. % R	DUP RPD	Matrix Spike		Blank Spike		CASNumber
						% R	RPD	% R	RPD	
Tetrachloroethene	0.27	1.0	ug/l	-	25	64-148	25	64-148	25	127-18-4
Toluene	0.22	1.0	ug/l	-	25	47-150	25	47-150	25	108-88-3
trans-1,2-Dichloroethene	0.23	1.0	ug/l	-	25	54-156	25	54-156	25	156-60-5
trans-1,3-Dichloropropene	0.32	1.0	ug/l	-	25	17-183	25	17-183	25	10061-02-6
Trichloroethene	0.37	1.0	ug/l	-	25	71-157	25	71-157	25	79-01-6
Vinyl chloride	0.33	1.0	ug/l	-	25	0.1-251	25	0.1-251	25	75-01-4
1,2-Dichloroethane-d4	-	-	Surrogate	82-125		-		-		17060-07-0
4-Bromofluorobenzene	-	-	Surrogate	88-108		-		-		460-00-4
Toluene-d8	-	-	Surrogate	92-112		-		-		2037-26-5
EPA 625 - Polynuclear Aromatics-SIM by EPA 625 (Water)										
1-Methylnaphthalene	0.10	0.10	ug/l	-		-		-		90-12-0
2-Methylnaphthalene	0.10	0.10	ug/l	-		-		-		91-57-6
Acenaphthene	0.10	0.10	ug/l	-	30	47-145	30	47-145	30	83-32-9
Acenaphthylene	0.10	0.10	ug/l	-	30	33-145	30	33-145	30	208-96-8
Anthracene	0.10	0.10	ug/l	-	30	27-133	30	27-133	30	120-12-7
Benzo (a) anthracene	0.10	0.10	ug/l	-	30	33-143	30	33-143	30	56-55-3
Benzo (a) pyrene	0.10	0.10	ug/l	-	30	17-163	30	17-163	30	50-32-8
Benzo (b) fluoranthene	0.10	0.10	ug/l	-	30	24-159	30	24-159	30	205-99-2
Benzo (g,h,i) perylene	0.10	0.10	ug/l	-	30	0.1-219	30	0.1-219	30	191-24-2
Benzo (k) fluoranthene	0.10	0.10	ug/l	-	30	11-162	30	11-162	30	207-08-9
Chrysene	0.10	0.10	ug/l	-	30	17-168	30	17-168	30	218-01-9
Dibenzo (a,h) anthracene	0.10	0.10	ug/l	-	30	0.1-227	30	0.1-227	30	53-70-3
Fluoranthene	0.10	0.10	ug/l	-	30	26-137	30	26-137	30	206-44-0
Fluorene	0.10	0.10	ug/l	-	30	59-121	30	59-121	30	86-73-7
Indeno (1,2,3-cd) pyrene	0.10	0.10	ug/l	-	30	0.1-171	30	0.1-171	30	193-39-5
Naphthalene	0.10	0.10	ug/l	-	30	21-133	30	21-133	30	91-20-3
Phenanthrene	0.10	0.10	ug/l	-	30	54-120	30	54-120	30	85-01-8
Pyrene	0.10	0.10	ug/l	-	30	52-115	30	52-115	30	129-00-0
2-Fluorobiphenyl	-	-	Surrogate	22-107		-		-		321-60-8
Nitrobenzene-d5	-	-	Surrogate	27-111		-		-		4165-60-0
Terphenyl-d14	-	-	Surrogate	28-113		-		-		1718-51-0
EPA 625 - Semivolatile Organic Compounds CTR by EPA 625 (Water)										
1,2,4-Trichlorobenzene	0.55	1.0	ug/l	-	30	44-142	30	44-142	30	120-82-1
1,2-Dichlorobenzene	0.57	1.0	ug/l	-	30	32-129	30	32-129	30	95-50-1
1,2-Diphenylhydrazine/Azobenzene	0.25	1.0	ug/l	-		-		-		122-66-7
1,3-Dichlorobenzene	0.53	1.0	ug/l	-	30	0.1-172	30	0.1-172	30	541-73-1
1,4-Dichlorobenzene	0.55	1.0	ug/l	-	30	20-124	30	20-124	30	106-46-7
2,4,6-Trichlorophenol	0.22	1.0	ug/l	-	30	37-144	30	37-144	30	88-06-2
2,4-Dichlorophenol	0.26	1.0	ug/l	-	30	39-135	30	39-135	30	120-83-2
2,4-Dimethylphenol	0.30	1.0	ug/l	-	30	32-119	30	32-119	30	105-67-9
2,4-Dinitrophenol	1.6	10	ug/l	-	30	0.1-191	30	0.1-191	30	51-28-5
2,4-Dinitrotoluene	0.18	1.0	ug/l	-	30	39-139	30	39-139	30	121-14-2
2,6-Dinitrotoluene	0.27	1.0	ug/l	-	30	50-158	30	50-158	30	606-20-2
2-Chloronaphthalene	0.45	1.0	ug/l	-	30	60-118	30	60-118	30	91-58-7
2-Chlorophenol	0.28	1.0	ug/l	-	30	23-134	30	23-134	30	95-57-8
2-Nitrophenol	0.26	1.0	ug/l	-	30	29-182	30	29-182	30	88-75-5
3,3'-Dichlorobenzidine	1.2	5.0	ug/l	-	30	0.1-262	30	0.1-262	30	91-94-1
4,6-Dinitro-2-methylphenol	1.7	5.0	ug/l	-	30	0.1-181	30	0.1-181	30	534-52-1
4-Bromophenyl phenyl ether	0.36	1.0	ug/l	-	30	53-127	30	53-127	30	101-55-3
4-Chloro-3-methylphenol	0.23	1.0	ug/l	-	30	22-147	30	22-147	30	59-50-7



Analyte	MDL	MRL	Units	Surr. % R	DUP RPD	Matrix Spike		Blank Spike		CASNumber
						% R	RPD	% R	RPD	
4-Chlorophenyl phenyl ether	0.41	1.0	ug/l	-	30	25-158	30	25-158	30	7005-72-3
4-Nitrophenol	0.45	5.0	ug/l	-	30	0.1-132	30	0.1-132	30	100-02-7
Acenaphthene	0.38	1.0	ug/l	-	30	47-145	30	47-145	30	83-32-9
Acenaphthylene	0.40	1.0	ug/l	-	30	33-145	30	33-145	30	208-96-8
Anthracene	0.34	1.0	ug/l	-	30	27-133	30	27-133	30	120-12-7
Benzidine	3.7	10	ug/l	-		-		-		92-87-5
Benzo (a) anthracene	0.19	1.0	ug/l	-	30	33-143	30	33-143	30	56-55-3
Benzo (a) pyrene	0.13	1.0	ug/l	-	30	17-163	30	17-163	30	50-32-8
Benzo (b) fluoranthene	0.14	1.0	ug/l	-	30	24-159	30	24-159	30	205-99-2
Benzo (g,h,i) perylene	0.10	2.0	ug/l	-	30	0.1-219	30	0.1-219	30	191-24-2
Benzo (k) fluoranthene	0.22	1.0	ug/l	-	30	11-162	30	11-162	30	207-08-9
Bis(2-chloroethoxy)methane	0.25	1.0	ug/l	-	30	33-184	30	33-184	30	111-91-1
Bis(2-chloroethyl)ether	0.27	1.0	ug/l	-	30	12-158	30	12-158	30	111-44-4
Bis(2-chloroisopropyl)ether	0.38	1.0	ug/l	-	30	36-166	30	36-166	30	108-60-1
Bis(2-ethylhexyl)phthalate	2.3	5.0	ug/l	-	30	8-158	30	8-158	30	117-81-7
Butyl benzyl phthalate	0.18	1.0	ug/l	-	30	0.1-152	30	0.1-152	30	85-68-7
Chrysene	0.19	1.0	ug/l	-	30	17-168	30	17-168	30	218-01-9
Dibenzo (a,h) anthracene	0.080	2.0	ug/l	-	30	0.1-227	30	0.1-227	30	53-70-3
Diethyl phthalate	0.15	1.0	ug/l	-	30	0.1-114	30	0.1-114	30	84-66-2
Dimethyl phthalate	0.18	1.0	ug/l	-	30	0.1-112	30	0.1-112	30	131-11-3
Di-n-butyl phthalate	0.24	1.0	ug/l	-	30	1-118	30	1-118	30	84-74-2
Di-n-octyl phthalate	0.19	1.0	ug/l	-	30	4-146	30	4-146	30	117-84-0
Fluoranthene	0.22	1.0	ug/l	-	30	26-137	30	26-137	30	206-44-0
Fluorene	0.35	1.0	ug/l	-	30	59-121	30	59-121	30	86-73-7
Hexachlorobenzene	0.49	1.0	ug/l	-	30	0.1-152	30	0.1-152	30	118-74-1
Hexachlorobutadiene	0.47	1.0	ug/l	-	30	24-116	30	24-116	30	87-68-3
Hexachlorocyclopentadiene	1.5	5.0	ug/l	-	30	10-80	30	0.1-81	30	77-47-4
Hexachloroethane	0.52	1.0	ug/l	-	30	40-113	30	40-113	30	67-72-1
Indeno (1,2,3-cd) pyrene	0.12	2.0	ug/l	-	30	0.1-171	30	0.1-171	30	193-39-5
Isophorone	0.21	1.0	ug/l	-	30	21-196	30	21-196	30	78-59-1
Naphthalene	0.49	1.0	ug/l	-	30	21-133	30	21-133	30	91-20-3
Nitrobenzene	0.36	1.0	ug/l	-	30	35-180	30	35-180	30	98-95-3
N-Nitrosodimethylamine	0.14	1.0	ug/l	-	30	15-57	30	15-59	30	62-75-9
N-Nitrosodi-n-propylamine	0.26	1.0	ug/l	-	30	0.1-230	30	0.1-230	30	621-64-7
N-Nitrosodiphenylamine	0.19	1.0	ug/l	-	30	49-82	30	42-90	30	86-30-6
Pentachlorophenol	0.19	1.0	ug/l	-	30	14-176	30	14-176	30	87-86-5
Phenanthrene	0.32	1.0	ug/l	-	30	54-120	30	54-120	30	85-01-8
Phenol	0.16	1.0	ug/l	-	30	5-112	30	5-112	30	108-95-2
Pyrene	0.25	1.0	ug/l	-	30	52-115	30	52-115	30	129-00-0
2,4,6-Tribromophenol	-	-	Surrogate	25-102		-		-		118-79-6
2-Fluorobiphenyl	-	-	Surrogate	22-107		-		-		321-60-8
2-Fluorophenol	-	-	Surrogate	3-74		-		-		367-12-4
Nitrobenzene-d5	-	-	Surrogate	27-111		-		-		4165-60-0
Phenol-d5	-	-	Surrogate	0.1-53		-		-		4165-62-2
Terphenyl-d14	-	-	Surrogate	28-113		-		-		1718-51-0
EPA 8015B - Diesel & Oil Range Organics (DRO/ORO) by EPA 8015B (Water)										
Diesel Range Organics	0.024	0.10	mg/l	-		70-130	25	56-136	25	DRO
Oil Range Organics	0.33	0.50	mg/l	-		-		-		NA
n-Tetracosane	-	-	Surrogate	64-155		-		-		646-31-1
EPA 8015B - Gasoline Range Organics (GRO) by EPA 8015B (Water)										



Analyte	MDL	MRL	Units	Surr. % R	DUP RPD	Matrix Spike		Blank Spike		CASNumber
						% R	RPD	% R	RPD	
Gasoline Range Organics	0.044	0.10	mg/l	-	25	63-136	25	75-123	25	8032-32-4
4-Bromofluorobenzene	-	-	Surrogate	72-124		-		-		460-00-4
Fecal Coliform by Enumeration SM9221E 3 dilutions by SM 9221E (Water)										
Fecal Coliform		2.0	MPN/100ml	-		-		-		NA
Fluoride - EPA 300.0 by EPA 300.0 (Water)										
Fluoride, Total	0.020	0.10	mg/l	-	20	86-107	20	90-110	20	16984-48-8
Iron - EPA 200.8 by EPA 200.8 (Water)										
Iron, Total	14	20	ug/l	-	30	70-130	30	85-115	30	7439-89-6
Iron, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Iron, Dissolved	14	20	ug/l	-	30	70-130	30	85-115	30	7439-89-6
Lead - EPA 200.8 by EPA 200.8 (Water)										
Lead, Total	0.024	0.20	ug/l	-	30	70-130	30	85-115	30	7439-92-1
Lead, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Lead, Dissolved	0.024	0.20	ug/l	-	30	70-130	30	85-115	30	7439-92-1
MBAS - SM 5540 C by SM 5540C (Water)										
MBAS	0.019	0.050	mg/l	-	20	74-123	20	82-115	20	NA
Mercury - EPA 245.1 by EPA 245.1 (Water)										
Mercury, Total	0.0039	0.050	ug/l	-	20	70-130	20	85-115	20	7439-97-6
Mercury, dissolved - EPA 245.1 by EPA 245.1 (Water)										
Mercury, Dissolved	0.0039	0.050	ug/l	-		70-130	20	85-115	20	7439-97-6
Nickel - EPA 200.8 by EPA 200.8 (Water)										
Nickel, Total	0.091	0.80	ug/l	-	30	70-130	30	85-115	30	7440-02-0
Nickel, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Nickel, Dissolved	0.091	0.80	ug/l	-	30	70-130	30	85-115	30	7440-02-0
Nitrite+Nitrate-N - EPA 300.0 by EPA 300.0 (Water)										
NO2+NO3 as N	0.020	0.11	mg/l	-	20	84-115	20	90-110	20	NA
Oil and Grease - EPA 1664A by EPA 1664A (Water)										
Oil & Grease (HEM)	1.3	5.0	mg/l	-	18	78-114	18	78-114	18	NA
Perchlorate - EPA 314.0 by EPA 314.0 (Water)										
Perchlorate	0.95	2.0	ug/l	-	15	80-120	15	85-115	15	14797-73-0
pH - SM 4500 H B by SM 4500H+-B (Water)										
pH	0.100	0.100	Units	-	3.1	-		98.8-101		PH
Phenolics in water - EPA 420.4 by EPA 420.4 (Water)										
Phenolics	0.0042	0.010	mg/l	-	20	90-110	20	90-110	20	NA
Phosphorus Dissolved - EPA 365.3 by EPA 365.3 (Water)										
Phosphorus, Dissolved	0.00083	0.010	mg/l	-		85-108	20	90-110	20	7723-14-0
Phosphorus, Total as P - EPA 365.1 by EPA 365.1 (Water)										
Phosphorus as P, Total	0.0014	0.010	mg/l	-	20	90-110	20	90-110	20	7723-14-0
Selenium - EPA 200.8 by EPA 200.8 (Water)										
Selenium, Total	0.081	0.40	ug/l	-	30	70-130	30	85-115	30	7782-49-2
Selenium, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Selenium, Dissolved	0.081	0.40	ug/l	-	30	70-130	30	85-115	30	7782-49-2
Silver - EPA 200.8 by EPA 200.8 (Water)										
Silver, Total	0.012	0.20	ug/l	-	30	70-130	30	85-115	30	7440-22-4



Analyte	MDL	MRL	Units	Surr. % R	DUP RPD	Matrix Spike		Blank Spike		CASNumber
						% R	RPD	% R	RPD	
Silver, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Silver, Dissolved	0.012	0.20	ug/l	-	30	70-130	30	85-115	30	7440-22-4
Specific Conductance (EC) - SM 2510B by SM 2510B (Water)										
Specific Conductance (EC)	0.23	2.0	umhos/cm	-	5	-		95-105	5	NA
Sulfate - EPA 300.0 by EPA 300.0 (Water)										
Sulfate as SO4	0.10	0.50	mg/l	-	20	78-111	20	90-110	20	14808-79-8
Temperature, F - client by Field (Water)										
Temperature, degrees F			°F	-		-		-		NA
Thallium - EPA 200.8 by EPA 200.8 (Water)										
Thallium, Total	0.034	0.20	ug/l	-	30	70-130	30	85-115	30	7440-28-0
Thallium, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Thallium, Dissolved	0.034	0.20	ug/l	-	30	70-130	30	85-115	30	7440-28-0
Total Coliforms by Enumeration SM9221B 3 dil. by SM 9221B (Water)										
Total Coliform	2.0	2.0	MPN/100ml	-		-		-		NA
Total Dissolved Solids - SM 2540C by SM 2540C (Water)										
Total Dissolved Solids	4.0	10	mg/l	-	10	-		96-102	10	NA
Total Kjeldahl Nitrogen by EPA 351.2 by EPA 351.2 (Water)										
TKN	0.050	0.10	mg/l	-	10	90-110	10	90-110	10	7727-37-9
Total Organic Carbon - SM 5310C by SM 5310C (Water)										
Total Organic Carbon (TOC)	0.0090	0.30	mg/l	-	20	80-116	20	85-115	20	NA
Total Suspended Solids - SM2540D by SM 2540D (Water)										
Total Suspended Solids		5.0	mg/l	-	20	-		-		NA
Turbidity - EPA 180.1 by EPA 180.1 (Water)										
Turbidity	0.024	0.10	NTU	-	10	-		90-110	10	NA
Volatile Suspended Solids - 160.4 by EPA 160.4 (Water)										
Volatile Suspended Solids	3.1	5.0	mg/l	-	15	-		-		NA
Zinc - EPA 200.8 by EPA 200.8 (Water)										
Zinc, Total	0.50	5.0	ug/l	-	30	70-130	30	85-115	30	7440-66-6
Zinc, dissolved - EPA 200.8 by EPA 200.8 (Water)										
Zinc, Dissolved	0.50	5.0	ug/l	-	30	70-130	30	85-115	30	7440-66-6



Sampling Guide

Analysis	SpecificMethod	Container	Preservation	Hold (days)	Amount Needed
[Group Analysis] in Water					
200.7 Hardness	varies	NA	[Group Analysis]	15	NA
Acid and Base/Neutral Extractables by EPA Method 625 in Water					
EPA 625 - Semivolatile Organic Compounds CTR	EPA 625	1-L Amber Glass-625/8270	<6°C, Na2S2O3 (If Cl2)	7	2000 ml
Anions by IC, EPA Method 300.0/300.1/326 in Water					
Chloride - EPA 300.0	EPA 300.0	250-mL Poly-300 Anions	<6°C	28	250 mL
Fluoride - EPA 300.0	EPA 300.0	250-mL Poly-300 Anions	<6°C	28	250 ml
Nitrite+Nitrate-N - EPA 300.0	EPA 300.0	250-mL Poly-300 Anions	<6°C	28	250 ml
Sulfate - EPA 300.0	EPA 300.0	250-mL Poly-300 Anions	<6°C	28	250 ml
Chlorinated Herbicides in Water					
EPA 515.3 - Chlorinated Acid Herbicides	EPA 515.3	250-mL Amber Glass-515.3	<6°C, Na2S2O3 (If Cl2)	14	250 mL
Chlorinated Pesticides and/or PCBs in Water					
EPA 608 - Organochlorine Pesticides/PCBs Low Lvl	EPA 608	1-L Amber Glass-608/8081	<6°C, Na2S2O3 (If Cl2)	7	2000 ml
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods in Water					
Total Kjeldahl Nitrogen by EPA 351.2	EPA 351.2	250-mL Poly-Nutrients, H2SO4	<6°C, H2SO4	28	250 mL
Volatile Suspended Solids - 160.4	EPA 160.4	500-mL Poly	<6°C	7	500 mL
Total Suspended Solids - SM2540D	SM 2540D	2-L Poly - pH-TSS- EC - Unpres.	<6°C	7	1000ml
Total Dissolved Solids - SM 2540C	SM 2540C	500-mL Poly-TDS	<6°C	7	500 mL
Oil and Grease - EPA 1664A	EPA 1664A	1-L Clear Glass Wide Mouth	<6°C, HCl	28	1000 mL
MBAS - SM 5540 C	SM 5540C	500-mL Poly	<6°C	2	500 mL
Cyanide, Total - ASTM D 7511	ASTM D7511	500-ml Poly-CN/Am CN- NaOH	<6°C, NaOH	14	500 mL
Chemical Oxygen Demand - EPA 410.4	EPA 410.4	250-mL Poly-Nutrients, H2SO4	<6°C, H2SO4	28	250 mL
Biochemical Oxygen Demand - SM5210B	SM 5210B	1-L Poly	<6°C	2	1000 ml
Ammonia-N - EPA 350.1	EPA 350.1	250-mL Poly	<6°C, H2SO4	28	250 ml
Specific Conductance (EC) - SM 2510B	SM 2510B	250-mL Poly	<6°C	28	250 ml
pH - SM 4500 H B	SM 4500H+-B	250-mL Poly	<6°C	0.01	250 ml
Total Organic Carbon - SM 5310C	SM 5310C	250-mL Amber Glass-H3PO4 acid -TOC	<6°C, H3PO4	28	250 mL
Phosphorus Dissolved - EPA 365.3	EPA 365.3	250-mL Poly	<6°C, H2SO4	28	250 ml
Phosphorus, Total as P - EPA 365.1	EPA 365.1	250-mL Poly-Nutrients, H2SO4	<6°C, H2SO4	28	250 ml
Phenolics in water - EPA 420.4	EPA 420.4	500-mL Amber Glass-Phenols, H2SO4	<6°C, H2SO4	28	500 mL
Turbidity - EPA 180.1	EPA 180.1	500-mL Clear Glass-GP	<6°C	2	500 mL
Dissolved Oxygen - SM 4500O G	SM 4500O-G	BOD Bottle	<6°C	0.01	250 mL
Alkalinity, total - SM 2320B	SM 2320B	250-mL Poly	<6°C	14	250 ml
Field determinations in Water					
Temperature, F - client	Field	250-mL Poly	Unpreserved	2	250 mL
Glyphosate by EPA 547 in Water					



Analysis	Specific Method	Container	Preservation	Hold (days)	Amount Needed
EPA 547 - Glyphosate	EPA 547	40-mL VOA Amber Vial-547 - non chlor	<6°C, Na ₂ S ₂ O ₃ (If Cl ₂)	14	40 mL
Hexavalent Chromium by IC in Water					
Chromium, Hexavalent, dissolved - EPA 218.6	EPA 218.6	40-mL VOA Vial-218.6, buffer (NH ₄) ₂ SO ₄ /NH ₄ OH	<6°C, (NH ₄) ₂ SO ₄ /NH ₄ OH	28	40 ml
Chromium, Hexavalent - EPA 218.6	EPA 218.6	40-mL VOA Vial-218.6, buffer (NH ₄) ₂ SO ₄ /NH ₄ OH	<6°C, (NH ₄) ₂ SO ₄ /NH ₄ OH	28	40 mL
Hydrocarbons by EPA 8015B in Water					
EPA 8015B - Diesel & Oil Range Organics (DRO/ORO)	EPA 8015B	1-L Amber Glass-8015 HCl	<6°C, Na ₂ S ₂ O ₃ (If Cl ₂), HCl	7	1000 ml
EPA 8015B - Gasoline Range Organics (GRO)	EPA 8015B	40-mL VOA Vial-8015-GRO/HCl	<6°C, HCl	14	80 ml
Metals by EPA 200 Series Methods in Water					
Lead, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL
Lead - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	185	250 mL
Nickel, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 ml
Nickel - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 ml
Iron, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL
Aluminum, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL
Iron - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Chromium, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL
Copper - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Beryllium, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL
Antimony - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 ml
Arsenic - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Arsenic, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL
Chromium - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Cadmium, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL
Cadmium - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Beryllium - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Copper, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL
Silver - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Mercury, dissolved - EPA 245.1	EPA 245.1	250-mL Poly-Metals - HNO ₃	Unpreserved	28	250 ml
Calcium - EPA 200.7	EPA 200.7	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Zinc - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Aluminum - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Antimony, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 ml
Zinc, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL



Analysis	Specific Method	Container	Preservation	Hold (days)	Amount Needed
Silver, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL
Thallium, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 mL
Thallium - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 mL
Selenium, dissolved - EPA 200.8	EPA 200.8	250-mL Poly-Metals Dissolved - Unpres.	HNO ₃ , Lab filtered	180	250 ml
Selenium - EPA 200.8	EPA 200.8	250-mL Poly-Metals - HNO ₃	HNO ₃	180	250 ml
Mercury - EPA 245.1	EPA 245.1	250-mL Poly-Metals - HNO ₃	HNO ₃	28	250 mL
Microbiological Parameters by Standard Methods in Water					
Enterococcus - Enterolert	Enterolert	125-ml Poly Sterile Na ₂ S ₂ O ₃	<10°C, Na ₂ S ₂ O ₃ (If Cl ₂)	1	100 mL
Total Coliforms by Enumeration SM9221B 3 dil.	SM 9221B	125-ml Poly Sterile Na ₂ S ₂ O ₃	<10°C, Na ₂ S ₂ O ₃ (If Cl ₂)	0.25	100 ml
Fecal Coliform by Enumeration SM9221E 3 dilutions	SM 9221E	125-ml Poly Sterile Na ₂ S ₂ O ₃	<10°C, Na ₂ S ₂ O ₃ (If Cl ₂)	0.25	100 ml
E.Coli Coliform by Enumeration SM9221 F	SM 9221F	125-ml Poly Sterile Na ₂ S ₂ O ₃	<10°C, Na ₂ S ₂ O ₃ (If Cl ₂)	0.25	100 ml
Perchlorate by EPA 314.0 in Water					
Perchlorate - EPA 314.0	EPA 314.0	250-mL Poly	Unpreserved	28	250 mL
Semivolatile Organic Compounds by GC/MS in Water					
EPA 525.2 - 507 full list	EPA 525.2	1-L Amber Glass-525, HCl (2ml)	<6°C, Sulfite (If Cl ₂), HCl	14	2000 mL
EPA 525.2 Mod - OPP low-level	EPA 525.2M	1-L Amber Glass-525 OPP	<6°C, Sulfite (if Cl ₂)	14	2000 mL
Semivolatile Organics - Low Level by GC/MS SIM Mode in Water					
EPA 625 - Polynuclear Aromatics-SIM	EPA 625	1-L Amber Glass-625/8270	<6°C, Na ₂ S ₂ O ₃ (If Cl ₂)	7	2000 mL
Volatile Organics by EPA Method 624 in Water					
EPA 624 - Volatile Organic Compounds CTR	EPA 624	40-mL VOA Vial-624/8260, Na ₂ S ₂ O ₃	<6°C, Na ₂ S ₂ O ₃ (If Cl ₂)	7	3 x 40 mL

Quotation

To: Austin Orr
Geosyntec Consultants
1111 Broadway, 6th Floor
Oakland, CA 94607
510.285.2717
AOrr@geosyntec.com

From: Jennifer Miller
National Sales
(916) 995-5171 (Voice)
(916) 673-0106 (Fax)
jmiller@vista-analytical.com

Date: April 30, 2014

Quote Expires: July 24, 2014

Subject: Santa Monica Bay

Thank you for the opportunity to provide this quotation for your upcoming project. The analytical methods and services with associated pricing are presented in the table below. Please note that the turnaround time upon receipt of the sample set will be 21 days. Also note that all matrix spikes, matrix spike duplicates and laboratory duplicates are charged as additional samples. The prices include electronic Level II data report(s) and the CEDEN data deliverable format.

Pricing Summary

Method	Matrix	Quantity	Unit Price	Extended Price
EPA Method 1699 – Pesticides – Organochlorine Pesticides	Solid	1	\$1,100.00	
EPA Method 1699 – Pesticides – DDT, DDE, DDDs only	Aqueous	25	\$950.00	\$23,750.00
EPA Method 1668A - PCB Totals and 209 Congeners	Aqueous	25	\$900.00	\$22,500.00
			Bid Total:	\$46,250.00

Expedited Surcharges:

14 Calendar Days: + 25%
7 Calendar Days: + 50%
3 Business Days: + 100%

Please note this quotation on your C-O-C or other shipping documentation to ensure that your project is handled as per your instructions. Sampling kits may be obtained by contacting Vista's Project Management Group at (916) 673-1520 or by emailing bottlerequest1@vista-analytical.com.

Sampling kits include all necessary glassware, chains of custody, custody seals and ice chests, for your convenience. Ice chests are not disposable items and need to be returned to the laboratory. Please note that Vista will charge \$50 for each unreturned ice chest.

TERMS AND CONDITIONS

ACCEPTANCE

These terms and conditions are incorporated into, and made a part of, every agreement for services between **Vista Analytical Laboratory, Inc.** ("Vista") and its client ("Client"). The Client accepts these terms and conditions by agreeing to purchase services from Vista or by sending samples to Vista.

PAYMENT

The Client shall pay in full within 30 days after the date that Vista invoices it for services rendered. No payment terms or conditions of purchase orders different from the terms of Vista will become part of any sales agreement, purchase order, or other document unless specifically approved in writing by Vista. Should suit be instituted to collect any debts of the undersigned, the client is responsible to pay all actual costs of collection and attorney's fees and interests on the past due amount at the highest rate legally available.

TURNAROUND TIME

Standard turnaround time is 21 days unless a shorter turnaround time is expressly agreed to by Vista. Turnaround time is defined as the number of calendar days between the first business day after Vista receives a sample or is authorized by the Client to perform an analysis on a sample, whichever occurs last, and the date that Vista transmits the final report for that sample to the Client. Rush orders, i.e., those that the Client requests to have analyzed in less than the standard turnaround time, will be subject to the additional charges set forth in the applicable quotation. Delays caused by acts of God, natural disasters, governmental actions, fires, floods and accidents, and other circumstances for which Vista is not responsible, shall not be counted in determining turnaround time.

SHIPPING

The Client is responsible for delivering its samples to Vista in good condition and the Client shall bear the risk of any loss of or damage to its samples during shipping. Vista reserves the right to refuse to accept delivery of, to refuse to analyze and/or to return any sample to the Client that is not delivered to Vista in good condition or that poses a health or safety risk. The Client shall pay the cost of returning such samples to it.

LIMITATION OF LIABILITY

Vista makes no representations, guarantees or warranties, express or implied, regarding the fitness of its reports for any particular use or purpose and Vista shall not be liable for consequential damages under any circumstance. The client's sole remedy is a refund of the amount that is paid Vista to analyze the sample in question. If Vista loses or damages a sample, after accepting it for analysis, Vista's liability shall not exceed the lesser of \$50 or the amount that the Client expended to obtain the sample.

INDEMNITY

The Client agrees to indemnify and defend Vista, and to hold Vista harmless, against any and all claims, actions, lawsuits, arbitration awards, judgements, damages, liabilities, expenses and costs, including attorneys' fees and court costs, arising out of, or related in any way to, the use to Vista's reports by the Client or by any third party who obtains Vista's reports from the Client.

Effective: 2/14/2007



April 2, 2014

Ms. Donna Bodine
Geosyntec Consultants
1111 Broadway, 6th Floor
Oakland, CA 94607

Dear Ms. Bodine


Following is pricing you requested for aquatic toxicity testing for the North Santa Monica Bay Coastal Watershed Mgmt Group. This pricing includes all required reference toxicant testing & participation in the annual DMRQA studies.

Pricing for TIE's will be \$2,400.00 per species.

Aquatic Bioassay & Consulting is a small, veteran owned business.

Please feel free to contact me at your convenience if you have any questions.

Sincerely,



Michael Machuzak
Laboratory Manager

YEAR 1				
Test Species	Test Endpoints	Method	Cost Per Test (100% only)	Total Cost (16 Samples)
Fathead Minnow <i>Pimephales promelas</i> chronic	Survival & growth 7 Days	EPA-821-R-02-013	\$500	\$8,000.00
Daphnid <i>Ceriodaphnia dubia</i> chronic	Survival & reproduction 7 Days	EPA-821-R-02-013	\$555	\$8,880.00
Green Algae <i>Selenastrum capricornutum</i> chronic	Growth 96 hours	EPA-821-R-02-013	\$340	\$5,440.00
			YEAR 1 TOTAL*	\$22,320.00

YEAR 2				
Test Species*	Test Endpoints	Method	Cost Per Test (100% only)	Annual Total Cost* (16 Samples)
Fathead Minnow <i>Pimephales promelas</i> chronic	Survival & growth 7 Days	EPA-821-R-02-013	\$500	\$8,000.00
Daphnid <i>Ceriodaphnia dubia</i> chronic	Survival & reproduction 7 Days	EPA-821-R-02-013	\$555	\$8,880.00
Green Algae <i>Selenastrum capricornutum</i> chronic	Growth 96 hours	EPA-821-R-02-013	\$340	\$5,440.00
			MAX. YEAR 2 TOTAL*+	\$8,880.00

* Not including potential TIE's

+ Depending on year #1 most sensitive species.