

APPENDIX J

Analysis	A			B			C			D			E			F		
	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price
CHEMISTRY, METALS																		
Chromium, Hexavalent (VI), Spectrometric (liquid)							\$ 57.78	\$ 109.71		\$ 53.84	\$ 80.65	\$ 77.00						
Flame AA, Liquids	\$ 25.87	\$ 37.46		\$ 93.88	\$ 93.59					\$ 35.11	\$ 52.60	\$ 50.00	\$ 19.41	\$ 26.38				
Flame AA, Solids (SW-846)	\$ 25.87	\$ 37.46		\$ 104.32	\$ 103.99													
Graphite Furnace AA, Liquids				\$ 146.04	\$ 145.58		\$ 50.85	\$ 96.55		\$ 14.98	\$ 22.44	\$ 26.00	\$ 27.17	\$ 36.93				
Graphite Furnace AA, Solids (SW-846)				\$ 151.26	\$ 150.78		\$ 50.85	\$ 96.55										
Hydride Generation AA, Liquids				\$ 104.32	\$ 103.99		\$ 54.31	\$ 103.13		\$ 35.11	\$ 52.60	\$ 26.00						
Hydride Generation AA, Solids (SW-846)							\$ 56.24	\$ 106.79										
ICP, Liquids	\$ 14.37	\$ 20.81					\$ 9.07	\$ 17.23					\$ 17.86	\$ 24.27		\$ 5.76	\$ 6.11	
ICP, Solids (SW-846)	\$ 14.37	\$ 20.81					\$ 5.50	\$ 10.45								\$ 11.52	\$ 12.22	
ICP/MS, Liquids	\$ 14.37	\$ 20.81					\$ 11.01	\$ 20.90		\$ 14.98	\$ 22.44	\$ 20.00				\$ 11.52	\$ 12.22	
ICP/MS, Preconcentration (water)																\$ 28.79	\$ 30.55	
ICP/MS, Solids (SW-846)	\$ 14.37	\$ 20.81					\$ 5.50	\$ 10.45					\$ 20.19	\$ 27.43		\$ 23.03	\$ 24.44	
Mercury, Liquids	\$ 25.87	\$ 37.46		\$ 125.18	\$ 124.79		\$ 57.78	\$ 109.71		\$ 28.09	\$ 42.08	\$ 24.00	\$ 39.59	\$ 53.81		\$ 28.79	\$ 30.55	
Mercury, Solids (SW-846)	\$ 25.87	\$ 37.46		\$ 135.61	\$ 135.19		\$ 61.63	\$ 117.03								\$ 43.19	\$ 45.82	
Miscellaneous Metals by Hach Method																		
		8			7			11			6			5			7	
BIOLOGY/MICROBIOLOGY																		
Algae, Planktonic - ID, Proportional Count										\$ 26.24	\$ 57.18	\$ 35.00						
Algae, Planktonic - ID, Relative Abundance																\$ 67.14	\$ 104.98	
Algae, Planktonic - Phytoplankton: Total Cell/Colony Count							\$ 48.69	\$ 58.60		\$ 26.24	\$ 57.18	\$ 35.00						
Algae, Planktonic - Zooplankton: Total Cell Count							\$ 32.46	\$ 39.07										
Bacterial - Anaerobic Bacteria, Total							\$ 113.61	\$ 136.73										
Bacterial - Coliform, Fecal - MF	\$ 43.10	\$ 54.09														\$ 35.81	\$ 55.99	
Bacterial - Coliform, Fecal - MPN, Aqueous				\$ 41.60	\$ 55.73		\$ 32.46	\$ 39.07		\$ 26.81	\$ 58.42	\$ 41.00	\$ 23.84	\$ 58.15		\$ 35.81	\$ 55.99	
Bacterial - Coliform, Fecal - MPN, Aqueous (A-1)													\$ 15.69	\$ 38.26				
Bacterial - Coliform, Fecal - MPN, Solid	\$ 43.10	\$ 54.09								\$ 58.19	\$ 126.79	\$ 72.00				\$ 89.52	\$ 139.98	
Bacterial - Coliform, Fecal/E. coli - EC-MUG	\$ 39.50	\$ 49.58					\$ 32.46	\$ 39.07								\$ 53.71	\$ 83.99	
Bacterial - Coliform, Fecal/E. coli - Quantitray													\$ 5.02	\$ 12.24				
Bacterial - Coliform, Total - MF	\$ 32.32	\$ 40.56					\$ 32.46	\$ 39.07								\$ 20.14	\$ 31.49	
Bacterial - Coliform, Total - MPN, Aqueous	\$ 39.50	\$ 49.58		\$ 41.60	\$ 55.73		\$ 32.46	\$ 39.07		\$ 26.81	\$ 58.42	\$ 41.00	\$ 23.84	\$ 58.15		\$ 40.29	\$ 62.99	
Bacterial - Coliform, Total - Presence/Absence										\$ 11.98	\$ 26.10	\$ 25.00						
Bacterial - Coliform, Total & Fecal, MPN, Aqueous																\$ 44.76	\$ 69.99	
Bacterial - Coliform, Total & Fecal, MPN, Solid							\$ 48.69	\$ 58.60										
Bacterial - Coliform, Total/E. coli - MMO-MUG, Colilert							\$ 25.97	\$ 31.25					\$ 2.51	\$ 6.12				
Bacterial - Disinfectant Challenge																\$ 895.22	\$ 1,399.75	
Bacterial - E. coli, Nutrient Agar-MUG							\$ 12.98	\$ 15.63										
Bacterial - Enterococcus, Enterolert																		
Bacterial - Fecal Streptococcus/Enterococci, MF	\$ 43.10	\$ 54.09					\$ 32.46	\$ 39.07								\$ 53.71	\$ 83.99	
Bacterial - Fecal Streptococcus/Enterococci, MPN, Aqueous				\$ 39.62	\$ 53.08					\$ 31.37	\$ 68.37	\$ 58.00				\$ 89.52	\$ 139.98	
Bacterial - Fecal Streptococcus/Enterococci, MPN, Solid																\$ 111.90	\$ 174.97	
Bacterial - Heterotrophic Plate Count, MF																\$ 67.14	\$ 104.98	
Bacterial - Heterotrophic Plate Count, Pour Plate				\$ 49.52	\$ 66.35		\$ 32.46	\$ 39.07										
Bacterial - Heterotrophic Plate Count, Pour Plate, R2A Agar, Rm. Temp.													\$ 31.37	\$ 76.51				
Bacterial - Heterotrophic Plate Count, Spread Plate							\$ 32.46	\$ 39.07										
Bacterial - Listeria monocytocolitica, MPN, Aqueous																\$ 492.37	\$ 769.86	
Bacterial - Listeria monocytogenes, MPN, Solid																\$ 590.85	\$ 923.84	
Bacterial - Microorganism I.D., API Strip							\$ 81.15	\$ 97.67										
Bacterial - Ribosomal RNA Processing																\$ 111.90	\$ 174.97	
Bacterial - Salmonella, MPN, Aqueous																\$ 380.47	\$ 594.90	
Bacterial - Salmonella, MPN, Solid							\$ 162.30	\$ 195.33		\$ 270.96	\$ 590.46	\$ 340.00				\$ 492.37	\$ 769.86	
Bacterial - Yersinia enterocolitica, MPN, Aqueous																\$ 626.66	\$ 979.83	
Bacterial - Yersinia enterocolitica, MPN, Solid																\$ 751.99	\$ 1,175.79	
Germination Index										\$ 171.14	\$ 372.92	\$ 213.00						
Microscopic - Filamentous Bacteria Identification/Enumeration																		
Microscopic - Identification/Enumeration of Organisms							\$ 81.15	\$ 97.67										
Microscopic - Mixed Liquor Assesment				\$ 29.71	\$ 39.81					\$ 17.11	\$ 37.29	\$ 21.00						
Microscopic - Nocardia and/or Filament Count										\$ 55.33	\$ 120.58	\$ 71.00						

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Oxygen Consumption - Oxygen Consumption Rate																		
Oxygen Consumption - Respiration Rate/Sludge Volume Index				\$ 29.71	\$ 39.81		\$ 81.15	\$ 97.67		\$ 36.51	\$ 79.56	\$ 64.00				\$ 11.64	\$ 18.20	
Parasites - Cryptosporidium, oocysts/100 L							\$ 162.30	\$ 195.33		\$ 228.18	\$ 497.23	\$ 228.00						
Parasites - Giardia lamblia, cysts/100 L							\$ 162.30	\$ 195.33		\$ 228.18	\$ 497.23	\$ 228.00						
Parasites - Helminth Ova							\$ 292.14	\$ 351.60		\$ 342.27	\$ 745.85	\$ 476.00						
Parasites - Nematode Enumeration							\$ 64.92	\$ 78.13										
Parasites - Parasites ID/Enumeration																\$ 179.04	\$ 279.95	
Virus - Bacteriophage													\$ 119.21	\$ 290.74				
Virus - Enteric Virus							\$ 486.90	\$ 586.00					\$ 1,756.79	\$ 4,284.58				
Virus - Enteric Virus, Solid; (Glycine/AICl2-/Beef Extract)																\$ 537.13	\$ 839.85	
		6			6			22			15			8			23	
							\$ 1,428.24	\$ 1,718.93										
Biotoxicity - Bacterial Growth Support Potential, 100 day, % Survival																\$ 550.56	\$ 1,173.05	
Biotoxicity - Ceriodaphnia, Acute, Static Renewal, 48 hr., % Survival																\$ 1,145.89	\$ 2,441.48	
Biotoxicity - Ceriodaphnia, Chronic, Static Renewal, 7-day, Repro./Surv.																\$ 537.13	\$ 1,144.44	
Biotoxicity - Daphnia pulex, Acute																		
Biotoxicity - Echinoderm, Chronic, 2 hr., % Fertilization							\$ 584.28	\$ 703.20										
Biotoxicity - Fathead & Stickleback, Acute, Cont. Flow, 96 hr., % Survival							\$ 454.44	\$ 546.93										
Biotoxicity - Fathead Minnow, Acute, Cont. Flow, 96 hr., % Survival				\$ 396.17	\$ 530.78													
Biotoxicity - Fathead Minnow, Acute, Static Renewal, 96 hr. % Survival				\$ 396.17	\$ 530.78		\$ 389.52	\$ 468.80										
Biotoxicity - Fathead Minnow, Acute, Static Renewal, 96 hr. % Survival							\$ 389.52	\$ 468.80								\$ 760.94	\$ 1,621.30	
Biotoxicity - Fathead Minnow, Acute, Static, 96 hr. % Survival																		
Biotoxicity - Fathead Minnow, Acute, Static, 96 hr. LC ₅₀				\$ 297.12	\$ 398.08													
Biotoxicity - Fathead Minnow, Chronic, Larval Survival/Growth																\$ 1,611.40	\$ 3,433.33	
Biotoxicity - Golden Shiner, Acute, Cont. Flow, 96 hr., % Survival										\$ 399.32	\$ 870.16	\$ 638.00						
Biotoxicity - Golden Shiner, Acute, Static Renewal, 96 hr., % Surv.										\$ 456.36	\$ 994.47	\$ 567.00						
Biotoxicity - Golden Shiner, Acute, Static, 96 hr., % Survival										\$ 399.32	\$ 870.16	\$ 496.00						
Biotoxicity - Haliotis, Chronic																		
Biotoxicity - Macrocystis, Chronic																		
Biotoxicity - Menidia, Chronic																\$ 1,790.45	\$ 3,814.81	
Biotoxicity - Microtox, Bacterial Bioluminescence										\$ 57.05	\$ 124.31	\$ 74.00				\$ 67.14	\$ 143.06	
Biotoxicity - Mysidopsis, Chronic, Survival/Growth																\$ 2,327.58	\$ 4,959.26	
Biotoxicity - Mytilus spp., Bivalve Larval Shell Development Test																		
Biotoxicity - Rainbow Trout, Acute, Cont. Flow, 96 hr., % Survival							\$ 389.52	\$ 468.80										
Biotoxicity - Rainbow Trout, Acute, Static Renewal, 96 hr., % Survival							\$ 389.52	\$ 468.80								\$ 1,083.22	\$ 2,307.96	
Biotoxicity - Selenastrum, Chronic																		
Biotoxicity - Stickleback, Acute, Static Renewal, 96 hr. % Survival							\$ 389.52	\$ 468.80										
		0			3			8			4			0			9	
		6			9			30			19			8			32	
CHEMISTRY, ORGANICS																		
Air Toxics																\$ 384.61	\$ 512.54	
Butyltins, Mono-, Di-, & Tri-, by GC/MS							\$ 342.62	\$ 859.23										
Carbon Dioxide by GC										\$ 35.34	\$ 97.81	\$ 55.00						
Chloral Hydrate							\$ 100.77	\$ 252.72										
Cyanogen Chloride, by GC/MS																		
Dalapon, by GC/ECD							\$ 120.93	\$ 303.26										
Digester Gas, by GC							\$ 120.93	\$ 303.26					\$ 107.88	\$ 162.55				
EDB/DBCP, by GC/ECD							\$ 112.86	\$ 283.04										
Endothall, by GC/MS							\$ 201.54	\$ 505.43										
Ethylene Glycol, by GC/MS							\$ 322.47	\$ 808.69										
Fixed Gas Analysis																		
Formaldehyde by Deriv., by HPLC																		
Geosmin, MIB, CLSA, by GC/MS							\$ 362.78	\$ 909.78										
Glyphosphate, by HPLC							\$ 100.77	\$ 252.72										
Haloacetic Acids							\$ 120.93	\$ 303.26										
Herbicides - Chlorinated Acids, by GC/ECD, Liquid							\$ 201.54	\$ 505.43										
Herbicides - Chlorinated Acids, by GC/ECD, Solid							\$ 201.54	\$ 505.43										
Hydrogen Sulfide (H ₂ S) Gas, by Draeger Tube							\$ 80.62	\$ 202.17		\$ 29.90	\$ 82.76	\$ 46.00	\$ 26.97	\$ 40.64				

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Lipids																\$ 64.10	\$ 85.42		
Methane by GC										\$ 35.34	\$ 97.81	\$ 54.00							
Nitrogen Gas by GC										\$ 35.56	\$ 98.41	\$ 54.00							
Organic Lead, by Cal. DOHS LUFT										\$ 32.25	\$ 80.87								
Organochlorine - Pesticides/PCBs, by GC/ECD										\$ 120.93	\$ 303.26								
Organochlorine - Pesticides/PCBs, by GC/ECD										\$ 141.08	\$ 353.80	\$ 95.14	\$ 263.33	\$ 147.00	\$ 238.47	\$ 359.32	\$ 208.33	\$ 277.63	
Organochlorine - Pesticides/PCBs, by GC/ECD, Solid	\$ 213.78	\$ 354.16								\$ 161.23	\$ 404.34					\$ 320.51	\$ 427.12		
Organochlorine - Solvents, Pesticides/Herbicides										\$ 100.77	\$ 252.72								
Oxygen Gas by GC										\$ 35.34	\$ 97.81	\$ 54.00							
PAHs by GC/MS										\$ 161.23	\$ 404.34								
PAHs by HPLC										\$ 181.39	\$ 454.89								
PAHs by SIM				\$ 399.61	\$ 1,196.76														
Paraquat/Diquat, by HPLC										\$ 161.23	\$ 404.34								
PCB Congeners by GC/ECD										\$ 161.23	\$ 404.34					\$ 208.33	\$ 277.63		
PCB, by GC/ECD										\$ 120.93	\$ 303.26								
PCB, by GC/ECD										\$ 120.93	\$ 303.26					\$ 128.20	\$ 170.85		
PCB, by GC/ECD, Solid										\$ 120.93	\$ 303.26					\$ 192.31	\$ 256.27		
PCB, by SIM				\$ 399.61	\$ 1,196.76														
PCBs, Perchlorination, by GC/ECD										\$ 201.54	\$ 505.43								
Pesticides and Herbicides, Carbamates, by HPLC										\$ 100.77	\$ 252.72								
Pesticides, Organophosphorous, liquid																\$ 192.31	\$ 256.27		
Pesticides, Organophosphorous, solid																\$ 224.36	\$ 298.98		
Pesticides, Organophosphorous by SIM				\$ 399.61	\$ 1,196.76														
Pesticides, Phosphorous & Nitrogen, by GC/NPD										\$ 120.93	\$ 303.26								
Petroleum Hydrocarbons - by GC/FID																			
Petroleum Hydrocarbons - Diesel, Extraction, by GC/FID, Liquids										\$ 161.23	\$ 404.34					\$ 96.15	\$ 128.14		
Petroleum Hydrocarbons - Diesel, Extraction, by GC/FID, Solid																\$ 96.15	\$ 128.14		
Petroleum Hydrocarbons - Extractable																			
Petroleum Hydrocarbons - Gasoline, Purge & Trap, by GC/FID, liquid										\$ 80.62	\$ 202.17					\$ 96.15	\$ 128.14		
Petroleum Hydrocarbons - Identification																\$ 96.15	\$ 128.14		
Petroleum Hydrocarbons - Total																\$ 57.69	\$ 76.88		
Petroleum Hydrocarbons - Total Purgeable																			
Petroleum Hydrocarbons - Volatile																			
Purgeable Aromatics, by GC										\$ 62.52	\$ 173.04	\$ 96.00							
Purgeable Halocarbons, by GC										\$ 62.52	\$ 173.04	\$ 96.00							
Semivolatile Organics (BNA), by GC/MS										\$ 181.39	\$ 454.89								
Semivolatile Organics (BNA), by GC/MS	\$ 195.96	\$ 324.64		\$ 274.02	\$ 820.64					\$ 201.54	\$ 505.43				\$ 302.35	\$ 455.56	\$ 256.41	\$ 341.69	
Semivolatile Organics (BNA), by GC/MS, for TICs																\$ 320.51	\$ 427.12		
Semivolatile Organics (BNA), by GC/MS, Solid										\$ 161.23	\$ 404.34					\$ 384.61	\$ 512.54		
Sulfide Gas										\$ 17.40	\$ 37.91	\$ 46.00							
Sulfur Compounds, by GC																\$ 215.76	\$ 325.09		
Trihalomethane, Formation Potential, 7 Day, by GC/HECD										\$ 120.93	\$ 303.26								
Trihalomethane, Total, by GC/HECD										\$ 80.62	\$ 202.17								
Volatile Aromatics, by GC/PID										\$ 88.68	\$ 222.39								
Volatile Organics, by GC/MS										\$ 120.93	\$ 303.26								
Volatile Organics, by GC/MS, for TICs															\$ 161.82	\$ 243.82	\$ 160.26	\$ 213.56	
Volatile Organics, by GC/MS, Purgeable	\$ 57.01	\$ 94.44		\$ 159.84	\$ 478.70					\$ 141.08	\$ 353.80				\$ 128.20	\$ 170.85			
Volatile Organics, by GC/MS, Solids										\$ 120.93	\$ 303.26				\$ 160.26	\$ 213.56			
		3			5						39			9			6		20
CONVENTIONAL CHEMISTRY																			
Acidity in Liquid SO ₂										\$ 12.65	\$ 19.48	\$ 20.00							
Acidity, Titration										\$ 52.94	\$ 41.88								
Alkalinity - CO ₃										\$ 7.56	\$ 5.98	\$ 9.49	\$ 14.61	\$ 10.00	\$ 14.38	\$ 16.08			
Alkalinity - Electrometric Titration to pH 4.5	\$ 10.51	\$ 8.39		\$ 5.27	\$ 4.84					\$ 7.56	\$ 5.98	\$ 9.49	\$ 14.61	\$ 10.00					
Alkalinity - HCO ₃										\$ 7.56	\$ 5.98	\$ 9.49	\$ 14.61	\$ 10.00					
Alkalinity - OH ⁻										\$ 24.96	\$ 19.74								
Alkalinity - Total										\$ 24.96	\$ 19.74					\$ 8.55	\$ 11.28		
Ammonia - Automated, liquid	\$ 7.51	\$ 5.99								\$ 10.12	\$ 15.59	\$ 12.00			\$ 10.18	\$ 13.43			
Ammonia - Automated, solid										\$ 37.81	\$ 29.92	\$ 10.12	\$ 15.59	\$ 12.00	\$ 12.78	\$ 14.29	\$ 30.53	\$ 40.28	
Ammonia - Distillation & Titrimetric				\$ 26.35	\$ 24.21					\$ 45.37	\$ 35.90	\$ 19.92	\$ 30.68	\$ 12.00					

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Ammonia - Electrode, Known Addition																\$ 8.14	\$ 10.74	
Ammonia - Nesslerization							\$ 18.91	\$ 14.96										
Ammonia - Titration																		
Ammonia - Total, Spectroscopy							\$ 37.81	\$ 29.92										
Ammonia - Undissociated, Calculation				\$ 8.78	\$ 8.07		\$ 7.56	\$ 5.98										
Biochemical Oxygen Demand - Carbonaceous	\$ 10.51	\$ 8.39					\$ 37.81	\$ 29.92		\$ 15.81	\$ 24.35	\$ 46.00	\$ 26.63	\$ 29.77				
Biochemical Oxygen Demand - Soluble							\$ 49.16	\$ 38.89		\$ 13.28	\$ 20.46	\$ 39.00	\$ 31.95	\$ 35.73				
Biochemical Oxygen Demand - Total				\$ 36.89	\$ 33.89		\$ 37.81	\$ 29.92		\$ 13.28	\$ 20.46	\$ 39.00	\$ 21.30	\$ 23.82		\$ 12.21	\$ 16.11	
Bromate/Bromide							\$ 60.50	\$ 47.86										
Carbon Dioxide																\$ 2.04	\$ 2.69	
Carbon, Particulate																		
Caustic Titer (Odor Control)																\$ 56.18	\$ 74.11	
Caustic, % of Solution, Titration										\$ 7.91	\$ 12.18	\$ 8.00						
Chemical Oxygen Demand - Open Reflux																\$ 13.43	\$ 17.72	
Chemical Oxygen Demand - Spectrophotometric, Dissolved							\$ 45.37	\$ 35.90		\$ 17.39	\$ 26.79	\$ 18.00						
Chemical Oxygen Demand - Spectrophotometric, Total	\$ 13.51	\$ 10.79		\$ 26.35	\$ 24.21		\$ 37.81	\$ 29.92		\$ 12.65	\$ 19.48	\$ 13.00	\$ 9.59	\$ 10.72		\$ 7.33	\$ 9.67	
Chlorate/Chlorite							\$ 113.44	\$ 89.75										
Chloride - Argentometric																		
Chloride - Automated, Ferricyanide				\$ 87.84	\$ 80.69					\$ 9.49	\$ 14.61	\$ 12.00						
Chloride - Ion Chromatography, liquid	\$ 10.51	\$ 8.39					\$ 37.81	\$ 29.92								\$ 14.25	\$ 18.80	
Chloride - Ion Chromatography, solid							\$ 37.81	\$ 29.92								\$ 40.71	\$ 53.70	
Chloride - Titration, Colorimetric, liquid							\$ 37.81	\$ 29.92								\$ 13.03	\$ 17.19	
Chlorine Residual - Amperometric, Back Titration, Total/Free	\$ 9.01	\$ 7.19		\$ 10.54	\$ 9.68		\$ 37.81	\$ 29.92		\$ 6.96	\$ 10.72	\$ 12.00				\$ 20.36	\$ 26.85	
Chlorine Residual - Amperometric, Mono-, Di-, Tri-chloramine																\$ 13.43	\$ 17.72	
Chlorine Residual - DPD, Free & Total							\$ 15.12	\$ 11.97		\$ 6.96	\$ 10.72	\$ 12.00				\$ 4.07	\$ 5.37	
Chlorine Residual - Titration, Iodometric							\$ 37.81	\$ 29.92										
Chlorophyll a, Fluorometric	\$ 13.51	\$ 10.79								\$ 7.91	\$ 12.18	\$ 21.00						
Chlorophyll, Spectrophotometric							\$ 94.53	\$ 74.79								\$ 14.25	\$ 18.80	
CO2 Generation Rate										\$ 158.11	\$ 243.53	\$ 355.00						
Color - Spectrophotometric							\$ 37.81	\$ 29.92										
Color - Visual Comparison	\$ 3.00	\$ 2.40		\$ 4.39	\$ 4.03		\$ 37.81	\$ 29.92								\$ 7.33	\$ 9.67	
Cyanide - Amenable to Chlorination	\$ 15.02	\$ 11.99											\$ 43.13	\$ 48.23		\$ 24.43	\$ 32.22	
Cyanide - Solid							\$ 113.44	\$ 89.75								\$ 71.24	\$ 93.98	
Cyanide - Total	\$ 16.52	\$ 13.19					\$ 113.44	\$ 89.75		\$ 28.46	\$ 43.84	\$ 75.00				\$ 24.43	\$ 32.22	
Cyanide - Weak Acid Dissociable (WAD)																\$ 24.43	\$ 32.22	
Flash Point, Pensky-Martens Closed-cup	\$ 9.01	\$ 7.19					\$ 49.91	\$ 39.49										
Floatables, Wastewater													\$ 122.48	\$ 136.95				
Fluorescence, Percent, Selected Wavelength							\$ 37.81	\$ 29.92										
Fluoride, Ion Selective Electrode							\$ 37.81	\$ 29.92										
Foam Test										\$ 17.39	\$ 26.79	\$ 39.00						
Hardness - Calcium, EDTA Titrimetric	\$ 10.51	\$ 8.39					\$ 37.81	\$ 29.92								\$ 2.04	\$ 2.69	
Hardness - Magnesium, Gravimetric																\$ 2.04	\$ 2.69	
Hardness - Total, EDTA Titration				\$ 4.39	\$ 4.03		\$ 37.81	\$ 29.92		\$ 9.49	\$ 14.61	\$ 10.00				\$ 2.04	\$ 2.69	
Hydrogen Sulfide by Spectroscopy							\$ 94.53	\$ 74.79								\$ 4.48	\$ 5.91	
Lime Requirement										\$ 12.65	\$ 19.48	\$ 24.00						
Moisture, %										\$ 12.65	\$ 19.48	\$ 13.00						
Nitrogen - Nitrate, Colorimetric																\$ 4.48	\$ 5.91	
Nitrogen - Nitrate, Electrode							\$ 41.59	\$ 32.91		\$ 7.91	\$ 12.18	\$ 12.00						
Nitrogen - Nitrate, UV Spectrophotometric Screening																		
Nitrogen - Nitrate:Nitrite, Automated	\$ 7.51	\$ 5.99								\$ 10.12	\$ 15.59	\$ 12.00				\$ 10.18	\$ 13.43	
Nitrogen - Nitrate:Nitrite, Cadmium Reduction										\$ 17.39	\$ 26.79	\$ 18.00				\$ 40.71	\$ 53.70	
Nitrogen - Nitrate:Nitrite, Ion Chromatography	\$ 7.51	\$ 5.99					\$ 49.91	\$ 39.49										
Nitrogen - Nitrate:Nitrite, Manual, Chromatographic Acid				\$ 43.92	\$ 40.34													
Nitrogen - Nitrite, Colorimetric																\$ 4.48	\$ 5.91	
Nitrogen - Nitrite, Spectrophotometric, Manual							\$ 37.81	\$ 29.92		\$ 12.02	\$ 18.51	\$ 12.00				\$ 20.36	\$ 26.85	
Nitrogen - Nitrite, Spectrophotometric, Std. Add., Manual				\$ 17.57	\$ 16.14		\$ 56.72	\$ 44.87										
Nitrogen - Organic, Calculation							\$ 15.12	\$ 11.97								\$ 1.22	\$ 1.61	
Nitrogen - Organic, TKN-NH3	\$ 15.02	\$ 11.99		\$ 43.92	\$ 40.34		\$ 49.91	\$ 39.49		\$ 22.77	\$ 35.07	\$ 23.00				\$ 10.58	\$ 13.96	
Nitrogen - Organic, TKN-NH3, Semi-Automatic													\$ 29.82	\$ 33.34		\$ 50.89	\$ 67.13	
Nitrogen - Total, Dissolved																		
Nitrogen - Total, Particulate																		
Nitrogen - Total, liquids																\$ 14.25	\$ 18.80	
Oil & Grease - Hydrocarbons, Silica Gel, liquid	\$ 13.51	\$ 10.79					\$ 75.62	\$ 59.83								\$ 40.71	\$ 53.70	

Analysis	A			B			C			D			E			F		
	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price
Oil & Grease - Hydrocarbons, Silica Gel, solid							\$ 151.25	\$ 119.66								\$ 61.07	\$ 80.56	
Oil & Grease - IR Spectrophotometric																		
Oil & Grease - Liquid/Liquid Extraction																		
Oil & Grease - Solid Phase Extraction																		
Oil & Grease - Total, Gravimetric, liquids	\$ 24.02	\$ 19.18		\$ 52.70	\$ 48.41		\$ 56.72	\$ 44.87								\$ 30.53	\$ 40.28	
Oil & Grease - Total, Gravimetric, solids												\$ 45.80	\$ 51.21		\$ 50.89	\$ 67.13		
Organic Carbon - Dissolved (DOC), Combustion IR															\$ 10.18	\$ 13.43		
Organic Carbon - Dissolved (DOC), Persulfate-UV Oxidation							\$ 83.19	\$ 65.81										
Organic Carbon - Total (TOC), Combustion IR, liquid															\$ 14.25	\$ 18.80		
Organic Carbon - Total (TOC), Combustion IR, solids															\$ 85.49	\$ 112.78		
Organic Carbon - Total (TOC), Persulfate-UV Oxidation							\$ 75.62	\$ 59.83										
Organic Halide - Total (TOX)							\$ 56.72	\$ 44.87										
Oxidation Reduction Potential (ORP)																		
Oxygen, Dissolved, Azide Modification																\$ 7.33	\$ 9.67	
Oxygen, Dissolved, Electrode				\$ 8.78	\$ 8.07		\$ 24.96	\$ 19.74		\$ 6.96	\$ 10.72	\$ 7.00				\$ 6.92	\$ 9.13	
Paint Filter Liquids Test (Free Moisture)							\$ 37.81	\$ 29.92		\$ 7.91	\$ 12.18	\$ 8.00						
Particle Size Distribution							\$ 75.62	\$ 59.83										
Particle Size Range Analysis										\$ 20.24	\$ 31.17	\$ 21.00						
pH - Electrometric, Aqueous	\$ 4.50	\$ 3.60		\$ 2.64	\$ 2.42		\$ 22.69	\$ 17.95		\$ 6.96	\$ 10.72	\$ 7.00	\$ 4.79	\$ 5.36		\$ 7.33	\$ 9.67	
pH - Electrometric, Non-liquid							\$ 30.25	\$ 23.93								\$ 20.36	\$ 26.85	
Phenolics, Total, Spectrophotometric	\$ 10.51	\$ 8.39		\$ 61.49	\$ 56.48		\$ 56.72	\$ 44.87										
Phosphorous - Bioavailable															\$ 14.25	\$ 18.80		
Phosphorous - Citrate-Insoluble in Fertilizers, P ₂ O ₅							\$ 113.44	\$ 89.75										
Phosphorous - Dissolved, for Boiler																		
Phosphorous - Dissolved, Total																		
Phosphorous - Particulate																		
Phosphorous - Total/Ortho-, Ascorbic Acid Method	\$ 9.01	\$ 7.19		\$ 35.14	\$ 32.27		\$ 37.81	\$ 29.92		\$ 12.02	\$ 18.51	\$ 21.00				\$ 14.25	\$ 18.80	
Phosphorous - Total/Ortho-, Automated, Ascorbic Acid	\$ 7.51	\$ 5.99								\$ 17.39	\$ 26.79	\$ 18.00				\$ 6.51	\$ 8.59	
Phosphorous - Total/Ortho-, Ion Chromatography																		
Phosphorous - Total/Ortho-, Manual (Modified)																\$ 13.03	\$ 17.19	
Phosphorous - Total/Ortho-, Vanadomolybdophos. Acid	\$ 15.02	\$ 11.99														\$ 40.71	\$ 53.70	
Polymer, % Active							\$ 453.75	\$ 358.98										
Polymer, Friction Reduction																		
Radicule Length, %										\$ 212.50	\$ 327.30							
Radiological, Total Gross Alpha & Beta							\$ 37.81	\$ 29.92										
Residue - Filterable Solids, Dried at 180°C (TDS)				\$ 26.35	\$ 24.21		\$ 16.64	\$ 13.16		\$ 14.86	\$ 22.89	\$ 16.00	\$ 14.38	\$ 16.08		\$ 4.07	\$ 5.37	
Residue - Non-Filterable Solids Dried at 103-105°C (TSS)	\$ 7.51	\$ 5.99		\$ 13.18	\$ 12.10		\$ 24.96	\$ 19.74		\$ 14.86	\$ 22.89	\$ 16.00	\$ 8.52	\$ 9.53		\$ 5.70	\$ 7.52	
Residue - Settleable Solids (SS)	\$ 7.51	\$ 5.99		\$ 28.99	\$ 26.63		\$ 24.96	\$ 19.74		\$ 9.49	\$ 14.61	\$ 10.00	\$ 4.79	\$ 5.36		\$ 2.04	\$ 2.69	
Residue - Sludge Volume Index, 30 Minutes (SVI)				\$ 21.96	\$ 20.17		\$ 21.96	\$ 20.17		\$ 28.46	\$ 43.84	\$ 29.00				\$ 2.04	\$ 2.69	
Residue - Total Solids Dried at 103-105°C (TS)	\$ 7.51	\$ 5.99		\$ 8.78	\$ 8.07		\$ 24.96	\$ 19.74		\$ 10.12	\$ 15.59	\$ 13.00	\$ 12.78	\$ 14.29		\$ 5.29	\$ 6.98	
Residue - Volatile Filterable Solids, 550°C (VDS)	\$ 7.51	\$ 5.99								\$ 18.97	\$ 29.22	\$ 19.00				\$ 3.66	\$ 4.83	
Residue - Volatile Non-Filterable Solids, 550°C (VSS)				\$ 43.92	\$ 40.34		\$ 24.96	\$ 19.74		\$ 10.12	\$ 15.59	\$ 19.00	\$ 8.52	\$ 9.53		\$ 4.48	\$ 5.91	
Residue - Volatile Solids, Ignited at 500°C (VS)				\$ 21.96	\$ 20.17		\$ 24.96	\$ 19.74		\$ 10.12	\$ 15.59	\$ 19.00	\$ 12.78	\$ 14.29		\$ 4.89	\$ 6.44	
Salinity, Electrical Conductivity				\$ 14.93	\$ 13.72											\$ 7.33	\$ 9.67	
Silica, Heteropoly Blue, Spectrophotometric																\$ 14.25	\$ 18.80	
Solid Profile																\$ 10.99	\$ 14.50	
Specific Conductance, Conductivity Meter or TDS Calculation	\$ 6.01	\$ 4.80		\$ 8.78	\$ 8.07		\$ 24.96	\$ 19.74		\$ 6.64	\$ 10.23	\$ 10.00				\$ 6.92	\$ 9.13	
Specific Gravity							\$ 37.81	\$ 29.92		\$ 9.49	\$ 14.61	\$ 10.00				\$ 6.11	\$ 8.06	
Sulfate - Ion Chromatographic, liquids	\$ 7.51	\$ 5.99					\$ 37.81	\$ 29.92								\$ 14.25	\$ 18.80	
Sulfate - Ion Chromatographic, solids																\$ 40.71	\$ 53.70	
Sulfate - Turbidimetric										\$ 10.12	\$ 15.59	\$ 12.00				\$ 12.21	\$ 16.11	
Sulfide - Dissolved, as S				\$ 3.51	\$ 3.23		\$ 24.96	\$ 19.74										
Sulfide - Total, as S										\$ 6.96	\$ 10.72	\$ 10.00						
Sulfide - Total, as S				\$ 3.51	\$ 3.23		\$ 24.96	\$ 19.74										
Sulfide - Total, as S, Ion Selective Electrode																\$ 10.18	\$ 13.43	
Sulfite, Titration (KIO ₃)							\$ 24.96	\$ 19.74										
Sulfur, Total										\$ 23.72	\$ 36.53	\$ 50.00						
Surface Tension										\$ 7.91	\$ 12.18	\$ 8.00						
Surfactants, Colorimetric (MBAS)	\$ 16.52	\$ 13.19					\$ 56.72	\$ 44.87		\$ 30.67	\$ 47.24	\$ 31.00						
Taste and Odor - Flavor Profile Analysis							\$ 37.81	\$ 29.92										
Taste and Odor - Threshold Odor Number				\$ 45.68	\$ 41.96		\$ 24.96	\$ 19.74										
TCLP Extraction - Metals, Semi-Vol, Pest., Herb., & TEPH							\$ 113.44	\$ 89.75										
TCLP Extraction - Zero Headspace for Volatiles & TPPH/BTEX							\$ 113.44	\$ 89.75										

Analysis	A			B			C			D			E			F		
	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price
Temperature				\$ 2.64	\$ 2.42					\$ 4.74	\$ 7.31	\$ 5.00				\$ 2.44	\$ 3.22	
Thiocyanate, Spectrophotometric							\$ 24.96	\$ 19.74										
Thiosulfate																		
Turbidity, Nephelometric	\$ 6.01	\$ 4.80		\$ 3.51	\$ 3.23		\$ 24.96	\$ 19.74		\$ 10.44	\$ 16.07	\$ 10.00	\$ 4.79	\$ 5.36		\$ 6.11	\$ 8.06	
UV Absorbance at 254 nm				\$ 3.51	\$ 3.23		\$ 30.25	\$ 23.93										
Viscosity, Viscosimeter							\$ 24.96	\$ 19.74		\$ 14.86	\$ 22.89	\$ 15.00				\$ 81.42	\$ 107.41	
Volatile Acids	\$ 13.51	\$ 10.79					\$ 37.81	\$ 29.92					\$ 32.48	\$ 36.32		\$ 10.58	\$ 13.96	
Waste Extraction Test (WET)							\$ 113.44	\$ 89.75										
		31			32			79			53			19			71	
		48			53			159			87			38			130	

Analysis	G			H			I			J			BENCHMARKING STATISTICS			
	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Agency Count	Minimum Price	Maximum Price	Average Price
CHEMISTRY, METALS																
Chromium, Hexavalent (VI), Spectrometric (liquid)	\$ 11.50	\$ 18.30								\$ 27.54	\$ 55.30	\$ 27.21	4	\$ 18.30	\$ 109.71	\$ 65.99
Flame AA, Liquids	\$ 27.19	\$ 43.25		\$ 69.91	\$ 113.56								6	\$ 26.38	\$ 113.56	\$ 61.14
Flame AA, Solids (SW-846)													2	\$ 37.46	\$ 103.99	\$ 70.72
Graphite Furnace AA, Liquids	\$ 30.20	\$ 48.05		\$ 44.74	\$ 72.68					\$ 20.66	\$ 41.48	\$ 24.75	7	\$ 22.44	\$ 145.58	\$ 66.24
Graphite Furnace AA, Solids (SW-846)	\$ 84.45	\$ 134.35											3	\$ 96.55	\$ 150.78	\$ 127.23
Hydride Generation AA, Liquids	\$ 43.95	\$ 69.93		\$ 57.19	\$ 92.90								5	\$ 52.60	\$ 103.99	\$ 84.51
Hydride Generation AA, Solids (SW-846)													1	\$ 106.79	\$ 106.79	\$ 106.79
ICP, Liquids	\$ 15.96	\$ 25.39		\$ 44.74	\$ 72.68					\$ 6.89	\$ 13.83	\$ 8.58	7	\$ 6.11	\$ 72.68	\$ 25.76
ICP, Solids (SW-846)	\$ 13.34	\$ 21.23											4	\$ 10.45	\$ 21.23	\$ 16.18
ICP/MS, Liquids	\$ 32.21	\$ 51.24		\$ 39.15	\$ 63.59								6	\$ 12.22	\$ 63.59	\$ 31.87
ICP/MS, Preconcentration (water)													1	\$ 30.55	\$ 30.55	\$ 30.55
ICP/MS, Solids (SW-846)													4	\$ 10.45	\$ 27.43	\$ 20.78
Mercury, Liquids	\$ 40.70	\$ 64.76		\$ 94.38	\$ 153.30					\$ 25.25	\$ 50.69	\$ 29.35	9	\$ 30.55	\$ 153.30	\$ 74.13
Mercury, Solids (SW-846)	\$ 55.21	\$ 87.84								\$ 35.81	\$ 71.89	\$ 39.49	6	\$ 37.46	\$ 135.19	\$ 82.54
Miscellaneous Metals by Hach Method	\$ 17.73	\$ 28.20											1	\$ 28.20	\$ 28.20	\$ 28.20
		11			6			0			5		15	0	11	7
BIOLOGY/MICROBIOLOGY																
Algae, Planktonic - ID, Proportional Count													1	\$ 57.18	\$ 57.18	\$ 57.18
Algae, Planktonic - ID, Relative Abundance													1	\$ 104.98	\$ 104.98	\$ 104.98
Algae, Planktonic - Phytoplankton: Total Cell/Colony Count													2	\$ 57.18	\$ 58.60	\$ 57.89
Algae, Planktonic - Zooplankton: Total Cell Count													1	\$ 39.07	\$ 39.07	\$ 39.07
Bacterial - Anaerobic Bacteria, Total													1	\$ 136.73	\$ 136.73	\$ 136.73
Bacterial - Coliform, Fecal - MF	\$ 18.62	\$ 20.62		\$ 36.47	\$ 64.15					\$ 15.79	\$ 22.01	\$ 20.73	5	\$ 20.62	\$ 64.15	\$ 43.37
Bacterial - Coliform, Fecal - MPN, Aqueous	\$ 104.21	\$ 115.38		\$ 66.05	\$ 116.19								7	\$ 39.07	\$ 116.19	\$ 71.28
Bacterial - Coliform, Fecal - MPN, Aqueous (A-1)													1	\$ 38.26	\$ 38.26	\$ 38.26
Bacterial - Coliform, Fecal - MPN, Solid	\$ 100.42	\$ 111.19								\$ 27.24	\$ 37.97	\$ 33.52	5	\$ 37.97	\$ 139.98	\$ 94.00
Bacterial - Coliform, Fecal/E. coli - EC-MUG				\$ 197.47	\$ 347.37								4	\$ 39.07	\$ 347.37	\$ 130.00
Bacterial - Coliform, Fecal/E. coli - Quantitray													1	\$ 12.24	\$ 12.24	\$ 12.24
Bacterial - Coliform, Total - MF	\$ 31.13	\$ 34.47		\$ 24.08	\$ 42.36					\$ 15.79	\$ 22.01	\$ 20.73	6	\$ 22.01	\$ 42.36	\$ 34.99
Bacterial - Coliform, Total - MPN, Aqueous				\$ 108.71	\$ 191.23								7	\$ 39.07	\$ 191.23	\$ 73.60
Bacterial - Coliform, Total - Presence/Absence	\$ 9.47	\$ 10.49											2	\$ 10.49	\$ 26.10	\$ 18.30
Bacterial - Coliform, Total & Fecal, MPN, Aqueous													1	\$ 69.99	\$ 69.99	\$ 69.99
Bacterial - Coliform, Total & Fecal, MPN, Solid													1	\$ 58.60	\$ 58.60	\$ 58.60
Bacterial - Coliform, Total/E. coli - MMO-MUG, Colilert	\$ 7.39	\$ 8.18		\$ 6.88	\$ 12.10								4	\$ 6.12	\$ 31.25	\$ 14.41
Bacterial - Disinfectant Challenge													1	\$ 1,399.75	\$ 1,399.75	\$ 1,399.75
Bacterial - E. coli, Nutrient Agar-MUG													1	\$ 15.63	\$ 15.63	\$ 15.63
Bacterial - Enterococcus, Enterolert				\$ 24.08	\$ 42.36								1	\$ 42.36	\$ 42.36	\$ 42.36
Bacterial - Fecal Streptococcus/Enterococci, MF	\$ 19.42	\$ 21.50								\$ 15.79	\$ 22.01	\$ 20.73	5	\$ 21.50	\$ 83.99	\$ 44.13
Bacterial - Fecal Streptococcus/Enterococci, MPN, Aqueous				\$ 71.56	\$ 125.88								4	\$ 53.08	\$ 139.98	\$ 96.82
Bacterial - Fecal Streptococcus/Enterococci, MPN, Solid													1	\$ 174.97	\$ 174.97	\$ 174.97
Bacterial - Heterotrophic Plate Count, MF										\$ 15.79	\$ 22.01	\$ 22.93	2	\$ 22.01	\$ 104.98	\$ 63.50
Bacterial - Heterotrophic Plate Count, Pour Plate	\$ 53.05	\$ 58.74		\$ 101.14	\$ 177.92					\$ 15.79	\$ 22.01	\$ 22.93	5	\$ 22.01	\$ 177.92	\$ 72.82
Bacterial - Heterotrophic Plate Count, Pour Plate, R2A Agar, Rm. Temp.													1	\$ 76.51	\$ 76.51	\$ 76.51
Bacterial - Heterotrophic Plate Count, Spread Plate													1	\$ 39.07	\$ 39.07	\$ 39.07
Bacterial - Listeria monocytocolitica, MPN, Aqueous													1	\$ 769.86	\$ 769.86	\$ 769.86
Bacterial - Listeria monocytogenes, MPN, Solid													1	\$ 923.84	\$ 923.84	\$ 923.84
Bacterial - Microorganism I.D., API Strip													1	\$ 97.67	\$ 97.67	\$ 97.67
Bacterial - Ribosomal RNA Processing													1	\$ 174.97	\$ 174.97	\$ 174.97
Bacterial - Salmonella, MPN, Aqueous													1	\$ 594.90	\$ 594.90	\$ 594.90
Bacterial - Salmonella, MPN, Solid	\$ 242.53	\$ 268.53											4	\$ 195.33	\$ 769.86	\$ 456.05
Bacterial - Yersinia enterocolitca, MPN, Aqueous													1	\$ 979.83	\$ 979.83	\$ 979.83
Bacterial - Yersinia enterocolitca, MPN, Solid													1	\$ 1,175.79	\$ 1,175.79	\$ 1,175.79
Germination Index													1	\$ 372.92	\$ 372.92	\$ 372.92
Microscopic - Filamentous Bacteria Identification/Enumeration	\$ 7.11	\$ 7.87		\$ 17.20	\$ 30.26								2	\$ 7.87	\$ 30.26	\$ 19.06
Microscopic - Identification/Enumeration of Organisms				\$ 9.63	\$ 16.94								2	\$ 16.94	\$ 97.67	\$ 57.31
Microscopic - Mixed Liquor Assesment	\$ 40.26	\$ 44.58											3	\$ 37.29	\$ 44.58	\$ 40.56
Microscopic - Nocardia and/or Filament Count													1	\$ 120.58	\$ 120.58	\$ 120.58

Analysis	G			H			I			J			BENCHMARKING STATISTICS			
	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Agency Count	Minimum Price	Maximum Price	Average Price
Oxygen Consumption - Oxygen Consumption Rate													1	\$ 79.56	\$ 79.56	\$ 79.56
Oxygen Consumption - Respiration Rate/Sludge Volume Index													3	\$ 18.20	\$ 97.67	\$ 51.89
Parasites - Cryptosporidium, oocysts/100 L													2	\$ 195.33	\$ 497.23	\$ 346.28
Parasites - Giardia lamblia, cysts/100 L													2	\$ 195.33	\$ 497.23	\$ 346.28
Parasites - Helminth Ova													2	\$ 351.60	\$ 745.85	\$ 548.72
Parasites - Nematode Enumeration													1	\$ 78.13	\$ 78.13	\$ 78.13
Parasites - Parasites ID/Enumeration													1	\$ 279.95	\$ 279.95	\$ 279.95
Virus - Bacteriophage	\$ 189.48	\$ 209.79		\$ 77.75	\$ 136.77								3	\$ 136.77	\$ 290.74	\$ 212.43
Virus - Enteric Virus													2	\$ 586.00	\$ 4,284.58	\$ 2,435.29
Virus - Enteric Virus, Solid; (Glycine/AIC12-/Beef Extract)													1	\$ 839.85	\$ 839.85	\$ 839.85
		12			12			0			6		50	0	23	11
Biototoxicity - Bacterial Growth Support Potential, 100 day, % Survival													1	\$ 1,718.93	\$ 1,718.93	\$ 1,718.93
Biototoxicity - Ceriodaphnia, Acute, Static Renewal, 48 hr., % Survival													1	\$ 1,173.05	\$ 1,173.05	\$ 1,173.05
Biototoxicity - Ceriodaphnia, Chronic, Static Renewal, 7-day, Repro./Surv.	\$ 4,215.86	\$ 4,667.83		\$ 2,322.16	\$ 4,084.91								3	\$ 2,441.48	\$ 4,667.83	\$ 3,731.41
Biototoxicity - Daphnia pulex, Acute													1	\$ 1,144.44	\$ 1,144.44	\$ 1,144.44
Biototoxicity - Echinoderm, Chronic, 2 hr., % Fertilization													1	\$ 703.20	\$ 703.20	\$ 703.20
Biototoxicity - Fathead & Stickleback, Acute, Cont. Flow, 96 hr., % Survival													1	\$ 546.93	\$ 546.93	\$ 546.93
Biototoxicity - Fathead Minnow, Acute, Cont. Flow, 96 hr., % Survival													1	\$ 530.78	\$ 530.78	\$ 530.78
Biototoxicity - Fathead Minnow, Acute, Static Renewal, 96 hr. % Survival													2	\$ 468.80	\$ 530.78	\$ 499.79
Biototoxicity - Fathead Minnow, Acute, Static Renewal, 96 hr. % Survival													2	\$ 468.80	\$ 1,621.30	\$ 1,045.05
Biototoxicity - Fathead Minnow, Acute, Static, 96 hr. % Survival	\$ 1,278.97	\$ 1,416.08											1	\$ 1,416.08	\$ 1,416.08	\$ 1,416.08
Biototoxicity - Fathead Minnow, Acute, Static, 96 hr. LC50	\$ 1,421.07	\$ 1,573.43											2	\$ 398.08	\$ 1,573.43	\$ 985.75
Biototoxicity - Fathead Minnow, Chronic, Larval Survival/Growth	\$ 3,244.79	\$ 3,592.66											2	\$ 3,433.33	\$ 3,592.66	\$ 3,512.99
Biototoxicity - Golden Shiner, Acute, Cont. Flow, 96 hr., % Survival													1	\$ 870.16	\$ 870.16	\$ 870.16
Biototoxicity - Golden Shiner, Acute, Static Renewal, 96 hr., % Surv.													1	\$ 994.47	\$ 994.47	\$ 994.47
Biototoxicity - Golden Shiner, Acute, Static, 96 hr., % Survival													1	\$ 870.16	\$ 870.16	\$ 870.16
Biototoxicity - Halibut, Chronic	\$ 1,586.87	\$ 1,756.99											1	\$ 1,756.99	\$ 1,756.99	\$ 1,756.99
Biototoxicity - Macrocytis, Chronic	\$ 1,894.77	\$ 2,097.90											1	\$ 2,097.90	\$ 2,097.90	\$ 2,097.90
Biototoxicity - Menidia, Chronic	\$ 3,931.64	\$ 4,353.15											2	\$ 3,814.81	\$ 4,353.15	\$ 4,083.98
Biototoxicity - Microtox, Bacterial Bioluminescence										\$ 29.61	\$ 41.27	\$ 45.53	3	\$ 41.27	\$ 143.06	\$ 102.88
Biototoxicity - Mysidopsis, Chronic, Survival/Growth													1	\$ 4,959.26	\$ 4,959.26	\$ 4,959.26
Biototoxicity - Mytilus spp., Bivalve Larval Shell Development Test				\$ 265.39	\$ 466.85								1	\$ 466.85	\$ 466.85	\$ 466.85
Biototoxicity - Rainbow Trout , Acute, Cont. Flow, 96 hr., % Survival													1	\$ 468.80	\$ 468.80	\$ 468.80
Biototoxicity - Rainbow Trout , Acute, Static Renewal, 96 hr., % Survival													2	\$ 468.80	\$ 2,307.96	\$ 1,388.38
Biototoxicity - Selenastrum, Chronic	\$ 710.54	\$ 786.71											1	\$ 786.71	\$ 786.71	\$ 786.71
Biototoxicity - Stickleback, Acute, Static Renewal, 96 hr. % Survival				\$ 543.49	\$ 956.05								2	\$ 468.80	\$ 956.05	\$ 712.43
		8			3			0			1		25	0	9	4
		20			15			0			7		75	0	32	15
CHEMISTRY, ORGANICS																
Air Toxics	\$ 223.31	\$ 303.44											2	\$ 303.44	\$ 512.54	\$ 407.99
Butyltins, Mono-, Di-, & Tri-, by GC/MS													1	\$ 859.23	\$ 859.23	\$ 859.23
Carbon Dioxide by GC													1	\$ 97.81	\$ 97.81	\$ 97.81
Chloral Hydrate													1	\$ 252.72	\$ 252.72	\$ 252.72
Cyanogen Chloride, by GC/MS										\$ 81.99	\$ 124.04	\$ 84.22	1	\$ 124.04	\$ 124.04	\$ 124.04
Dalapon, by GC/ECD													1	\$ 303.26	\$ 303.26	\$ 303.26
Digester Gas, by GC													2	\$ 162.55	\$ 303.26	\$ 232.90
EDB/DBCP, by GC/ECD													1	\$ 283.04	\$ 283.04	\$ 283.04
Endothal, by GC/MS													1	\$ 505.43	\$ 505.43	\$ 505.43
Ethylene Glycol, by GC/MS													1	\$ 808.69	\$ 808.69	\$ 808.69
Fixed Gas Analysis	\$ 211.86	\$ 287.88											1	\$ 287.88	\$ 287.88	\$ 287.88
Formaldehyde by Deriv., by HPLC										\$ 256.23	\$ 387.62	\$ 297.26	1	\$ 387.62	\$ 387.62	\$ 387.62
Geosmin, MIB, CLSA, by GC/MS													1	\$ 909.78	\$ 909.78	\$ 909.78
Glyphosphate, by HPLC													1	\$ 252.72	\$ 252.72	\$ 252.72
Haloacetic Acids													1	\$ 303.26	\$ 303.26	\$ 303.26
Herbicides - Chlorinated Acids, by GC/ECD, Liquid	\$ 440.89	\$ 599.10											2	\$ 505.43	\$ 599.10	\$ 552.27
Herbicides - Chlorinated Acids, by GC/ECD, Solid	\$ 503.87	\$ 684.69											2	\$ 505.43	\$ 684.69	\$ 595.06
Hydrogen Sulfide (H ₂ S) Gas, by Draeger Tube	\$ 17.18	\$ 23.34		\$ 11.56	\$ 41.04								5	\$ 23.34	\$ 202.17	\$ 77.99

Analysis	G			H			I			J			BENCHMARKING STATISTICS			
	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Agency Count	Minimum Price	Maximum Price	Average Price
Lipids	\$ 206.13	\$ 280.10											2	\$ 85.42	\$ 280.10	\$ 182.76
Methane by GC													1	\$ 97.81	\$ 97.81	\$ 97.81
Nitrogen Gas by GC													1	\$ 98.41	\$ 98.41	\$ 98.41
Organic Lead, by Cal. DOHS LUFT													1	\$ 80.87	\$ 80.87	\$ 80.87
Organochlorine - Pesticides/PCBs, by GC/ECD													1	\$ 303.26	\$ 303.26	\$ 303.26
Organochlorine - Pesticides/PCBs, by GC/ECD	\$ 331.46	\$ 450.41		\$ 373.20	\$ 1,325.14					\$ 204.99	\$ 310.09	\$ 212.11	7	\$ 263.33	\$ 1,325.14	\$ 477.10
Organochlorine - Pesticides/PCBs, by GC/ECD, Solid	\$ 962.52	\$ 1,307.91								\$ 256.23	\$ 387.62	\$ 256.21	5	\$ 354.16	\$ 1,307.91	\$ 576.23
Organochlorine - Solvents, Pesticides/Herbicides													1	\$ 252.72	\$ 252.72	\$ 252.72
Oxygen Gas by GC													1	\$ 97.81	\$ 97.81	\$ 97.81
PAHs by GC/MS	\$ 314.92	\$ 427.93											2	\$ 404.34	\$ 427.93	\$ 416.14
PAHs by HPLC				\$ 500.36	\$ 1,776.63								2	\$ 454.89	\$ 1,776.63	\$ 1,115.76
PAHs by SIM													1	\$ 1,196.76	\$ 1,196.76	\$ 1,196.76
Paraquat/Diquat, by HPLC													1	\$ 404.34	\$ 404.34	\$ 404.34
PCB Congeners by GC/ECD				\$ 47.06	\$ 167.11								3	\$ 167.11	\$ 404.34	\$ 283.03
PCB, by GC/ECD													1	\$ 303.26	\$ 303.26	\$ 303.26
PCB, by GC/ECD				\$ 320.36	\$ 1,137.51								3	\$ 170.85	\$ 1,137.51	\$ 537.21
PCB, by GC/ECD, Solid													2	\$ 256.27	\$ 303.26	\$ 279.76
PCB, by SIM													1	\$ 1,196.76	\$ 1,196.76	\$ 1,196.76
PCBs, Perchlorination, by GC/ECD													1	\$ 505.43	\$ 505.43	\$ 505.43
Pesticides and Herbicides, Carbamates, by HPLC													1	\$ 252.72	\$ 252.72	\$ 252.72
Pesticides, Organophosphorous, liquid				\$ 122.20	\$ 433.90								2	\$ 256.27	\$ 433.90	\$ 345.08
Pesticides, Organophosphorous, solid				\$ 142.02	\$ 504.26								2	\$ 298.98	\$ 504.26	\$ 401.62
Pesticides, Organophosphorous by SIM													1	\$ 1,196.76	\$ 1,196.76	\$ 1,196.76
Pesticides, Phosphorous & Nitrogen, by GC/NPD				\$ 59.45	\$ 211.08								2	\$ 211.08	\$ 303.26	\$ 257.17
Petroleum Hydrocarbons - by GC/FID										\$ 133.24	\$ 201.56	\$ 159.64	1	\$ 201.56	\$ 201.56	\$ 201.56
Petroleum Hydrocarbons - Diesel, Extraction, by GC/FID, Liquids													2	\$ 128.14	\$ 404.34	\$ 266.24
Petroleum Hydrocarbons - Diesel, Extraction, by GC/FID, Solid													1	\$ 128.14	\$ 128.14	\$ 128.14
Petroleum Hydrocarbons - Extractable										\$ 266.48	\$ 403.12	\$ 274.30	1	\$ 403.12	\$ 403.12	\$ 403.12
Petroleum Hydrocarbons - Gasoline, Purge & Trap, by GC/FID, liquid													2	\$ 128.14	\$ 202.17	\$ 165.15
Petroleum Hydrocarbons - Identification													1	\$ 128.14	\$ 128.14	\$ 128.14
Petroleum Hydrocarbons - Total										\$ 51.25	\$ 77.52	\$ 55.17	2	\$ 76.88	\$ 77.52	\$ 77.20
Petroleum Hydrocarbons - Total Purgeable				\$ 160.18	\$ 568.76								1	\$ 568.76	\$ 568.76	\$ 568.76
Petroleum Hydrocarbons - Volatile										\$ 266.48	\$ 403.12	\$ 242.98	1	\$ 403.12	\$ 403.12	\$ 403.12
Purgeable Aromatics, by GC				\$ 52.02	\$ 184.70								2	\$ 173.04	\$ 184.70	\$ 178.87
Purgeable Halocarbons, by GC				\$ 52.02	\$ 184.70								2	\$ 173.04	\$ 184.70	\$ 178.87
Semivolatile Organics (BNA), by GC/MS													1	\$ 454.89	\$ 454.89	\$ 454.89
Semivolatile Organics (BNA), by GC/MS	\$ 327.32	\$ 444.78		\$ 405.40	\$ 1,439.48								7	\$ 324.64	\$ 1,439.48	\$ 618.89
Semivolatile Organics (BNA), by GC/MS, for TICs										\$ 189.61	\$ 286.84	\$ 195.19	2	\$ 286.84	\$ 427.12	\$ 356.98
Semivolatile Organics (BNA), by GC/MS, Solid	\$ 536.20	\$ 728.62								\$ 238.30	\$ 360.48	\$ 237.09	4	\$ 360.48	\$ 728.62	\$ 501.50
Sulfide Gas													1	\$ 37.91	\$ 37.91	\$ 37.91
Sulfur Compounds, by GC	\$ 237.05	\$ 322.11											2	\$ 322.11	\$ 325.09	\$ 323.60
Trihalomethane, Formation Potential, 7 Day, by GC/HECD													1	\$ 303.26	\$ 303.26	\$ 303.26
Trihalomethane, Total, by GC/HECD													1	\$ 202.17	\$ 202.17	\$ 202.17
Volatile Aromatics, by GC/PID													1	\$ 222.39	\$ 222.39	\$ 222.39
Volatile Organics, by GC/MS													1	\$ 303.26	\$ 303.26	\$ 303.26
Volatile Organics, by GC/MS, for TICs										\$ 81.99	\$ 124.04	\$ 84.22	3	\$ 124.04	\$ 243.82	\$ 193.81
Volatile Organics, by GC/MS, Purgeable	\$ 88.67	\$ 120.49		\$ 113.12	\$ 401.65								6	\$ 94.44	\$ 478.70	\$ 269.99
Volatile Organics, by GC/MS, Solids	\$ 188.95	\$ 256.76								\$ 85.58	\$ 129.46	\$ 87.31	4	\$ 129.46	\$ 303.26	\$ 225.76
		14			13			0					66	0	39	12
CONVENTIONAL CHEMISTRY																
Acidity in Liquid SO ₂													1	\$ 19.48	\$ 19.48	\$ 19.48
Acidity, Titration										\$ 14.72	\$ 22.43	\$ 18.49	2	\$ 22.43	\$ 41.88	\$ 32.15
Alkalinity - CO ₃	\$ 10.35	\$ 12.71											4	\$ 5.98	\$ 16.08	\$ 12.35
Alkalinity - Electrometric Titration to pH 4.5	\$ 10.35	\$ 12.71		\$ 11.99	\$ 17.61								4	\$ 4.84	\$ 17.61	\$ 10.89
Alkalinity - HCO ₃	\$ 8.28	\$ 10.17											3	\$ 5.98	\$ 14.61	\$ 10.25
Alkalinity - OH ⁻													1	\$ 19.74	\$ 19.74	\$ 19.74
Alkalinity - Total	\$ 23.60	\$ 28.98								\$ 14.72	\$ 22.43	\$ 18.49	5	\$ 11.28	\$ 28.98	\$ 19.41
Ammonia - Automated, liquid										\$ 9.20	\$ 14.02	\$ 12.38	4	\$ 5.99	\$ 15.59	\$ 12.26
Ammonia - Automated, solid	\$ 65.40	\$ 80.33											5	\$ 14.29	\$ 80.33	\$ 36.08
Ammonia - Distillation & Titrimetric	\$ 20.70	\$ 25.42								\$ 23.92	\$ 36.45	\$ 30.43	5	\$ 24.21	\$ 36.45	\$ 30.53

Analysis	G			H			I			J			BENCHMARKING STATISTICS			
	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Agency Count	Minimum Price	Maximum Price	Average Price
Ammonia - Electrode, Known Addition				\$ 8.87	\$ 13.01								2	\$ 10.74	\$ 13.01	\$ 11.88
Ammonia - Nesslerization													1	\$ 14.96	\$ 14.96	\$ 14.96
Ammonia - Titration				\$ 21.90	\$ 32.15								1	\$ 32.15	\$ 32.15	\$ 32.15
Ammonia - Total, Spectroscopy													1	\$ 29.92	\$ 29.92	\$ 29.92
Ammonia - Undissociated, Calculation													2	\$ 5.98	\$ 8.07	\$ 7.03
Biochemical Oxygen Demand - Carbonaceous	\$ 25.25	\$ 31.01								\$ 20.24	\$ 30.84	\$ 26.49	6	\$ 8.39	\$ 31.01	\$ 25.71
Biochemical Oxygen Demand - Soluble	\$ 25.25	\$ 31.01								\$ 20.24	\$ 30.84	\$ 26.49	5	\$ 20.46	\$ 38.89	\$ 31.38
Biochemical Oxygen Demand - Total	\$ 29.22	\$ 35.89		\$ 30.77	\$ 45.16					\$ 20.24	\$ 30.84	\$ 29.49	8	\$ 16.11	\$ 45.16	\$ 29.51
Bromate/Bromide													1	\$ 47.86	\$ 47.86	\$ 47.86
Carbon Dioxide										\$ 0.74	\$ 1.12	\$ 2.31	2	\$ 1.12	\$ 2.69	\$ 1.90
Carbon, Particulate										\$ 23.19	\$ 35.32	\$ 30.79	1	\$ 35.32	\$ 35.32	\$ 35.32
Caustic Titer (Odor Control)													1	\$ 74.11	\$ 74.11	\$ 74.11
Caustic, % of Solution, Titration													1	\$ 12.18	\$ 12.18	\$ 12.18
Chemical Oxygen Demand - Open Reflux													1	\$ 17.72	\$ 17.72	\$ 17.72
Chemical Oxygen Demand - Spectrophotometric, Dissolved										\$ 5.89	\$ 8.97	\$ 9.67	3	\$ 8.97	\$ 35.90	\$ 23.89
Chemical Oxygen Demand - Spectrophotometric, Total										\$ 5.89	\$ 8.97	\$ 9.67	7	\$ 8.97	\$ 29.92	\$ 16.25
Chlorate/Chlorite													1	\$ 89.75	\$ 89.75	\$ 89.75
Chloride - Argentometric	\$ 8.28	\$ 10.17								\$ 9.20	\$ 14.02	\$ 12.08	2	\$ 10.17	\$ 14.02	\$ 12.09
Chloride - Automated, Ferricyanide													2	\$ 14.61	\$ 80.69	\$ 47.65
Chloride - Ion Chromatography, liquid	\$ 10.35	\$ 12.71								\$ 25.76	\$ 39.25	\$ 32.88	5	\$ 8.39	\$ 39.25	\$ 21.81
Chloride - Ion Chromatography, solid													2	\$ 29.92	\$ 53.70	\$ 41.81
Chloride - Titration, Colorimetric, liquid													2	\$ 17.19	\$ 29.92	\$ 23.55
Chlorine Residual - Amperometric, Back Titration, Total/Free													5	\$ 7.19	\$ 29.92	\$ 16.87
Chlorine Residual - Amperometric, Mono-, Di-, Tri-chloramine				\$ 18.77	\$ 27.56								2	\$ 17.72	\$ 27.56	\$ 22.64
Chlorine Residual - DPD, Free & Total	\$ 12.42	\$ 15.25		\$ 18.77	\$ 27.56					\$ 2.21	\$ 3.36	\$ 3.35	6	\$ 3.36	\$ 27.56	\$ 12.37
Chlorine Residual - Titration, Iodometric										\$ 25.76	\$ 39.25	\$ 32.60	2	\$ 29.92	\$ 39.25	\$ 34.58
Chlorophyll a, Fluorometric										\$ 18.40	\$ 28.04	\$ 23.46	3	\$ 10.79	\$ 28.04	\$ 17.00
Chlorophyll, Spectrophotometric													2	\$ 18.80	\$ 74.79	\$ 46.79
CO2 Generation Rate													1	\$ 243.53	\$ 243.53	\$ 243.53
Color - Spectrophotometric													1	\$ 29.92	\$ 29.92	\$ 29.92
Color - Visual Comparison				\$ 11.47	\$ 16.84								5	\$ 2.40	\$ 29.92	\$ 12.57
Cyanide - Amenable to Chlorination				\$ 586.70	\$ 861.15					\$ 25.76	\$ 39.25	\$ 32.84	5	\$ 11.99	\$ 861.15	\$ 198.57
Cyanide - Solid										\$ 27.60	\$ 42.05	\$ 35.05	3	\$ 42.05	\$ 93.98	\$ 75.26
Cyanide - Total	\$ 74.51	\$ 91.51		\$ 68.32	\$ 100.28					\$ 25.76	\$ 39.25	\$ 32.84	7	\$ 13.19	\$ 100.28	\$ 58.58
Cyanide - Weak Acid Dissociable (WAD)				\$ 312.91	\$ 459.28								2	\$ 32.22	\$ 459.28	\$ 245.75
Flash Point, Pensky-Martens Closed-cup	\$ 24.01	\$ 29.49											3	\$ 7.19	\$ 39.49	\$ 25.39
Floatables, Wastewater	\$ 144.88	\$ 177.94											2	\$ 136.95	\$ 177.94	\$ 157.45
Fluorescence, Percent, Selected Wavelength													1	\$ 29.92	\$ 29.92	\$ 29.92
Fluoride, Ion Selective Electrode	\$ 28.98	\$ 35.59		\$ 126.21	\$ 185.24					\$ 22.08	\$ 33.64	\$ 30.79	4	\$ 29.92	\$ 185.24	\$ 71.10
Foam Test													1	\$ 26.79	\$ 26.79	\$ 26.79
Hardness - Calcium, EDTA Titrimetric	\$ 20.82	\$ 25.57											4	\$ 2.69	\$ 29.92	\$ 16.64
Hardness - Magnesium, Gravimetric													1	\$ 2.69	\$ 2.69	\$ 2.69
Hardness - Total, EDTA Titration				\$ 281.10	\$ 412.59								5	\$ 2.69	\$ 412.59	\$ 92.77
Hydrogen Sulfide by Spectroscopy													2	\$ 5.91	\$ 74.79	\$ 40.35
Lime Requirement													1	\$ 19.48	\$ 19.48	\$ 19.48
Moisture, %													1	\$ 19.48	\$ 19.48	\$ 19.48
Nitrogen - Nitrate, Colorimetric													1	\$ 5.91	\$ 5.91	\$ 5.91
Nitrogen - Nitrate, Electrode													2	\$ 12.18	\$ 32.91	\$ 22.54
Nitrogen - Nitrate, UV Spectrophotometric Screening	\$ 12.42	\$ 15.25											1	\$ 15.25	\$ 15.25	\$ 15.25
Nitrogen - Nitrate:Nitrite, Automated										\$ 9.20	\$ 14.02	\$ 12.38	4	\$ 5.99	\$ 15.59	\$ 12.26
Nitrogen - Nitrate:Nitrite, Cadmium Reduction	\$ 33.12	\$ 40.67		\$ 16.17	\$ 23.73								4	\$ 23.73	\$ 53.70	\$ 36.22
Nitrogen - Nitrate:Nitrite, Ion Chromatography				\$ 17.21	\$ 25.26					\$ 9.20	\$ 14.02	\$ 12.38	4	\$ 5.99	\$ 39.49	\$ 21.19
Nitrogen - Nitrate:Nitrite, Manual, Chromatographic Acid													1	\$ 40.34	\$ 40.34	\$ 40.34
Nitrogen - Nitrite, Colorimetric													1	\$ 5.91	\$ 5.91	\$ 5.91
Nitrogen - Nitrite, Spectrophotometric, Manual													3	\$ 18.51	\$ 29.92	\$ 25.09
Nitrogen - Nitrite, Spectrophotometric, Std. Add., Manual	\$ 21.00	\$ 25.80								\$ 9.20	\$ 14.02	\$ 12.38	4	\$ 14.02	\$ 44.87	\$ 25.21
Nitrogen - Organic, Calculation													2	\$ 1.61	\$ 11.97	\$ 6.79
Nitrogen - Organic, TKN-NH3	\$ 39.25	\$ 48.20		\$ 263.89	\$ 387.33					\$ 31.28	\$ 47.66	\$ 41.31	8	\$ 11.99	\$ 387.33	\$ 78.01
Nitrogen - Organic, TKN-NH3, Semi-Automatic										\$ 31.28	\$ 47.66	\$ 41.31	3	\$ 33.34	\$ 67.13	\$ 49.38
Nitrogen - Total, Dissolved										\$ 26.87	\$ 40.93	\$ 37.68	1	\$ 40.93	\$ 40.93	\$ 40.93
Nitrogen - Total, Particulate										\$ 23.19	\$ 35.32	\$ 30.79	1	\$ 35.32	\$ 35.32	\$ 35.32
Nitrogen - Total, liquids													1	\$ 18.80	\$ 18.80	\$ 18.80
Oil & Grease - Hydrocarbons, Silica Gel, liquid	\$ 53.81	\$ 66.09											4	\$ 10.79	\$ 66.09	\$ 47.60

Analysis	G			H			I			J			BENCHMARKING STATISTICS			
	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Agency Count	Minimum Price	Maximum Price	Average Price
Oil & Grease - Hydrocarbons, Silica Gel, solid													2	\$ 80.56	\$ 119.66	\$ 100.11
Oil & Grease - IR Spectrophotometric	\$ 413.95	\$ 508.41											1	\$ 508.41	\$ 508.41	\$ 508.41
Oil & Grease - Liquid/Liquid Extraction	\$ 73.29	\$ 90.01											2	\$ 56.07	\$ 90.01	\$ 73.04
Oil & Grease - Solid Phase Extraction													1	\$ 56.07	\$ 56.07	\$ 56.07
Oil & Grease - Total, Gravimetric, liquids				\$ 204.43	\$ 300.06								6	\$ 19.18	\$ 300.06	\$ 84.81
Oil & Grease - Total, Gravimetric, solids													2	\$ 51.21	\$ 67.13	\$ 59.17
Organic Carbon - Dissolved (DOC), Combustion IR													1	\$ 13.43	\$ 13.43	\$ 13.43
Organic Carbon - Dissolved (DOC), Persulfate-UV Oxidation													1	\$ 65.81	\$ 65.81	\$ 65.81
Organic Carbon - Total (TOC), Combustion IR, liquid	\$ 28.98	\$ 35.59		\$ 10.43	\$ 15.31								4	\$ 15.31	\$ 35.59	\$ 23.03
Organic Carbon - Total (TOC), Combustion IR, solids	\$ 48.43	\$ 59.48											2	\$ 59.48	\$ 112.78	\$ 86.13
Organic Carbon - Total (TOC), Persulfate-UV Oxidation													1	\$ 59.83	\$ 59.83	\$ 59.83
Organic Halide - Total (TOX)	\$ 115.91	\$ 142.35											2	\$ 44.87	\$ 142.35	\$ 93.61
Oxidation Reduction Potential (ORP)	\$ 10.35	\$ 12.71											1	\$ 12.71	\$ 12.71	\$ 12.71
Oxygen, Dissolved, Azide Modification	\$ 9.71	\$ 11.93											2	\$ 9.67	\$ 11.93	\$ 10.80
Oxygen, Dissolved, Electrode				\$ 20.86	\$ 30.62								6	\$ 4.49	\$ 30.62	\$ 13.79
Paint Filter Liquids Test (Free Moisture)													2	\$ 12.18	\$ 29.92	\$ 21.05
Particle Size Distribution	\$ 135.78	\$ 166.76											2	\$ 59.83	\$ 166.76	\$ 113.29
Particle Size Range Analysis													1	\$ 31.17	\$ 31.17	\$ 31.17
pH - Electrometric, Aqueous	\$ 5.96	\$ 7.32		\$ 6.26	\$ 9.19								9	\$ 2.42	\$ 17.95	\$ 7.73
pH - Electrometric, Non-liquid													2	\$ 23.93	\$ 26.85	\$ 25.39
Phenolics, Total, Spectrophotometric	\$ 62.92	\$ 77.28		\$ 256.59	\$ 376.61								6	\$ 8.39	\$ 376.61	\$ 100.48
Phosphorous - Bioavailable													1	\$ 18.80	\$ 18.80	\$ 18.80
Phosphorous - Citrate-Insoluble in Fertilizers, P ₂ O ₅													2	\$ 89.75	\$ 196.25	\$ 143.00
Phosphorous - Dissolved, for Boiler	\$ 8.69	\$ 10.68											1	\$ 10.68	\$ 10.68	\$ 10.68
Phosphorous - Dissolved, Total													1	\$ 40.93	\$ 40.93	\$ 40.93
Phosphorous - Particulate													1	\$ 42.05	\$ 42.05	\$ 42.05
Phosphorous - Total/Ortho-, Ascorbic Acid Method													6	\$ 7.19	\$ 40.93	\$ 24.60
Phosphorous - Total/Ortho-, Automated, Ascorbic Acid													4	\$ 5.99	\$ 26.79	\$ 13.85
Phosphorous - Total/Ortho-, Ion Chromatography													1	\$ 28.04	\$ 28.04	\$ 28.04
Phosphorous - Total/Ortho-, Manual (Modified)													1	\$ 17.19	\$ 17.19	\$ 17.19
Phosphorous - Total/Ortho-, Vanadomolybdophos. Acid	\$ 19.08	\$ 23.43											3	\$ 11.99	\$ 53.70	\$ 29.71
Polymer, % Active													1	\$ 358.98	\$ 358.98	\$ 358.98
Polymer, Friction Reduction	\$ 8.28	\$ 10.17											1	\$ 10.17	\$ 10.17	\$ 10.17
Radiological Length, %	\$ 275.28	\$ 338.09											2	\$ 327.30	\$ 338.09	\$ 332.70
Radiological, Total Gross Alpha & Beta													1	\$ 29.92	\$ 29.92	\$ 29.92
Residue - Filterable Solids, Dried at 180°C (TDS)	\$ 80.72	\$ 99.14		\$ 22.43	\$ 32.92								8	\$ 5.37	\$ 99.14	\$ 32.33
Residue - Non-Filterable Solids Dried at 103-105°C (TSS)	\$ 17.34	\$ 21.29		\$ 8.34	\$ 12.25								9	\$ 5.99	\$ 22.89	\$ 13.80
Residue - Settleable Solids (SS)	\$ 14.62	\$ 17.95		\$ 4.17	\$ 6.12								9	\$ 2.69	\$ 26.63	\$ 11.70
Residue - Sludge Volume Index, 30 Minutes (SVI)	\$ 7.04	\$ 8.64											4	\$ 2.69	\$ 43.84	\$ 18.83
Residue - Total Solids Dried at 103-105°C (TS)				\$ 8.87	\$ 13.01								8	\$ 5.99	\$ 19.74	\$ 12.14
Residue - Volatile Filterable Solids, 550°C (VDS)	\$ 6.26	\$ 7.68											4	\$ 4.83	\$ 29.22	\$ 11.93
Residue - Volatile Non-Filterable Solids, 550°C (VSS)				\$ 5.74	\$ 8.42								7	\$ 5.91	\$ 40.34	\$ 15.82
Residue - Volatile Solids, Ignited at 500°C (VS)	\$ 12.40	\$ 15.23		\$ 4.69	\$ 6.89								8	\$ 6.44	\$ 20.17	\$ 13.70
Salinity, Electrical Conductivity	\$ 9.64	\$ 11.84											4	\$ 9.67	\$ 28.04	\$ 15.81
Silica, Heteropoly Blue, Spectrophotometric													1	\$ 18.80	\$ 18.80	\$ 18.80
Solid Profile													1	\$ 14.50	\$ 14.50	\$ 14.50
Specific Conductance, Conductivity Meter or TDS Calculation	\$ 5.52	\$ 6.78		\$ 14.08	\$ 20.67								8	\$ 4.80	\$ 28.04	\$ 13.43
Specific Gravity													4	\$ 8.06	\$ 29.92	\$ 20.15
Sulfate - Ion Chromatographic, liquids	\$ 14.32	\$ 17.59											5	\$ 5.99	\$ 39.25	\$ 22.31
Sulfate - Ion Chromatographic, solids													1	\$ 53.70	\$ 53.70	\$ 53.70
Sulfate - Turbidimetric	\$ 20.48	\$ 25.15											3	\$ 15.59	\$ 25.15	\$ 18.95
Sulfide - Dissolved, as S	\$ 40.17	\$ 49.34											4	\$ 3.23	\$ 49.34	\$ 25.09
Sulfide - Total, as S	\$ 9.18	\$ 11.28											2	\$ 10.72	\$ 11.28	\$ 11.00
Sulfide - Total, as S													3	\$ 3.23	\$ 28.04	\$ 17.00
Sulfide - Total, as S, Ion Selective Electrode													1	\$ 13.43	\$ 13.43	\$ 13.43
Sulfite, Titration (KIO ₃)													2	\$ 19.74	\$ 28.04	\$ 23.89
Sulfur, Total													1	\$ 36.53	\$ 36.53	\$ 36.53
Surface Tension													1	\$ 12.18	\$ 12.18	\$ 12.18
Surfactants, Colorimetric (MBAS)	\$ 73.15	\$ 89.85											5	\$ 13.19	\$ 89.85	\$ 49.12
Taste and Odor - Flavor Profile Analysis													1	\$ 29.92	\$ 29.92	\$ 29.92
Taste and Odor - Threshold Odor Number													2	\$ 19.74	\$ 41.96	\$ 30.85
TCCLP Extraction - Metals, Semi-Vol, Pest., Herb., & TEPH	\$ 295.56	\$ 363.00											2	\$ 89.75	\$ 363.00	\$ 226.37
TCCLP Extraction - Zero Headspace for Volatiles & TPPH/BTEX													1	\$ 89.75	\$ 89.75	\$ 89.75

Analysis	G			H			I			J			BENCHMARKING STATISTICS			
	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Actual Cost Test	Reconciled Cost/Test	97-98 Price	Agency Count	Minimum Price	Maximum Price	Average Price
Temperature				\$ 15.12	\$ 22.20					\$ 2.21	\$ 3.36	\$ 3.14	5	\$ 2.42	\$ 22.20	\$ 7.70
Thiocyanate, Spectrophotometric										\$ 25.76	\$ 39.25	\$ 32.84	2	\$ 19.74	\$ 39.25	\$ 29.50
Thiosulfate	\$ 18.63	\$ 22.88											1	\$ 22.88	\$ 22.88	\$ 22.88
Turbidity, Nephelometric	\$ 15.80	\$ 19.41		\$ 5.74	\$ 8.42					\$ 7.36	\$ 11.21	\$ 22.79	9	\$ 3.23	\$ 19.74	\$ 10.70
UV Absorbance at 254 nm													2	\$ 3.23	\$ 23.93	\$ 13.58
Viscosity, Viscosimeter	\$ 23.18	\$ 28.47											4	\$ 19.74	\$ 107.41	\$ 44.63
Volatile Acids	\$ 8.72	\$ 10.71		\$ 11.99	\$ 17.61					\$ 11.04	\$ 16.82	\$ 14.24	7	\$ 10.71	\$ 36.32	\$ 19.45
Waste Extraction Test (WET)	\$ 254.16	\$ 312.16											2	\$ 89.75	\$ 312.16	\$ 200.95
		55			30			0			58		144	0	79	43
		100			64			0			82		300	0	159	76