

**APPENDIX I  
Numbers of Tests/Year**

Analysis	A	B	C	D	E	F	G	H	I	J	BENCHMARKING STATISTICS			
	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	Agency Count	Minimum # Tests	Maximum # Tests	Average # Tests
<b>CHEMISTRY, METALS</b>														
Chromium, Hexavalent (VI), Spectrometric (liquid)			123	21			96			596	4	21	596	209
Flame AA, Liquids	400	447		1,098	18,550		269	1,043			6	269	18,550	3,635
Flame AA, Solids (SW-846)	200	220									2	200	220	210
Graphite Furnace AA, Liquids		330	1,980	1,822	4,106		2,628	7,464		4,326	7	330	7,464	3,237
Graphite Furnace AA, Solids (SW-846)		100	245				1,163				3	100	1,163	503
Hydride Generation AA, Liquids		72	651	1,940			2,114	1,602			5	72	2,114	1,276
Hydride Generation AA, Solids (SW-846)			291								1	291	291	291
ICP, Liquids	7,000		24,336		1,509	28,383	19,470	5,831		26,750	7	1,509	28,383	16,183
ICP, Solids (SW-846)	2,000		5,544			3,843	2,250				4	2,000	5,544	3,409
ICP/MS, Liquids	6,000		2,877	5,806		7,518	700	1,346			6	700	7,518	4,041
ICP/MS, Preconcentration (water)						19,392					1	19,392	19,392	19,392
ICP/MS, Solids (SW-846)	1,500		420		1,400	1,777					4	420	1,777	1,274
Mercury, Liquids	450	73	924	240	142	1,835	2,297	603		2,261	9	73	2,297	981
Mercury, Solids (SW-846)	200	37	252			523	321			159	6	37	523	249
Miscellaneous Metals by Hach Method							306				1	306	306	306
	17,750	1,279	37,643	10,927	25,707	63,271	31,614	17,889	0	34,092	15	0	63,271	24,017
<b>BIOLOGY/MICROBIOLOGY</b>														
Algae, Planktonic - ID, Proportional Count				213							1	213	213	213
Algae, Planktonic - ID, Relative Abundance						754					1	754	754	754
Algae, Planktonic - Phytoplankton: Total Cell/Colony Count			448	224							2	224	448	336
Algae, Planktonic - Zooplankton: Total Cell Count			151								1	151	151	151
Bacterial - Anaerobic Bacteria, Total			5								1	5	5	5
Bacterial - Coliform, Fecal - MF	1,850					4,822	13,207	237		8,663	5	237	13,207	5,756
Bacterial - Coliform, Fecal - MPN, Aqueous		861	2,325	97	708	487	261	439			7	97	2,325	740
Bacterial - Coliform, Fecal - MPN, Aqueous (A-1)					926						1	926	926	926
Bacterial - Coliform, Fecal - MPN, Solid	650			533		175	84			37	5	37	650	296
Bacterial - Coliform, Fecal/ <i>E. coli</i> - EC-MUG	2,200		626			2		31			4	2	2,200	715
Bacterial - Coliform, Fecal/ <i>E. coli</i> - Quantitray					417						1	417	417	417
Bacterial - Coliform, Total - MF	500		10,871			1,067	13,480	1,250		3,526	6	500	13,480	5,116
Bacterial - Coliform, Total - MPN, Aqueous	100	526	3,757	932	7,017	19		852			7	19	7,017	1,886
Bacterial - Coliform, Total - Presence/Absence				1,731			193				2	193	1,731	962
Bacterial - Coliform, Total & Fecal, MPN, Aqueous						267					1	267	267	267
Bacterial - Coliform, Total & Fecal, MPN, Solid			86								1	86	86	86
Bacterial - Coliform, Total/ <i>E. coli</i> - MMO-MUG, Colilert			13		219		796	1,076			4	13	1,076	526
Bacterial - Disinfectant Challenge						12					1	12	12	12
Bacterial - <i>E. coli</i> , Nutrient Agar-MUG			29								1	29	29	29
Bacterial - Enterococcus, Enterolert								194			1	194	194	194
Bacterial - Fecal Streptococcus/Enterococci, MF	250		777			2,316	9,521			4,189	5	250	9,521	3,411
Bacterial - Fecal Streptococcus/Enterococci, MPN, Aqueous		515		13		36		458			4	13	515	256
Bacterial - Fecal Streptococcus/Enterococci, MPN, Solid						82					1	82	82	82
Bacterial - Heterotrophic Plate Count, MF						50				6	2	6	50	28
Bacterial - Heterotrophic Plate Count, Pour Plate		24	10,870				14	19		68	5	14	10,870	2,199
Bacterial - Heterotrophic Plate Count, Pour Plate, R2A Agar, Rm. Temp.					15						1	15	15	15
Bacterial - Heterotrophic Plate Count, Spread Plate			7								1	7	7	7
Bacterial - <i>Listeria monocytocolitica</i> , MPN, Aqueous						14					1	14	14	14
Bacterial - <i>Listeria monocytogenes</i> , MPN, Solid						7					1	7	7	7
Bacterial - Microorganism I.D., API Strip			27								1	27	27	27
Bacterial - Ribosomal RNA Processing						87					1	87	87	87
Bacterial - Salmonella, MPN, Aqueous						26					1	26	26	26

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Bacterial - Salmonella, MPN, Solid			6	68		89	9					4	6	89	43
Bacterial - Yersinia enterocolitca, MPN, Aqueous						6						1	6	6	6
Bacterial - Yersinia enterocolitca, MPN, Solid						2						1	2	2	2
Germination Index				8								1	8	8	8
Microscopic - Filamentous Bacteria Identification/Enumeration							897	950				2	897	950	924
Microscopic - Identification/Enumeration of Organisms			30					650				2	30	650	340
Microscopic - Mixed Liquor Assesment		52		471			1,860					3	52	1,860	794
Microscopic - <i>Nocardia</i> and/or Filament Count				127								1	127	127	127
Oxygen Consumption - Oxygen Consumption Rate				14								1	14	14	14
Oxygen Consumption - Respiration Rate/Sludge Volume Index		12	104			2,080						3	12	2,080	732
Parasites - Cryptosporidium, oocysts/100 L			72	4								2	4	72	38
Parasites - Giardia lamblia, cysts/100 L			72	4								2	4	72	38
Parasites - Helminth Ova			5	34								2	5	34	20
Parasites - Nematode Enumeration			59									1	59	59	59
Parasites - Parasites ID/Enumeration						45						1	45	45	45
Virus - Bacteriophage					171		490	131				3	131	490	264
Virus - Enteric Virus			5		22							2	5	22	14
Virus - Enteric Virus, Solid; (Glycine/AIC12-/Beef Extract)						36						1	36	36	36
	5,550	1,990	30,345	4,473	9,495	12,481	40,812	6,287	0	16,489	50	0	40,812	12,792	
Biototoxicity - Bacterial Growth Support Potential, 100 day, % Survival			1									1	1	1	1
Biototoxicity - Ceriodaphnia, Acute, Static Renewal, 48 hr., % Survival						14						1	14	14	14
Biototoxicity - Ceriodaphnia, Chronic, Static Renewal, 7-day, Repro./Surv.						23	36	33				3	23	36	31
Biototoxicity - Daphnia pulex, Acute						22						1	22	22	22
Biototoxicity - Echinoderm, Chronic, 2 hr., % Fertilization			16									1	16	16	16
Biototoxicity - Fathead & Stickleback, Acute, Cont. Flow, 96 hr., % Survival			30									1	30	30	30
Biototoxicity - Fathead Minnow, Acute, Cont. Flow, 96 hr., % Survival		12										1	12	12	12
Biototoxicity - Fathead Minnow, Acute, Static Renewal, 96 hr. % Survival		4	4									2	4	4	4
Biototoxicity - Fathead Minnow, Acute, Static Renewal, 96 hr. % Survival			1			21						2	1	21	11
Biototoxicity - Fathead Minnow, Acute, Static, 96 hr. % Survival							24					1	24	24	24
Biototoxicity - Fathead Minnow, Acute, Static, 96 hr. LC50		48					45					2	45	48	47
Biototoxicity - Fathead Minnow, Chronic, Larval Survival/Growth						17	17					2	17	17	17
Biototoxicity - Golden Shiner, Acute, Cont. Flow, 96 hr., % Survival				50								1	50	50	50
Biototoxicity - Golden Shiner, Acute, Static Renewal, 96 hr., % Surv.				43								1	43	43	43
Biototoxicity - Golden Shiner, Acute, Static, 96 hr., % Survival				1								1	1	1	1
Biototoxicity - Haliotis, Chronic							16					1	16	16	16
Biototoxicity - Macrocystis, Chronic							6					1	6	6	6
Biototoxicity - Menidia, Chronic						11	16					2	11	16	14
Biototoxicity - Microtox, Bacterial Bioluminescence			80			76				332		3	76	332	163
Biototoxicity - Mysidopsis, Chronic, Survival/Growth						10						1	10	10	10
Biototoxicity - Mytilus spp., Bivalve Larval Shell Development Test								7				1	7	7	7
Biototoxicity - Rainbow Trout, Acute, Cont. Flow, 96 hr., % Survival			45									1	45	45	45
Biototoxicity - Rainbow Trout, Acute, Static Renewal, 96 hr., % Survival			1			14						2	1	14	8
Biototoxicity - Selenastrum, Chronic							25					1	25	25	25
Biototoxicity - Stickleback, Acute, Static Renewal, 96 hr. % Survival			5					61				2	5	61	33
	0	64	103	174	0	208	185	101	0	332	25	0	332	117	
	5,550	2,054	30,448	4,647	9,495	12,689	40,997	6,388	0	16,821	75	0	41,144	12,909	
<b>CHEMISTRY, ORGANICS</b>															
Air Toxics						40	290					2	40	290	165
Butyltins, Mono-, Di-, & Tri-, by GC/MS			77									1	77	77	77
Carbon Dioxide by GC				115								1	115	115	115
Chloral Hydrate			39									1	39	39	39
Cyanogen Chloride, by GC/MS										14		1	14	14	14
Dalapon, by GC/ECD			2									1	2	2	2

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Digester Gas, by GC			50		524						2	50	524	287
EDB/DBCP, by GC/ECD			16								1	16	16	16
Endothall, by GC/MS			3								1	3	3	3
Ethylene Glycol, by GC/MS			9								1	9	9	9
Fixed Gas Analysis							414				1	414	414	414
Formaldehyde by Deriv., by HPLC										50	1	50	50	50
Geosmin, MIB, CLSA, by GC/MS			172								1	172	172	172
Glyphosphate, by HPLC			7								1	7	7	7
Haloacetic Acids			47								1	47	47	47
Herbicides - Chlorinated Acids, by GC/ECD, Liquid			6				113				2	6	113	60
Herbicides - Chlorinated Acids, by GC/ECD, Solid			5				5				2	5	5	5
Hydrogen Sulfide (H <sub>2</sub> S) Gas, by Draeger Tube			64	480	518		993	246			5	64	993	460
Lipids						590					2	135	590	363
Methane by GC				121							1	121	121	121
Nitrogen Gas by GC				121							1	121	121	121
Organic Lead, by Cal. DOHS LUFT			2								1	2	2	2
Organochlorine - Pesticides/PCBs, by GC/ECD			11								1	11	11	11
Organochlorine - Pesticides/PCBs, by GC/ECD			49	69	491	182	743	49		696	7	49	743	326
Organochlorine - Pesticides/PCBs, by GC/ECD, Solid	216		17			454	230			119	5	17	454	207
Organochlorine - Solvents, Pesticides/Herbicides			29								1	29	29	29
Oxygen Gas by GC				120							1	120	120	120
PAHs by GC/MS			46				506				2	46	506	276
PAHs by HPLC			142					54			2	54	142	98
PAHs by SIM		118									1	118	118	118
Paraquat/Diquat, by HPLC			4								1	4	4	4
PCB Congeners by GC/ECD			61			15		31			3	15	61	36
PCB, by GC/ECD			47								1	47	47	47
PCB, by GC/ECD			5			94		49			3	5	94	49
PCB, by GC/ECD, Solid			64			378					2	64	378	221
PCB, by SIM		51									1	51	51	51
PCBs, Perchlorination, by GC/ECD			9								1	9	9	9
Pesticides and Herbicides, Carbamates, by HPLC			9								1	9	9	9
Pesticides, Organophosphorous, liquid						16		32			2	16	32	24
Pesticides, Organophosphorous, solid						53		65			2	53	65	59
Pesticides, Organophosphorous by SIM		41									1	41	41	41
Pesticides, Phosphorous & Nitrogen, by GC/NPD			14					47			2	14	47	31
Petroleum Hydrocarbons - by GC/FID										1,144	1	1,144	1,144	1,144
Petroleum Hydrocarbons - Diesel, Extraction, by GC/FID, Liquids			152			89					2	89	152	121
Petroleum Hydrocarbons - Diesel, Extraction, by GC/FID, Solid						60					1	60	60	60
Petroleum Hydrocarbons - Extractable										67	1	67	67	67
Petroleum Hydrocarbons - Gasoline, Purge & Trap, by GC/FID, liquid			148			108					2	108	148	128
Petroleum Hydrocarbons - Identification						161					1	161	161	161
Petroleum Hydrocarbons - Total						53				537	2	53	537	295
Petroleum Hydrocarbons - Total Purgeable								102			1	102	102	102
Petroleum Hydrocarbons - Volatile										66	1	66	66	66
Purgeable Aromatics, by GC				299				620			2	299	620	460
Purgeable Halocarbons, by GC				288				620			2	288	620	454
Semivolatile Organics (BNA), by GC/MS			8								1	8	8	8
Semivolatile Organics (BNA), by GC/MS	250	69	101		250	674	830	159			7	69	830	333
Semivolatile Organics (BNA), by GC/MS, for TICs						347				857	2	347	857	602
Semivolatile Organics (BNA), by GC/MS, Solid			34			846	244			26	4	26	846	288
Sulfide Gas				480							1	480	480	480
Sulfur Compounds, by GC					355		216				2	216	355	286
Trihalomethane, Formation Potential, 7 Day, by GC/HECD			122								1	122	122	122
Trihalomethane, Total, by GC/HECD			376								1	376	376	376
Volatile Aromatics, by GC/PID			65								1	65	65	65
Volatile Organics, by GC/MS			527								1	527	527	527
Volatile Organics, by GC/MS, for TICs					1,471	424				2,684	3	424	2,684	1,526
Volatile Organics, by GC/MS, Purgeable	780	83	502			486	958	338			6	83	958	525

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Volatile Organics, by GC/MS, Solids			287			17	29			78	4	17	287	103
	1,246	362	3,328	2,093	3,609	5,087	5,706	2,412	0	6,338	66	0	6,338	3,018
<b>CONVENTIONAL CHEMISTRY</b>														
Acidity in Liquid SO <sub>2</sub>				65							1	65	65	65
Acidity, Titration			132							23	2	23	132	78
Alkalinity - CO <sub>3</sub>			4	5	1,254		110				4	4	1,254	343
Alkalinity - Electrometric Titration to pH 4.5	2,000	420					676	1,715			4	420	2,000	1,203
Alkalinity - HCO <sub>3</sub>			4	4			90				3	4	90	33
Alkalinity - OH <sup>-</sup>			4								1	4	4	4
Alkalinity - Total			2,194	1,658		6,539	1,768			3,059	5	1,658	6,539	3,044
Ammonia - Automated, liquid	1,000			793		4,659				2,073	4	793	4,659	2,131
Ammonia - Automated, solid			18	57	2,720	147	36				5	18	2,720	596
Ammonia - Distillation & Titrimetric		727	1,192	17			288			303	5	17	1,192	505
Ammonia - Electrode, Known Addition						3,323		6,414			2	3,323	6,414	4,869
Ammonia - Nesslerization			201								1	201	201	201
Ammonia - Titration								1,128			1	1,128	1,128	1,128
Ammonia - Total, Spectroscopy			347								1	347	347	347
Ammonia - Undissociated, Calculation		120	290								2	120	290	205
Biochemical Oxygen Demand - Carbonaceous	15,000		231	234	780		947			1,503	6	231	15,000	3,116
Biochemical Oxygen Demand - Soluble			16	65	216		684			704	5	16	704	337
Biochemical Oxygen Demand - Total		1,469	1,976	2,202	3,796	10,753	13,216	5,541		5,388	8	1,469	13,216	5,543
Bromate/Bromide			140								1	140	140	140
Carbon Dioxide						3,709				749	2	749	3,709	2,229
Carbon, Particulate										581	1	581	581	581
Caustic Titer (Odor Control)						55					1	55	55	55
Caustic, % of Solution, Titration				14							1	14	14	14
Chemical Oxygen Demand - Open Reflux						5,555					1	5,555	5,555	5,555
Chemical Oxygen Demand - Spectrophotometric, Dissolved			733	228						662	3	228	733	541
Chemical Oxygen Demand - Spectrophotometric, Total	950	721	1,375	2,265	5,025	240				4,588	7	240	5,025	2,166
Chlorate/Chlorite			80								1	80	80	80
Chloride - Argentometric							1,712			1,337	2	1,337	1,712	1,525
Chloride - Automated, Ferricyanide		6		384							2	6	384	195
Chloride - Ion Chromatography, liquid	850		4			24	380			78	5	4	850	267
Chloride - Ion Chromatography, solid			83			54					2	54	83	69
Chloride - Titration, Colorimetric, liquid			637			140					2	140	637	389
Chlorine Residual - Amperometric, Back Titration, Total/Free	8,000	544	348	920		200					5	200	8,000	2,002
Chlorine Residual - Amperometric, Mono-, Di-, Tri-chloramine						1,362		1,246			2	1,246	1,362	1,304
Chlorine Residual - DPD, Free & Total			8,744	1,590		1,094	2,979	364		5,085	6	364	8,744	3,309
Chlorine Residual - Titration, Iodometric			149							50	2	50	149	100
Chlorophyll a, Fluorometric	600			224						2,454	3	224	2,454	1,093
Chlorophyll, Spectrophotometric			450			1,905					2	450	1,905	1,178
CO <sub>2</sub> Generation Rate				8							1	8	8	8
Color - Spectrophotometric			299								1	299	299	299
Color - Visual Comparison	400	52	145			90		52			5	52	400	148
Cyanide - Amenable to Chlorination	50				678	9		2		67	5	2	678	161
Cyanide - Solid			2			77				51	3	2	77	43
Cyanide - Total	250		490	154		256	1,783	793		895	7	154	1,783	660
Cyanide - Weak Acid Dissociable (WAD)						236		1			2	1	236	119
Flash Point, Pensky-Martens Closed-cup	150		2					20			3	2	150	57
Floatables, Wastewater					140			28			2	28	140	84
Fluorescence, Percent, Selected Wavelength			4								1	4	4	4
Fluoride, Ion Selective Electrode			1,254				2,084	16		36	4	16	2,084	848
Foam Test				92							1	92	92	92
Hardness - Calcium, EDTA Titrimetric	400		33			156	146				4	33	400	184
Hardness - Magnesium, Gravimetric						156					1	156	156	156
Hardness - Total, EDTA Titration		94	2,730	210		156		10			5	10	2,730	640

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Hydrogen Sulfide by Spectroscopy			1			260					2	1	260	131
Lime Requirement				16							1	16	16	16
Moisture, %				107							1	107	107	107
Nitrogen - Nitrate, Colorimetric						215					1	215	215	215
Nitrogen - Nitrate, Electrode			6	85							2	6	85	46
Nitrogen - Nitrate, UV Spectrophotometric Screening							5,359				1	5,359	5,359	5,359
Nitrogen - Nitrate:Nitrite, Automated	950			1,037		4,631				2,210	4	950	4,631	2,207
Nitrogen - Nitrate:Nitrite, Cadmium Reduction				85		416	215	1,331			4	85	1,331	512
Nitrogen - Nitrate:Nitrite, Ion Chromatography	500		638					2,056		24	4	24	2,056	805
Nitrogen - Nitrate:Nitrite, Manual, Chromatographic Acid		146									1	146	146	146
Nitrogen - Nitrite, Colorimetric						208					1	208	208	208
Nitrogen - Nitrite, Spectrophotometric, Manual			358	888		416					3	358	888	554
Nitrogen - Nitrite, Spectrophotometric, Std. Add., Manual		141	286				1,359			5	4	5	1,359	448
Nitrogen - Organic, Calculation			40			200					2	40	200	120
Nitrogen - Organic, TKN-NH3	950	167	69	397		3,114	1,180	34		979	8	34	3,114	861
Nitrogen - Organic, TKN-NH3, Semi-Automatic					363	195				120	3	120	363	226
Nitrogen - Total, Dissolved										690	1	690	690	690
Nitrogen - Total, Particulate										577	1	577	577	577
Nitrogen - Total, liquids						2,887					1	2,887	2,887	2,887
Oil & Grease - Hydrocarbons, Silica Gel, liquid	1,200		119			429	1,706				4	119	1,706	864
Oil & Grease - Hydrocarbons, Silica Gel, solid			23			30					2	23	30	27
Oil & Grease - IR Spectrophotometric							48				1	48	48	48
Oil & Grease - Liquid/Liquid Extraction							1,479			7	2	7	1,479	743
Oil & Grease - Solid Phase Extraction										14	1	14	14	14
Oil & Grease - Total, Gravimetric, liquids	950	259	404			464		234		1,135	6	234	1,135	574
Oil & Grease - Total, Gravimetric, solids					1,378	63					2	63	1,378	721
Organic Carbon - Dissolved (DOC), Combustion IR						539					1	539	539	539
Organic Carbon - Dissolved (DOC), Persulfate-UV Oxidation			224								1	224	224	224
Organic Carbon - Total (TOC), Combustion IR, liquid						732	781	4,830		660	4	660	4,830	1,751
Organic Carbon - Total (TOC), Combustion IR, solids						198	53				2	53	198	126
Organic Carbon - Total (TOC), Persulfate-UV Oxidation			503								1	503	503	503
Organic Halide - Total (TOX)			29				178				2	29	178	104
Oxidation Reduction Potential (ORP)							540				1	540	540	540
Oxygen, Dissolved, Azide Modification						1,145	4,540				2	1,145	4,540	2,843
Oxygen, Dissolved, Electrode		1,066	365	273		1,248		364		1,039	6	273	1,248	726
Paint Filter Liquids Test (Free Moisture)			1	100							2	1	100	51
Particle Size Distribution			2				92				2	2	92	47
Particle Size Range Analysis				12							1	12	12	12
pH - Electrometric, Aqueous	2,000	1,826	4,819	8,132	6,817	9,613	30,348	2,631		8,326	9	1,826	30,348	8,279
pH - Electrometric, Non-liquid			106			99					2	99	106	103
Phenolics, Total, Spectrophotometric	75	15	11				118	41		461	6	11	461	120
Phosphorous - Bioavailable						248					1	248	248	248
Phosphorous - Citrate-Insoluble in Fertilizers, P <sub>2</sub> O <sub>5</sub>			15							90	2	15	90	53
Phosphorous - Dissolved, for Boiler							7,872				1	7,872	7,872	7,872
Phosphorous - Dissolved, Total										640	1	640	640	640
Phosphorous - Particulate										571	1	571	571	571
Phosphorous - Total/Ortho-, Ascorbic Acid Method	950	541	1,002	16		4,532				63	6	16	4,532	1,184
Phosphorous - Total/Ortho-, Automated, Ascorbic Acid	300			313		7,722				3,349	4	300	7,722	2,921
Phosphorous - Total/Ortho-, Ion Chromatography										288	1	288	288	288
Phosphorous - Total/Ortho-, Manual (Modified)						408					1	408	408	408
Phosphorous - Total/Ortho-, Vanadomolybdophos. Acid	1,100					106	1,901				3	106	1,901	1,036
Polymer, % Active			2								1	2	2	2
Polymer, Friction Reduction							750				1	750	750	750
Radicle Length, %				8			22				2	8	22	15
Radiological, Total Gross Alpha & Beta			4								1	4	4	4
Residue - Filterable Solids, Dried at 180°C (TDS)		12	492	886	140	11,556	124	383		76	8	12	11,556	1,709
Residue - Non-Filterable Solids Dried at 103-105°C (TSS)	1,500	2,898	6,518	4,773	12,937	8,723	1,084	20,507		8,306	9	1,084	20,507	7,472
Residue - Settleable Solids (SS)	250	1,533	409	635	2,236	959	31,603	1,810		3,154	9	250	31,603	4,732
Residue - Sludge Volume Index, 30 Minutes (SVI)		730		364		2,600	7,300				4	364	7,300	2,749

Analysis	A	B	C	D	E	F	G	H	I	J	BENCHMARKING STATISTICS			
	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	# of Tests per Year	Agency Count	Minimum # Tests	Maximum # Tests	Average # Tests
Residue - Total Solids Dried at 103-105°C (TS)	2,600	2,944	5,626	3,992	4,504	20,772		2,795		9,447	8	2,600	20,772	6,585
Residue - Volatile Filterable Solids, 550°C (VDS)	200			13		7,351	5,970				4	13	7,351	3,384
Residue - Volatile Non-Filterable Solids, 550°C (VSS)		501	2,446	2,275	9,576	6,311		1,820		3,460	7	501	9,576	3,770
Residue - Volatile Solids, Ignited at 500°C (VS)		300	2,148	2,597	3,640	15,444	3,887	2,159		7,667	8	300	15,444	4,730
Salinity, Electrical Conductivity		72				400	2,705			418	4	72	2,705	899
Silica, Heteropoly Blue, Spectrophotometric						330					1	330	330	330
Solid Profile						460					1	460	460	460
Specific Conductance, Conductivity Meter or TDS Calculation	100	170	1,927	2,263		1,456	730	392		118	8	100	2,263	895
Specific Gravity			2	39		52				12	4	2	52	26
Sulfate - Ion Chromatographic, liquids	600		656			22	7,967			741	5	22	7,967	1,997
Sulfate - Ion Chromatographic, solids						81					1	81	81	81
Sulfate - Turbidimetric				50		152	334				3	50	334	179
Sulfide - Dissolved, as S		437	341				2,479			310	4	310	2,479	892
Sulfide - Total, as S				229			790				2	229	790	510
Sulfide - Total, as S		365	395							1,220	3	365	1,220	660
Sulfide - Total, as S, Ion Selective Electrode						100					1	100	100	100
Sulfite, Titration (KIO <sub>3</sub> )			96							48	2	48	96	72
Sulfur, Total				171							1	171	171	171
Surface Tension				965							1	965	965	965
Surfactants, Colorimetric (MBAS)	20		50	112			300			637	5	20	637	224
Taste and Odor - Flavor Profile Analysis			851								1	851	851	851
Taste and Odor - Threshold Odor Number		245	5								2	5	245	125
TCLP Extraction - Metals, Semi-Vol, Pest., Herb., & TEPH			7				15				2	7	15	11
TCLP Extraction - Zero Headspace for Volatiles & TPPH/BTEX			4								1	4	4	4
Temperature		6,414		1,861		3,740		770		4,673	5	770	6,414	3,492
Thiocyanate, Spectrophotometric			18							8	2	8	18	13
Thiosulfate							104				1	104	104	104
Turbidity, Nephelometric	650	286	2,032	787	3,832	3,232	6035	1,111		38	9	38	6,035	2,000
UV Absorbance at 254 nm		117	483								2	117	483	300
Viscosity, Viscosimeter			26	1,167		64	192				4	26	1,167	362
Volatile Acids	1,040		635		1,867	3,419	2634	1,382		1,345	7	635	3,419	1,760
Waste Extraction Test (WET)			146				22				2	22	146	84
	45,585	25,338	58,651	45,837	61,899	168,237	159,763	61,932	0	92,612	58	0	168,237	71,985
	70,131	29,033	130,070	63,504	100,710	249,284	238,080	88,621	0	149,863	214	0	278,990	111,930