Table A-23. Inorganic and VOA Data for March 4-9, 1989 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride	0	0	0	0	0	0	0	0	0	0
Vinyl Acetate	0	0	0	0	0	0	0	0	0	0
Bromodichloromethane	0	0	0	0	0	0	0	0	0	0
1,2-Dichloropropane	0	0	0	0	0	0	0	0	0	0
Trans-1,3-Dichloropropene	0	0	0	0	0	0	0	0	0	0
Trichloroethene	0	0	0	0	0	0	0	0	0	0
Dibromochloromethane	0	0	0	0	0	0	0	0	0	0
1,1,2-Trichloroethane	0	0	0	0	0	0	0	0	0	0
Benzene	0	0	0	0	0	0	0	0	0	0
cis-1,3-Dichloropropene	0	0	0	0	0	0	0	0	0	0
Bromoform	0	0	0	0	0	0	0	0	0	0
4-Methyl-2-Pentanone	0	0	0	0	0	0	0	0	0	0
2-Hexanone	0	0	0	0	0	0	0	0	0	0
Tetrachloroethene	0	0	0	0	0	0	0	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0	0	0	0	0	0	0	0
Toluene	0	0	0	0	0	0	0	0	0	0
Chlorobenzene	0	0	0	0	0	0	0	0	0	0
Ethylbenzene	0	0	0	0	0	0	0	0	0	0
Styrene	0	0	0	0	0	0	0	0	0	0
Total Xylenes	0	0	0	0	0	0	0	0	0	0
COD	120	53	69	99	69	55	59	82	73	68
Nitrate	0	0	0	0	0	0	0	0	0	0
Nitrite	0	0	0	0	0	0	0	0	0	0
Bicarbonate	740	707	732	634	699	639	667	777	759	734
Carbonate	1	7	10	1	6	7	10	13	14	12
Fluoride	0.6	1.2	1.9	1.1	0.9	1.2	1.7	2.4	2.2	1.7
Chloride	20.0	4.6	5.8	17.0	4.9	4.0	4.0	5.9	7.3	8.3
Bromide	0	0	0	0	0	0	0	0	0	0
Thiocyanate	0	0	0	0	0	0	0	0	0	0
Arsenic	0	0	0	0	0	0	0	0	0	0
Lead	0	0	0	0	0	0	0	0	0	0

Table A-23. Inorganic and VOA Data for March 4-9, 1989 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Selenium	0	0	0	0	0	0	0	0	0	0
Mercury	0	0	0	0.27	0	0	0	0	0	0
Aluminum	0	0	0	0	0	0	230	0	0	0
Barium	66	70	24	47	101	46	137	50	41	19
Calcium	35.00	8.73	5.99	12.20	20.40	11.20	6.45	4.18	6.51	5.77
Cadmium	0	0	0	0	0	0	0	0	0	0
Chromium	0	0	0	0	0	0	0	14	0	0
Copper	16	0	0	16	0	0	0	0	0	0
Iron	209	77	24	91	88	27	67	56	80	81
Potassium	10.60	0	0	7.84	0	0	0	0	0	0
Lithium	143	60	49	90	88	66	50	32	52	50
Magnesium	26.50	4.65	3.25	7.33	19.00	8.43	3.37	1.81	3.38	3.51
Molybdenum	0	0	0	0	0	0	0	0	0	0
Manganese	10	0	0	6	5	0	0	0	0	3
Sodium	908	564	523	800	531	555	519	288	525	534
Nickel	0	0	0	0	0	0	0	0	0	0
Zinc	0	0	0	0	0	0	0	0	0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	6.4	3.5	3.1	4.6	4.2	3.5	3.4	2.9	3.3	3.2
Total Suspended Solids	0	0	0	0	0	0	2100	0	0	0

Table A-23. Inorganic and VOA Data for March 4-9, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	3/7/89	3/7/89	3/8/89		3/8/89	
Phenolics	0	0	0.030		0.035	
Cyanide	0	0	0		0	
Ammonia	3.6	9.4	5.2		5.4	
TOC	51	65	0		0	
TDS	2610	3640	2970		3170	
Sulfide	0	0	0		0	
Sulfate	1220	1990	1600		1980	
Boron	0	0	1.020		1.400	
Alkalinity (lab)	666	586	572		275	
Alkalinity (field)	686.7	614.5	634.5		325.3	
pH (lab)	8.1	7.8	7.2		7.5	
pH field)	7.86	7.55	7.81		7.70	
Eh (field)	56.7	22.2	-19.8		-41.0	
Conductivity (field)	3390	4390	3610		3780	
Temp. (field)	10.0	8.6	20.8		34.7	
Sample Discharge Rate	0.9	1.0	0.9		1.0	
Chloromethane	0	0	0		0	
Bromomethane	0	0	0		0	
Vinyl Chloride	0	0	0		0	
Chloroethane	0	0	0		0	
Methylene Chloride	0	0	0		0	
Acetone	0	0	0		0	
Carbon Disulfide	0	0	0		0	
1,1-Dichloroethene	0	0	0		0	
1,1-Dichloroethane	0	0	0		0	
Trans-1,2-Dichloroethene	0	0	0		0	
Chloroform	0	0	0		0	
1,2-Dichloroethane	0	0	0		0	
2-Butanone	0	0	0		0	
1,1,1-Trichloroethane	0	0	0		0	

Table A-23. Inorganic and VOA Data for March 4-9, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride	0	0	0		0	
Vinyl Acetate	0	0	0		0	
Bromodichloromethane	0	0	0		0	
1,2-Dichloropropane	0	0	0		0	
Trans-1,3-Dichloropropene	0	0	0		0	
Trichloroethene	0	0	0		0	
Dibromochloromethane	0	0	0		0	
1,1,2-Trichloroethane	0	0	0		0	
Benzene	0	0	20		7	
cis-1,3-Dichloropropene	0	0	0		0	
Bromoform	0	0	0		0	
4-Methyl-2-Pentanone	0	0	0		0	
2-Hexanone	0	0	0		0	
Tetrachloroethene	0	0	0		0	
1,1,2,2-Tetrachloroethane	0	0	0		0	
Toluene	0	0	0		0	
Chlorobenzene	0	0	0		0	
Ethylbenzene	0	0	0		0	
Styrene	0	0	0		0	
Total Xylenes	0	0	0		0	
COD	140	180	0		0	
Nitrate	0	0	0		0	
Nitrite	0	0	0		0	
Bicarbonate	659	582	571		274	
Carbonate	7	4	1		1	
Fluoride	0.9	0.4	2.9		6.5	
Chloride	15.0	30.0	29.0		24.0	
Bromide	0	0	0		0	
Thiocyanate	0	0	0		0	
Arsenic	0	0	18		52	
Lead	0	0	0		0	

Table A-23. Inorganic and VOA Data for March 4-9, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium	0	0	0		0	
Mercury	0	0	0		0	
Aluminum	0	0	0		0	
Barium	96	61	58		58	
Calcium	21.40	122.00	211.00		186.00	
Cadmium	0	0	0		0	
Chromium	0	0	0		0	
Copper	0	0	19		0	
Iron	34	305	1370		1230	
Potassium	0	14.50	79.70		90.20	
Lithium	104	211	622		433	
Magnesium	15.20	90.80	30.50		39.20	
Molybdenum	0	0	29		129	
Manganese	6	31	39		385	
Sodium	858	922	704		760	
Nickel	0	0	0		0	
Zinc	0	0	0		0	
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen	5.8	12.0	5.9		6.0	
Total Suspended Solids	0	0	0		130	

Table A-24. Inorganic and VOA Data for June 22-25, 1989.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	6/24/89	6/24/89	6/24/89	6/22/89		6/23/89	6/24/89	6/23/89	6/23/89	6/24/89
Phenolics	0	0.020	0	0		0	0	0	0	0
Cyanide	0	0	0	0		0	0	0	0	0
Ammonia	5.1	8.8	2.7	4.0		10.3	4.8	2.8	3.6	4.2
TOC	38	0	27	0		22	13	41	0	46
TDS	2580	1400	1600	1010		2110	1510	2130	550	2660
Sulfide	0	0	0	0		0	0	0	0	0
Sulfate	603	13	471	150		782	115	1080	88	886
Boron	0.037	0.069	0.035	0.080		0.071	0.081	0.036	0.051	0
Alkalinity (lab)	1300	1140	730	650		780	1070	560	400	1020
Alkalinity (field)	1461.8		831.3	734.9				602.4	421.7	1116.5
pH (lab)	7.6	10	7.5	7.5		9.4	8.9	7.5	7.0	7.6
pH field)	7.75		7.91	7.62			9.12	8.26	7.45	7.97
Eh (field)	-12.7		1.1	81.9			-9.8	60.5	109.9	7.9
Conductivity (field)	3360		2160	1440			2160	2820	870	3480
Temp. (field)	11.1		11.8	12.9			10.1	10.8	11.1	11.7
Sample Discharge Rate	1.1		0.8	0.8				1.0	0.3	1.1
Chloromethane	0		0					0		0
Bromomethane	0		0					0		0
Vinyl Chloride	0		0					0		0
Chloroethane	0		0					0		0
Methylene Chloride	6		6					5		6
Acetone	20		22					25		19
Carbon Disulfide	0		0					0		0
1,1-Dichloroethene	0		0					0		0
1,1-Dichloroethane	0		0					0		0
Trans-1,2-Dichloroethene	0		0					0		0
Chloroform	0		0					0		0
1,2-Dichloroethane	0		0					0		0
2-Butanone	0		0					0		0
1,1,1-Trichloroethane	0		0					0		0

Table A-24. Inorganic and VOA Data for June 22-25, 1989 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride	0		0					0		0
Vinyl Acetate	0		0					0		0
Bromodichloromethane	0		0					0		0
1,2-Dichloropropane	0		0					0		0
Trans-1,3-Dichloropropene	0		0					0		0
Trichloroethene	0		0					0		0
Dibromochloromethane	0		0					0		0
1,1,2-Trichloroethane	0		0					0		0
Benzene	43		40					0		0
cis-1,3-Dichloropropene	0		0					0		0
Bromoform	0		0					0		0
4-Methyl-2-Pentanone	0		0					0		0
2-Hexanone	0		0					0		0
Tetrachloroethene	0		0					0		0
1,1,2,2-Tetrachloroethane	0		0					0		0
Toluene	0		0					0		0
Chlorobenzene	0		0					0		0
Ethylbenzene	0		0					0		0
Styrene	0		0					0		0
Total Xylenes	0		0					0		0
COD										
Nitrate										
Nitrite										
Bicarbonate										
Carbonate										
Fluoride										
Chloride										
Bromide										
Thiocyanate										
Arsenic										
Lead										

Table A-24. Inorganic and VOA Data for June 22-25, 1989 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	6/24/89	6/24/89	6/23/89	6/23/89	6/23/89	6/22/89	6/22/89	6/23/89	6/22/89	6/22/89
Phenolics	0	0	0	0	0	0	0	0.023	0	0
Cyanide	0	0	0	0	0	0	0	0	0	0
Ammonia	4.4	2.5	2.2	3.4	3.3	2.7	2.4	2.1	2.2	2.4
TOC	39	22	27	50	23	15	46	30	22	26
TDS	2650	1610	1440	2420	1630	1600	1430	1390	1470	1500
Sulfide	0	0	0	0	1.3	0	0	1.8	0	0
Sulfate	1070	514	426	1090	557	522	415	330	368	394
Boron	0.037	0.033	0.038	0.040	0.025	0.028	0.051	0.040	0.047	0.042
Alkalinity (lab)	750	680	690	570	670	620	610	730	700	690
Alkalinity (field)	835.3	771.1	771.1	610.4	779.1	702.8	682.7	831.3	743.0	763.0
pH (lab)	7.6	7.6	7.7	7.5	7.5	7.5	7.6	7.9	7.7	7.7
pH field)	7.93	8.10	8.47	8.35	8.23	8.09	8.12	8.60	8.52	8.20
Eh (field)	-13.6	-2.5	43.9	27.7	-19.3	78.1	73.6	64.2	65.8	59.4
Conductivity (field)	3420	2190	1920	3150	2160	1860	1980	1860	1950	2040
Temp. (field)	11.2	10.8	11.8	10.1	9.9	10.9	13.3	11.6	10.2	9.7
Sample Discharge Rate	0.9	1.1	0.9	1.1	1.0	0.8	1.0	0.4	0.5	1.1
Chloromethane	0	0	0	0						
Bromomethane	0	0	0	0						
Vinyl Chloride	0	0	0	0						
Chloroethane	0	0	0	0						
Methylene Chloride	0	7	0	5						
Acetone	16	20	0	22						
Carbon Disulfide	0	0	0	0						
1,1-Dichloroethene	0	0	0	0						
1,1-Dichloroethane	0	0	0	0						
Trans-1,2-Dichloroethene	0	0	0	0						
Chloroform	0	0	0	0						
1,2-Dichloroethane	0	0	0	0						
2-Butanone	0	0	0	0						
1,1,1-Trichloroethane	0	0	0	0						

Table A-24. Inorganic and VOA Data for June 22-25, 1989 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride	0	0	0	0						
Vinyl Acetate	0	0	0	0						
Bromodichloromethane	0	0	0	0						
1,2-Dichloropropane	0	0	0	0						
Trans-1,3-Dichloropropene	0	0	0	0						
Trichloroethene	0	0	0	0						
Dibromochloromethane	0	0	0	0						
1,1,2-Trichloroethane	0	0	0	0						
Benzene	0	6	0	0						
cis-1,3-Dichloropropene	0	0	0	0						
Bromoform	0	0	0	0						
4-Methyl-2-Pentanone	0	0	0	0						
2-Hexanone	0	0	0	0						
Tetrachloroethene	0	0	0	0						
1,1,2,2-Tetrachloroethane	0	0	0	0						
Toluene	0	0	0	0						
Chlorobenzene	0	0	0	0						
Ethylbenzene	0	0	0	0						
Styrene	0	0	0	0						
Total Xylenes	0	0	0	0						
COD										
Nitrate										
Nitrite										
Bicarbonate										
Carbonate										
Fluoride										
Chloride										
Bromide										
Thiocyanate										
Arsenic										
Lead										

Table A-24. Inorganic and VOA Data for June 22-25, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	6/25/89	6/25/89	6/25/89		6/25/89	
Phenolics	0	0	0		0	
Cyanide	0	0	0		0	
Ammonia	3.8	8.4	5.9		5.0	
TOC	42	55	0		0	
TDS	2530	3250	3520		3210	
Sulfide	0	0	0		0	
Sulfate	1100	1600	1830		1740	
Boron	0.033	0.030	1.480		1.220	
Alkalinity (lab)	640	580	430		240	
Alkalinity (field)	702.8	622.5	473.9		277.1	
pH (lab)	7.6	7.5	7.6		7.9	
pH field)	8.06	7.81	7.69		7.76	
Eh (field)	43.8	-14.2	-37.6		-35.3	
Conductivity (field)	2910	3390	3900		3480	
Temp. (field)	12.5	13.6	20.4		24.2	
Sample Discharge Rate	1.0	0.9	0.9		1.0	
Chloromethane			0		0	
Bromomethane			0		0	
Vinyl Chloride			0		0	
Chloroethane			0		0	
Methylene Chloride			0		0	
Acetone			0		0	
Carbon Disulfide			0		0	
1,1-Dichloroethene			0		0	
1,1-Dichloroethane			0		0	
Trans-1,2-Dichloroethene			0		0	
Chloroform			0		0	
1,2-Dichloroethane			0		0	
2-Butanone			0		0	
1,1,1-Trichloroethane			0		0	

Table A-24. Inorganic and VOA Data for June 22-25, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride			0		0	
Vinyl Acetate			0		0	
Bromodichloromethane			0		0	
1,2-Dichloropropane			0		0	
Trans-1,3-Dichloropropene			0		0	
Trichloroethene			0		0	
Dibromochloromethane			0		0	
1,1,2-Trichloroethane			0		0	
Benzene			31		0	
cis-1,3-Dichloropropene			0		0	
Bromoform			0		0	
4-Methyl-2-Pentanone			0		0	
2-Hexanone			0		0	
Tetrachloroethene			0		0	
1,1,2,2-Tetrachloroethane			0		0	
Toluene			0		0	
Chlorobenzene			0		0	
Ethylbenzene			0		0	
Styrene			0		0	
Total Xylenes			0		0	
COD						
Nitrate						
Nitrite						
Bicarbonate						
Carbonate						
Fluoride						
Chloride						
Bromide						
Thiocyanate						
Arsenic						
Lead						

Table A-25. Inorganic and VOA Data for Sept. 14-19, 1989.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	9/18/89	9/18/89	9/17/89	9/17/89			9/16/89	9/16/89	9/16/89	9/18/89
Phenolics	0	0.035	0	0			0	0	0	0
Cyanide										
Ammonia	4.4	9.7	2.7	4.0			4.2	3.1	3.9	3.9
TOC	49	25	35	17			22	37	0	49
TDS	2640	1410	1580	980			1480	1900	530	2220
Sulfide	0	0	0	0			0	0	0	0
Sulfate	1350	15	530	140			120	740	77	940
Boron	0.032	0.065	0.039	0.066			0.062	0	0.042	0.028
Alkalinity (lab)	595	1260	700	690			1250	630	440	730
Alkalinity (field)	626.5	1192.8	710.8	678.7			1056.2	638.5	481.9	718.9
pH (lab)	7.8	9.8	7.7	7.5			8.8	7.8	7.2	7.7
pH field)	7.89	9.40	7.77	7.55			8.63	8.30	7.00	7.90
Eh (field)	41.6	-35.4	88.1	88.5			21.7	139.0	114.7	77.5
Conductivity (field)	3140	2030	1920	1270			1780	2320	750	2670
Temp. (field)	10.2	10.2	12.7	9.3			11.3	11.4	12.7	10.4
Sample Discharge Rate	0.5		0.3	0.6				0.6	0.3	0.5
Chloromethane	0		0					0		0
Bromomethane	0		0					0		0
Vinyl Chloride	0		0					0		0
Chloroethane	0		0					0		0
Methylene Chloride	0		0					0		0
Acetone	0		0					0		0
Carbon Disulfide	0		0					0		0
1,1-Dichloroethene	0		0					0		0
1,1-Dichloroethane	0		0					0		0
Trans-1,2-Dichloroethene	0		0					0		0
Chloroform	0		0					0		0
1,2-Dichloroethane	0		0					0		0
2-Butanone	0		0					0		0
1,1,1-Trichloroethane	0		0					0		0

Table A-25. Inorganic and VOA Data for Sept. 14-19, 1989 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride	0		0					0		0
Vinyl Acetate	0		0					0		0
Bromodichloromethane	0		0					0		0
1,2-Dichloropropane	0		0					0		0
Trans-1,3-Dichloropropene	0		0					0		0
Trichloroethene	0		0					0		0
Dibromochloromethane	0		0					0		0
1,1,2-Trichloroethane	0		0					0		0
Benzene	0		0					0		0
cis-1,3-Dichloropropene	0		0					0		0
Bromoform	0		0					0		0
4-Methyl-2-Pentanone	0		0					0		0
2-Hexanone	0		0					0		0
Tetrachloroethene	0		0					0		0
1,1,2,2-Tetrachloroethane	0		0					0		0
Toluene	0		0					0		0
Chlorobenzene	0		0					0		0
Ethylbenzene	0		0					0		0
Styrene	0		0					0		0
Total Xylenes	0		0					0		0
COD										
Nitrate	0	0.07	0	0			0.11	0	0	0
Nitrite	0	0	0	0			0.11	0	0	0
Bicarbonate	590	720	700	680			1180	630	440	720
Carbonate										
Fluoride	1.5	1.4	1.2	0			1.7	1.5	0	1.5
Chloride										
Bromide										
Thiocyanate										
Arsenic	0	0	0	0			0	0	0	0
Lead										

Table A-25. Inorganic and VOA Data for Sept. 14-19, 1989 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Selenium										
Mercury										
Aluminum										
Barium										
Calcium										
Cadmium										
Chromium										
Copper										
Iron										
Potassium										
Lithium										
Magnesium										
Molybdenum										
Manganese	6	3	0	14			0	4	55	6
Sodium	860	544	555	357			561	630	113	732
Nickel										
Zinc										
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	6.1	9.7	3.0	4.4			4.8	4.1	4.1	5.2
Total Suspended Solids										

Table A-25. Inorganic and VOA Data for Sept. 14-19, 1989 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	9/17/89	9/17/89	9/16/89	9/16/89	9/15/89	9/15/89	9/15/89	9/16/89	9/14/89	9/14/89
Phenolics	0	0	0	0	0.020	0	0	0	0	0.034
Cyanide										
Ammonia	6.1	2.7	2.6	3.9	2.8	2.8	2.3	2.4	2.3	2.5
TOC	71	33	38	40	33	24	43	31	34	32
TDS	3570	1590	1510	2270	1470	1600	1440	1420	1320	1470
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	1940	590	460	1130	350	530	430	280	200	370
Boron	0.024	0.044	0.036	0.034	0.030	0	0.028	0.030	0.025	0.029
Alkalinity (lab)	580	650	700	600	840	710	660	830	880	770
Alkalinity (field)	566.3	654.6	714.9	610.4	803.2	702.8	662.6	819.3		
pH (lab)	7.6	7.9	7.9	7.9	7.8	7.8	8.0	8.1	8.0	7.9
pH field)	8.05	7.98	7.87	7.95	7.97	8.11	8.29	8.48	8.08	8.12
Eh (field)	44.7	26.9	91.8	61.8	42.2	82.2	54.2	101.2	65.8	75.9
Conductivity (field)	3860	1970	1880	2710	1850	1855	1650	1600	1630	1760
Temp. (field)	10.4	16.5	13.1	11.6	11.3	11.1	11.1	12.5	11.4	10.7
Sample Discharge Rate	0.4	0.4	0.4	0.4	0.4	0.6	0.5	0.3	0.2	0.7
Chloromethane	0	0	0	0						
Bromomethane	0	0	0	0						
Vinyl Chloride	0	0	0	0						
Chloroethane	0	0	0	0						
Methylene Chloride	0	0	0	0						
Acetone	0	0	0	0						
Carbon Disulfide	0	0	0	0						
1,1-Dichloroethene	0	0	0	0						
1,1-Dichloroethane	0	0	0	0						
Trans-1,2-Dichloroethene	0	0	0	0						
Chloroform	0	0	0	0						
1,2-Dichloroethane	0	0	0	0						
2-Butanone	0	0	0	0						
1,1,1-Trichloroethane	0	0	0	0						

Table A-25. Inorganic and VOA Data for Sept. 14-19, 1989 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride	0	0	0	0						
Vinyl Acetate	0	0	0	0						
Bromodichloromethane	0	0	0	0						
1,2-Dichloropropane	0	0	0	0						
Trans-1,3-Dichloropropene	0	0	0	0						
Trichloroethene	0	0	0	0						
Dibromochloromethane	0	0	0	0						
1,1,2-Trichloroethane	0	0	0	0						
Benzene	0	0	0	0						
cis-1,3-Dichloropropene	0	0	0	0						
Bromoform	0	0	0	0						
4-Methyl-2-Pentanone	0	0	0	0						
2-Hexanone	0	0	0	0						
Tetrachloroethene	0	0	0	0						
1,1,2,2-Tetrachloroethane	0	0	0	0						
Toluene	0	0	0	0						
Chlorobenzene	0	0	0	0						
Ethylbenzene	0	0	0	0						
Styrene	0	0	0	0						
Total Xylenes	0	0	0	0						
COD										
Nitrate	0	0	0	0	0	0	0	0	0	0
Nitrite	0	0	0	0	0	0	0	0	0	0
Bicarbonate	570	650	700	590	840	700	660	820	870	760
Carbonate										
Fluoride	0	1.3	1.8	1.4	1.3	1.8	1.8	2.0	2.0	1.8
Chloride										
Bromide										
Thiocyanate										
Arsenic	0	0	0	0	0	0	0	0	0	0
Lead										

Table A-25. Inorganic and VOA Data for Sept. 14-19, 1989 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Selenium										
Mercury										
Aluminum										
Barium										
Calcium										
Cadmium										
Chromium										
Copper										
Iron										
Potassium										
Lithium										
Magnesium										
Molybdenum										
Manganese	13	0	0	5	0	0	4	4	8	0
Sodium	1020	556	552	757	524	570	511	506	489	526
Nickel										
Zinc										
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	8.2	3.4	3.6	4.8	3.7	3.1	2.7	3.3	3.2	3.5
Total Suspended Solids										

Table A-25. Inorganic and VOA Data for Sept. 14-19, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	9/17/89	9/17/89	9/19/89		9/19/89	
Phenolics	0	0	0		0	
Cyanide			0		0	
Ammonia	2.1	8.9	2.8		3.7	
TOC	62	76	24		20	
TDS	1870	3530	1670		2250	
Sulfide	0	0	0		0	
Sulfate	630	1810	580		1080	
Boron	0	0.021	0.130		0.708	
Alkalinity (lab)	790	650	720		475	
Alkalinity (field)	763.0	654.6	686.7		473.9	
pH (lab)	8.2	7.9	7.7		7.7	
pH field)	7.79	7.55	7.76		7.52	
Eh (field)	102.2	38.8	8.8		-4.2	
Conductivity (field)	2220	3640	2090		2810	
Temp. (field)	11.4	12.4	17.5		38.1	
Sample Discharge Rate	0.6	0.4	0.8		1.0	
Chloromethane			0		0	
Bromomethane			0		0	
Vinyl Chloride			0		0	
Chloroethane			0		0	
Methylene Chloride			0		0	
Acetone			0		0	
Carbon Disulfide			0		0	
1,1-Dichloroethene			0		0	
1,1-Dichloroethane			0		0	
Trans-1,2-Dichloroethene			0		0	
Chloroform			0		0	
1,2-Dichloroethane			0		0	
2-Butanone			0		0	
1,1,1-Trichloroethane			0		0	

Table A-25. Inorganic and VOA Data for Sept. 14-19, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride			0		0	
Vinyl Acetate			0		0	
Bromodichloromethane			0		0	
1,2-Dichloropropane			0		0	
Trans-1,3-Dichloropropene			0		0	
Trichloroethene			0		0	
Dibromochloromethane			0		0	
1,1,2-Trichloroethane			0		0	
Benzene			31		23	
cis-1,3-Dichloropropene			0		0	
Bromoform			0		0	
4-Methyl-2-Pentanone			0		0	
2-Hexanone			0		0	
Tetrachloroethene			0		0	
1,1,2,2-Tetrachloroethane			0		0	
Toluene			0		0	
Chlorobenzene			0		0	
Ethylbenzene			0		0	
Styrene			0		0	
Total Xylenes			0		0	
COD			58		0	
Nitrate	0	0	0		0	
Nitrite	0	0	0		0	
Bicarbonate	780	640	710		470	
Carbonate			10		5	
Fluoride	1.4	0	2.1		3.9	
Chloride			8.6		19.0	
Bromide			0		0	
Thiocyanate			0		0	
Arsenic	0	0	11		24	
Lead			0		0	

Table A-25. Inorganic and VOA Data for Sept. 14-19, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium			0		0	
Mercury			0		0	
Aluminum			45		0	
Barium			15		26	
Calcium			28.00		70.10	
Cadmium			0		0	
Chromium			0		0	
Copper			0		0	
Iron			826		123	
Potassium			17.30		49.70	
Lithium			125		290	
Magnesium			6.09		16.40	
Molybdenum			0		44	
Manganese	0	29	76		257	
Sodium	627	880	553		610	
Nickel			0		0	
Zinc			0		0	
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen	4.2	11.0	3.4		5.0	
Total Suspended Solids			0		17	

Table A-26. Inorganic and VOA Data for Dec. 2-7, 1989.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	12/6/89	12/7/89	12/6/89	12/3/89			12/5/89	12/5/89	12/5/89	12/6/89
Phenolics	0	0.026	0	0			0	0	0	0
Cyanide	0	0	0	0			0	0	0	0
Ammonia	4.0	9.6	2.9	4.1			3.4	3.6	3.9	4.4
TOC	29	19	28	0			19	44	0	47
TDS	2120	1450	1690	1060			1450	2200	570	2640
Sulfide	0	0	0	0			0	0	0	0
Sulfate	670	13	570	160			110	1080	80	980
Boron	0	0.057	0	0.068			0.107	0.035	0.045	0
Alkalinity (lab)	970	1250	710	700			1083	610	460	947
Alkalinity (field)	927.7		690.8	698.8				570.3	425.7	919.7
pH (lab)	7.9	10.0	7.8	7.5			8.7	7.9	7.2	8.0
pH field)	8.30		8.02	7.97			8.84	8.30	7.18	7.97
Eh (field)	61.9		76.1	106.5			89.1	119.4	139.9	97.7
Conductivity (field)	2480		2050	1280			1830	2755	720	3100
Temp. (field)	8.7		8.9	6.8			8.4	8.7	7.4	8.6
Sample Discharge Rate	0.9		0.7	0.3				0.9	0.3	0.9
Chloromethane	0	0	0	0			0	0	0	0
Bromomethane	0	0	0	0			0	0	0	0
Vinyl Chloride	0	0	0	0			0	0	0	0
Chloroethane	0	0	0	0			0	0	0	0
Methylene Chloride	0	0	0	0			0	0	0	0
Acetone	0	140	0	0			0	0	0	0
Carbon Disulfide	0	0	0	0			0	0	0	0
1,1-Dichloroethene	0	0	0	0			0	0	0	0
1,1-Dichloroethane	0	0	0	0			0	0	0	0
Trans-1,2-Dichloroethene	0	0	0	0			0	0	0	0
Chloroform	0	0	0	0			0	0	0	0
1,2-Dichloroethane	0	0	0	0			0	0	0	0
2-Butanone	0	0	0	0			0	0	0	0
1,1,1-Trichloroethane	0	0	0	0			0	0	0	0

Table A-26. Inorganic and VOA Data for Dec. 2-7, 1989 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride	0	0	0	0			0	0	0	0
Vinyl Acetate	0	0	0	0			0	0	0	0
Bromodichloromethane	0	0	0	0			0	0	0	0
1,2-Dichloropropane	0	0	0	0			0	0	0	0
Trans-1,3-Dichloropropene	0	0	0	0			0	0	0	0
Trichloroethene	0	0	0	0			0	0	0	0
Dibromochloromethane	0	0	0	0			0	0	0	0
1,1,2-Trichloroethane	0	0	0	0			0	0	0	0
Benzene	0	0	0	0			0	0	0	0
cis-1,3-Dichloropropene	0	0	0	0			0	0	0	0
Bromoform	0	0	0	0			0	0	0	0
4-Methyl-2-Pentanone	0	0	0	0			0	0	0	0
2-Hexanone	0	0	0	0			0	0	0	0
Tetrachloroethene	0	0	0	0			0	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0	0			0	0	0	0
Toluene	0	0	0	0			0	0	0	0
Chlorobenzene	0	0	0	0			0	0	0	0
Ethylbenzene	0	0	0	0			0	0	0	0
Styrene	0	0	0	0			0	0	0	0
Total Xylenes	0	0	0	0			0	0	0	0
COD	74	0	71	0			38	121	0	120
Nitrate	0	0	0	0			0	0	0	0
Nitrite	0	0	0	0			0	0	0	0
Bicarbonate	970	1140	710	700			1078	610	460	946
Carbonate	0	100	0	0			5	0	0	1.0
Fluoride	1.2	1.3	1.1	0			1.5	1.3	0	1.2
Chloride	12.0	49.0	5.0	6.9			13.0	14.0	2.7	24.0
Bromide	0	0	0	0			0	0	0	0
Thiocyanate	0	0	0	0			0	0	0	0
Arsenic	0	0	0	0			0	0	0	0
Lead	0	0	0	0			0	0	0	0

Table A-26. Inorganic and VOA Data for Dec. 2-7, 1989 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Selenium	0	0	0	0			0	0	0	0
Mercury	0	0	0	0			0	0	0	0
Aluminum	0	1290	0	0			161	0	0	0
Barium	74	116	15	40			195	51	66	63
Calcium	19.40	7.79	8.99	15.60			6.41	12.30	60.20	30.00
Cadmium	0	0	0	0			0	0	0	0
Chromium	0	0	0	0			0	0	0	0
Copper	0	0	0	0			0	0	0	0
Iron	128	697	91	889			230	10	622	111
Potassium	6.06	29.1	0	5.79			10.9	0	0	7.37
Lithium	100	150	75	103			97	78	46	122
Magnesium	9.25	1.85	5.21	6.78			4.3	6.47	29.2	23.2
Molybdenum	0	0	0	0			0	0	0	0
Manganese	7	0	0	11			0	0	45	99
Sodium	774	544	554	355			540	780	107	891
Nickel	0	0	0	0			0	0	0	0
Zinc	0	24	0	0			37	0	0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	5	11	3.4	3.9			3.7	4.6	3.8	5.5
Total Suspended Solids	0	11	0	0			10	0	0	0

Table A-26. Inorganic and VOA Data for Dec. 2-7, 1989 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	12/6/89	12/6/89	12/5/89	12/5/89	12/3/89	12/2/89	12/3/89	12/5/89	12/4/89	12/4/89
Phenolics	0	0	0	0	0	0	0	0	0	0
Cyanide	0	0	0	0	0	0	0	0	0	0
Ammonia	4.8	2.7	2.6	3.7	3.6	2.8	2.5	2.3	2.5	2.6
TOC	46	24	31	46	26	23	25	35	26	27
TDS	2740	1650	1540	2280	1700	1660	1460	1420	1440	1510
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	1170	580	450	1010	560	650	440	320	340	410
Boron	0	0	0	0	0	0.023	0	0	0.032	0
Alkalinity (lab)	780	690	720	630	650	630	670	805	787	770
Alkalinity (field)	710.8	650.6	708.8	618.5	650.6	618.5	662.6	759.0	614.4	730.9
pH (lab)	8.0	8.0	8.0	7.9	7.8	7.8	8.1	8.1	8.2	8.0
pH field)	8.01	8.14	8.26	8.25	8.06	8.20		8.41	8.46	8.34
Eh (field)	82.8	63.6	105.6	94.0	16.3	115.0	68.1	86.5	64.8	73.4
Conductivity (field)	3310	2030	1900	2720	2020	2320	1790	1760	1800	1880
Temp. (field)	8.2	11.4	9.7	8.7	8.3	8.6	9.0	7.7	8.4	9.0
Sample Discharge Rate	0.8	0.8	0.9	0.9	1.0	1.0	1.1	0.3	0.3	0.9
Chloromethane	0	0	0	0	0	0	0	0	0	0
Bromomethane	0	0	0	0	0	0	0	0	0	0
Vinyl Chloride	0	0	0	0	0	0	0	0	0	0
Chloroethane	0	0	0	0	0	0	0	0	0	0
Methylene Chloride	0	0	0	0	0	0	0	0	0	0
Acetone	0	0	0	0	0	0	0	0	0	0
Carbon Disulfide	0	0	0	0	0	0	0	0	0	0
1,1-Dichloroethene	0	0	0	0	0	0	0	0	0	0
1,1-Dichloroethane	0	0	0	0	0	0	0	0	0	0
Trans-1,2-Dichloroethene	0	0	0	0	0	0	0	0	0	0
Chloroform	0	0	0	0	0	0	0	0	0	0
1,2-Dichloroethane	0	0	0	0	0	0	0	0	0	0
2-Butanone	0	0	0	0	0	0	0	0	0	0
1,1,1-Trichloroethane	0	0	0	0	0	0	0	0	0	0

Table A-26. Inorganic and VOA Data for Dec. 2-7, 1989 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride	0	0	0	0	0	0	0	0	0	0
Vinyl Acetate	0	0	0	0	0	0	0	0	0	0
Bromodichloromethane	0	0	0	0	0	0	0	0	0	0
1,2-Dichloropropane	0	0	0	0	0	0	0	0	0	0
Trans-1,3-Dichloropropene	0	0	0	0	0	0	0	0	0	0
Trichloroethene	0	0	0	0	0	0	0	0	0	0
Dibromochloromethane	0	0	0	0	0	0	0	0	0	0
1,1,2-Trichloroethane	0	0	0	0	0	0	0	0	0	0
Benzene	0	0	0	0	0	0	0	0	0	0
cis-1,3-Dichloropropene	0	0	0	0	0	0	0	0	0	0
Bromoform	0	0	0	0	0	0	0	0	0	0
4-Methyl-2-Pentanone	0	0	0	0	0	0	0	0	0	0
2-Hexanone	0	0	0	0	0	0	0	0	0	0
Tetrachloroethene	0	0	0	0	0	0	0	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0	0	0	0	0	0	0	0
Toluene	0	0	0	0	0	0	0	0	0	0
Chlorobenzene	0	0	0	0	0	0	0	0	0	0
Ethylbenzene	0	0	0	0	0	0	0	0	0	0
Styrene	0	0	0	0	0	0	0	0	0	0
Total Xylenes	0	0	0	0	0	0	0	0	0	0
COD	133	52	83	124	63	0	78	83	70	68
Nitrate	0	0	0	0	0	0	0	0	0	0
Nitrite	0	0	0	0	0	0	0	0	0	0
Bicarbonate	780	690	720	630	650	630	666	804	786	770
Carbonate	0	0	0	0	0	0	4	1	1.1	0
Fluoride	0	1.2	1.7	1.1	1	1.3	0.7	2.1	1.9	1.5
Chloride	19.0	4.9	5.4	16.0	5.1	4.5	4.2	5.8	7.0	9.3
Bromide	0	0	0	0	0	0	0	0	0	0
Thiocyanate	0	0	0	0	0	0	0	0	0	0
Arsenic	0	0	0	0	0	0	0	0	0	0
Lead	0	0	0	0	0	0	0	0	0	0

Table A-26. Inorganic and VOA Data for Dec. 2-7, 1989 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Selenium	0	0	0	0	0	0	0	0	0	0
Mercury	0	0	0	0	0	0	0	0	0	0
Aluminum	0	0	0	0	0	0	95	0	0	0
Barium	61	86	28	44	91	48	130	99	45	19
Calcium	33.30	8.77	6.33	12.00	20.60	10.90	6.29	7.58	12.00	6.01
Cadmium	0	0	0	0	0	0	0	0	0	0
Chromium	0	0	0	0	0	0	0	0	0	0
Copper	0	0	0	0	0	0	0	0	0	0
Iron	163	0	11	71	57	43	84	89	71	67
Potassium	8.31	5.12	0	6.08	5.15	0	0	0	0	0
Lithium	140	67	58	85	91	68	55	56	59	58
Magnesium	25.5	4.5	3.36	7.06	18.7	7.72	3.11	3.14	3.48	3.46
Molybdenum	0	0	0	0	0	0	0	0	0	0
Manganese	7	0	0	4	0	0	0	0	0	0
Sodium	891	551	532	800	531	555	510	492	507	530
Nickel	0	0	0	0	0	0	0	0	0	0
Zinc	0	0	0	0	0	0	0	0	0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	6.2	3.2	3.9	4.8	3.2	2.7	2.9	3.1	2.9	3.1
Total Suspended Solids	0	0	0	0	0	0	400	0	0	0

Table A-26. Inorganic and VOA Data for Dec. 2-7, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	12/4/89	12/3/89	12/7/89		12/7/89	
Phenolics	0	0	0		0	
Cyanide	0	0	0		0	
Ammonia	4.1	9.1	3.8		5.3	
TOC	48	60	18		11	
TDS	2550	3470	2560		2360	
Sulfide	1.0	0	0		0	
Sulfate	280	1830	24		1230	
Boron	0.034	0	0.379		0.857	
Alkalinity (lab)	1080	620	650		390	
Alkalinity (field)		598.4	634.5		329.3	
pH (lab)	7.9	7.7	7.9		7.9	
pH field)	8.62	8.37	7.88		8.10	
Eh (field)	107.6	77.4	52.1		48.6	
Conductivity (field)	3015	3860	2770		2770	
Temp. (field)	9.6	8.0	15.9		26.0	
Sample Discharge Rate	0.6	0.6	1.0		0.9	
Chloromethane	0	0	0		0	
Bromomethane	0	0	0		0	
Vinyl Chloride	0	0	0		0	
Chloroethane	0	0	0		0	
Methylene Chloride	0	0	0		0	
Acetone	0	0	0		0	
Carbon Disulfide	0	0	0		0	
1,1-Dichloroethene	0	0	0		0	
1,1-Dichloroethane	0	0	0		0	
Trans-1,2-Dichloroethene	0	0	0		0	
Chloroform	0	0	0		0	
1,2-Dichloroethane	0	0	0		0	
2-Butanone	0	0	0		0	
1,1,1-Trichloroethane	0	0	0		0	

Table A-26. Inorganic and VOA Data for Dec. 2-7, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride	0	0	0		0	
Vinyl Acetate	0	0	0		0	
Bromodichloromethane	0	0	0		0	
1,2-Dichloropropane	0	0	0		0	
Trans-1,3-Dichloropropene	0	0	0		0	
Trichloroethene	0	0	0		0	
Dibromochloromethane	0	0	0		0	
1,1,2-Trichloroethane	0	0	0		0	
Benzene	0	0	0		12	
cis-1,3-Dichloropropene	0	0	0		0	
Bromoform	0	0	0		0	
4-Methyl-2-Pentanone	0	0	0		0	
2-Hexanone	0	0	0		0	
Tetrachloroethene	0	0	0		0	
1,1,2,2-Tetrachloroethane	0	0	0		0	
Toluene	0	0	0		0	
Chlorobenzene	0	0	0		0	
Ethylbenzene	0	0	0		0	
Styrene	0	0	0		0	
Total Xylenes	0	0	0		0	
COD	132	170	55		0	
Nitrate	0	0	0		0	
Nitrite	0	0	0		0	
Bicarbonate	1080	620	650		390	
Carbonate	0	0	0		0	
Fluoride	1.4	0.6	95		5	
Chloride	17.0	29.0	15.0		27.0	
Bromide	0	0	0		0	
Thiocyanate	0	0	0		0	
Arsenic	0	0	0		0	
Lead	0	0	0		0	

Table A-26. Inorganic and VOA Data for Dec. 2-7, 1989 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium	0	0	0		0	
Mercury	0	0	0		0	
Aluminum	89	0	0		0	
Barium	96	57	40		24	
Calcium	16.30	114.00	152.00		70.10	
Cadmium	0	0	0		0	
Chromium	0	0	0		0	
Copper	0	0	0		0	
Iron	395	328	1210		178	
Potassium	5.94	15.1	39.2		51.9	
Lithium	82	201	325		308	
Magnesium	10.5	83.2	18.9		17.7	
Molybdenum	0	0	0		0	
Manganese	8	12	221		138	
Sodium	726	841	601		630	
Nickel	0	0	0		0	
Zinc	9	0	0		0	
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen	4.9	8.1	4.3		5.5	
Total Suspended Solids	0	0	0		11	

Table A-27. Inorganic and VOA Data for March 14-29, 1990.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	3/21/90	3/25/90	3/24/90	3/23/90			3/25/90	3/24/90	3/24/90	3/14/90
Phenolics	0	0.025	0	0			0	0	0	0
Cyanide	0	0	0	0			0	0	0	0
Ammonia	4.5	8.1	2.6	4.0			3.2	3.2	3.5	3.9
TOC	30	0	23	0			12	44	0	29
TDS	2400	1440	1630	996			1390	2340		2420
Sulfide	0	0	0	0			0	0	0	0
Sulfate	600	13	620	160			97	1130	82	720
Boron	0	0.060	0	0.066			0.056	0	0.030	0
Alkalinity (lab)	1290	1220	755	704			1060	556	434	1100
Alkalinity (field)	1132.5		823.3	694.8				566.3	485.9	1156.6
pH (lab)	7.7	9.7	7.6	7.5			8.6	7.6	7.3	7.8
pH field)	7.59		8.03	7.71				8.37	7.42	8.05
Eh (field)	70.0		69.8	70.2				132.6	133.7	104.9
Conductivity (field)	2950		2090	1330				2890	770	3010
Temp. (field)	9.2		9.1	7.8				8.0	5.2	8.7
Sample Discharge Rate	0.9		1.0	0.7				0.9	0.4	1.0
Chloromethane	0		0					0		0
Bromomethane	0		0					0		0
Vinyl Chloride	0		0					0		0
Chloroethane	0		0					0		0
Methylene Chloride	0		0					0		0
Acetone	0		0					0		0
Carbon Disulfide	0		0					0		0
1,1-Dichloroethene	0		0					0		0
1,1-Dichloroethane	0		0					0		0
Trans-1,2-Dichloroethene	0		0					0		0
Chloroform	0		0					0		0
1,2-Dichloroethane	0		0					0		0
2-Butanone	0		0					0		0
1,1,1-Trichloroethane	0		0					0		0

Table A-27. Inorganic and VOA Data for March 14-29, 1990 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride	0		0					0		0
Vinyl Acetate	0		0					0		0
Bromodichloromethane	0		0					0		0
1,2-Dichloropropane	0		0					0		0
Trans-1,3-Dichloropropene	0		0					0		0
Trichloroethene	0		0					0		0
Dibromochloromethane	0		0					0		0
1,1,2-Trichloroethane	0		0					0		0
Benzene	28		0					0		0
cis-1,3-Dichloropropene	0		0					0		0
Bromoform	0		0					0		0
4-Methyl-2-Pentanone	0		0					0		0
2-Hexanone	0		0					0		0
Tetrachloroethene	0		0					0		0
1,1,2,2-Tetrachloroethane	0		0					0		0
Toluene	0		0					0		0
Chlorobenzene	0		0					0		0
Ethylbenzene	0		0					0		0
Styrene	0		0					0		0
Total Xylenes	0		0					0		0
COD										
Nitrate										
Nitrite										
Bicarbonate										
Carbonate										
Fluoride										
Chloride										
Bromide										
Thiocyanate										
Arsenic										
Lead										

Table A-27. Inorganic and VOA Data for March 14-29, 1990 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	3/24/90	3/22/90	3/23/90	3/24/90	3/22/90	3/22/90	3/23/90	3/23/90	3/23/90	3/22/90
Phenolics	0	0	0	0	0	0	0	0	0	0
Cyanide	0	0	0	0	0	0	0	0	0	0
Ammonia	4.0	2.6	2.4	3.5	3.1	2.8	2.2	2.2	2.2	2.4
TOC	42	16	26	41	22	23	21	26	19	23
TDS	2550	1620	1470	2400	1650	1620	1450	1370	1430	1520
Sulfide	0	0	0	0	2.7	0	0	9.4	0	1.3
Sulfate	1210	570	410	1070	530	560	460	310	360	440
Boron	0	0	0	0	0	0	0	0	0	0
Alkalinity (lab)	774	690	744	600	705	681	636	784	767	744
Alkalinity (field)	767.1	678.7	718.7	590.4	678.7	498.0	686.7	650.6	751.0	791.2
pH (lab)	7.8	7.8	7.9	7.7	7.8	7.8	7.8	7.8	7.9	8.1
pH field)	8.15	8.15	8.45	8.28	8.29	8.35	8.33	8.67	8.37	8.47
Eh (field)	81.8	52.3	85.9	113.1	25.2	108.0	76.2	116.4	72.9	51.5
Conductivity (field)	3170	2070	1210	2970	1880	2120	1740	1560	1590	1980
Temp. (field)	8.0	11.8	9.7	8.2	9.0	9.1	8.3	7.0	6.7	8.6
Sample Discharge Rate	0.9	0.9	1.2	1.0	0.8	0.9	1.0	0.7	0.3	1.0
Chloromethane	0	0	0	0						
Bromomethane	0	0	0	0						
Vinyl Chloride	0	0	0	0						
Chloroethane	0	0	0	0						
Methylene Chloride	0	0	0	0						
Acetone	0	0	0	0						
Carbon Disulfide	0	0	0	0						
1,1-Dichloroethene	0	0	0	0						
1,1-Dichloroethane	0	0	0	0						
Trans-1,2-Dichloroethene	0	0	0	0						
Chloroform	0	0	0	0						
1,2-Dichloroethane	0	0	0	0						
2-Butanone	0	0	0	0						
1,1,1-Trichloroethane	0	0	0	0						

Table A-27. Inorganic and VOA Data for March 14-29, 1990 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride	0	0	0	0						
Vinyl Acetate	0	0	0	0						
Bromodichloromethane	0	0	0	0						
1,2-Dichloropropane	0	0	0	0						
Trans-1,3-Dichloropropene	0	0	0	0						
Trichloroethene	0	0	0	0						
Dibromochloromethane	0	0	0	0						
1,1,2-Trichloroethane	0	0	0	0						
Benzene	0	0	0	0						
cis-1,3-Dichloropropene	0	0	0	0						
Bromoform	0	0	0	0						
4-Methyl-2-Pentanone	0	0	0	0						
2-Hexanone	0	0	0	0						
Tetrachloroethene	0	0	0	0						
1,1,2,2-Tetrachloroethane	0	0	0	0						
Toluene	0	0	0	0						
Chlorobenzene	0	0	0	0						
Ethylbenzene	0	0	0	0						
Styrene	0	0	0	7						
Total Xylenes	0	0	0	0						
COD										
Nitrate										
Nitrite										
Bicarbonate										
Carbonate										
Fluoride										
Chloride										
Bromide										
Thiocyanate										
Arsenic										
Lead										

Table A-27. Inorganic and VOA Data for March 14-29, 1990 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	3/22/90	3/22/90	3/29/90		3/25/90	
Phenolics	0	0	0		0	
Cyanide	0	0	0		0	
Ammonia	3.8	7.2	4.3		5.0	
TOC	45	49	21		12	
TDS	2530	3090	3310		2370	
Sulfide	0	0	0		0	
Sulfate	1130	1540	1750		1490	
Boron	0	0	0.718		0.923	
Alkalinity (lab)	680	630	541		348	
Alkalinity (field)	578.3	620.5	586.3		341.4	
pH (lab)	7.8	7.9	7.6		7.5	
pH field)	8.20	7.96	7.72		8.37	
Eh (field)	103.8	79.4	46.6		20.7	
Conductivity (field)	3030	3440	3530		2440	
Temp. (field)	10.1	9.1	15.9		24.3	
Sample Discharge Rate	1.0	0.9	1.0		1.0	
Chloromethane			0		0	
Bromomethane			0		0	
Vinyl Chloride			0		0	
Chloroethane			0		0	
Methylene Chloride			0		0	
Acetone			0		0	
Carbon Disulfide			0		0	
1,1-Dichloroethene			0		0	
1,1-Dichloroethane			0		0	
Trans-1,2-Dichloroethene			0		0	
Chloroform			0		0	
1,2-Dichloroethane			0		0	
2-Butanone			0		0	
1,1,1-Trichloroethane			0		0	

Table A-27. Inorganic and VOA Data for March 14-29, 1990 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride			0		0	
Vinyl Acetate			0		0	
Bromodichloromethane			0		0	
1,2-Dichloropropane			0		0	
Trans-1,3-Dichloropropene			0		0	
Trichloroethene			0		0	
Dibromochloromethane			0		0	
1,1,2-Trichloroethane			0		0	
Benzene			0		21	
cis-1,3-Dichloropropene			0		0	
Bromoform			0		0	
4-Methyl-2-Pentanone			0		0	
2-Hexanone			0		0	
Tetrachloroethene			0		0	
1,1,2,2-Tetrachloroethane			0		0	
Toluene			0		12	
Chlorobenzene			0		0	
Ethylbenzene			0		11	
Styrene			0		11	
Total Xylenes			0		6	
COD						
Nitrate						
Nitrite						
Bicarbonate						
Carbonate						
Fluoride						
Chloride						
Bromide						
Thiocyanate						
Arsenic						
Lead						

Table A-28. Inorganic and VOA Data for June 21-24, 1990.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	6/24/90	6/24/90	6/23/90	6/22/90			6/23/90	6/22/90	6/22/90	6/23/90
Phenolics	0	0	0	0			0	0	0	0
Cyanide										
Ammonia	4.7	7.7	3.3	4.6			4.7	3.8	4.0	4.4
TOC	33	17	26	0			12	49	0	29
TDS	2260	1390	1620	993			1470	2370	552	2400
Sulfide	0	0	0	0			0	0	0	0
Sulfate	530	12	460	170			150	1190	71	770
Boron	0	0.055	0	0.061			0.054	0	0.033	0
Alkalinity (lab)	1290	1240	799	737			1130	601	463	1190
Alkalinity (field)	1249.0		755.0	690.8				562.2	433.7	1116.5
pH (lab)	7.6	9.6	7.5	7.3			8.6	7.4	7.0	7.6
pH field)	7.69	9.52	7.73	7.57			8.83	8.33	7.33	7.87
Eh (field)	73.2	14.9	65.7	72.7			53.7	95.4	125.2	80.0
Conductivity (field)	2895	2040	2080	1370			1710	3030	780	3020
Temp. (field)	10.8	11.4	12.0	9.4			11.1	10.6	11.3	11.2
Sample Discharge Rate	1.0		0.9	0.9				1.0	0.5	1.0
Chloromethane	0		0					0		0
Bromomethane	0		0					0		0
Vinyl Chloride	0		0					0		0
Chloroethane	0		0					0		0
Methylene Chloride	0		0					0		0
Acetone	0		0					0		0
Carbon Disulfide	0		0					0		0
1,1-Dichloroethene	0		0					0		0
1,1-Dichloroethane	0		0					0		0
Trans-1,2-Dichloroethene	0		0					0		0
Chloroform	0		0					0		0
1,2-Dichloroethane	0		0					0		0
2-Butanone	0		0					0		0
1,1,1-Trichloroethane	0		0					0		0

Table A-28. Inorganic and VOA Data for June 21-24, 1990 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride	0		0					0		0
Vinyl Acetate	0		0					0		0
Bromodichloromethane	0		0					0		0
1,2-Dichloropropane	0		0					0		0
Trans-1,3-Dichloropropene	0		0					0		0
Trichloroethene	0		0					0		0
Dibromochloromethane	0		0					0		0
1,1,2-Trichloroethane	0		0					0		0
Benzene	40		0					0		0
cis-1,3-Dichloropropene	0		0					0		0
Bromoform	0		0					0		0
4-Methyl-2-Pentanone	0		0					0		0
2-Hexanone	0		0					0		0
Tetrachloroethene	0		0					0		0
1,1,2,2-Tetrachloroethane	0		0					0		0
Toluene	0		0					0		0
Chlorobenzene	0		0					0		0
Ethylbenzene	0		0					0		0
Styrene	0		0					0		0
Total Xylenes	0		0					0		0
COD										
Nitrate	0	0	0	0			0	0	0	0
Nitrite	0	0	0	0			0	0	0	0
Bicarbonate	1290	930	787	736			1090	600	462	1190
Carbonate										
Fluoride	3.4	2.8	2.5	1.3			3.3	3.3	0.7	3.3
Chloride										
Bromide										
Thiocyanate										
Arsenic	0	0	0	0			0	0	0	0
Lead										

Table A-28. Inorganic and VOA Data for June 21-24, 1990 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Selenium										
Mercury										
Aluminum										
Barium										
Calcium										
Cadmium										
Chromium										
Copper										
Iron										
Potassium										
Lithium										
Magnesium										
Molybdenum										
Manganese	7	7	4	17			5	6	58	8
Sodium	819	516	533	341			509	814	111	824
Nickel										
Zinc										
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	4.7	8.5	3.4	4.1			4.9	4.5	3.7	4.6
Total Suspended Solids										

Table A-28. Inorganic and VOA Data for June 21-24, 1990 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	6/23/90	6/23/90	6/23/90	6/23/90	6/21/90	6/22/90	6/22/90	6/22/90	6/21/90	6/21/90
Phenolics	0	0	0	0	0	0	0	0	0	0
Cyanide										
Ammonia	4.6	2.9	2.4	3.8	3.5	3.3	2.8	2.4	2.6	2.6
TOC	42	17	27	44	24	18	27	34	27	63
TDS	2450	1620	1460	2470	1650	1680	1440	1400	1470	1580
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	1070	490	300	1200	620	550	380	280	350	440
Boron	0	0	0	0	0	0	0	0.024	0.021	0
Alkalinity (lab)	843	718	791	648	739	690	715	801	784	740
Alkalinity (field)	811.2	702.8	730.9	614.4	698.8	658.6	690.8	804.4	759.0	722.9
pH (lab)	7.6	7.4	7.6	7.5	7.5	7.5	7.5	7.7	7.6	7.7
pH field)	8.00	8.08	8.26	8.16	8.23	8.20	8.35	8.49	8.37	8.42
Eh (field)	71.7	36.2	85.8	74.5	26.6	105.3	60.9	94.5	94.8	77.6
Conductivity (field)	2910	2110	1880	3010	1640	2170	1880	1820	1870	2020
Temp. (field)	11.3	14.4	11.8	10.0	9.9	9.3	10.1	11.8	10.7	9.6
Sample Discharge Rate	0.9	1.0	1.1	1.0	1.0	1.0	0.9	0.3	0.5	1.0
Chloromethane	0	0	0	0						
Bromomethane	0	0	0	0						
Vinyl Chloride	0	0	0	0						
Chloroethane	0	0	0	0						
Methylene Chloride	0	0	0	0						
Acetone	0	0	0	0						
Carbon Disulfide	0	0	0	0						
1,1-Dichloroethene	0	0	0	0						
1,1-Dichloroethane	0	0	0	0						
Trans-1,2-Dichloroethene	0	0	0	0						
Chloroform	0	0	0	0						
1,2-Dichloroethane	0	0	0	0						
2-Butanone	0	0	0	0						
1,1,1-Trichloroethane	0	0	0	0						

Table A-28. Inorganic and VOA Data for June 21-24, 1990 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride	0	0	0	0						
Vinyl Acetate	0	0	0	0						
Bromodichloromethane	0	0	0	0						
1,2-Dichloropropane	0	0	0	0						
Trans-1,3-Dichloropropene	0	0	0	0						
Trichloroethene	0	0	0	0						
Dibromochloromethane	0	0	0	0						
1,1,2-Trichloroethane	0	0	0	0						
Benzene	0	0	0	0						
cis-1,3-Dichloropropene	0	0	0	0						
Bromoform	0	0	0	0						
4-Methyl-2-Pentanone	0	0	0	0						
2-Hexanone	0	0	0	0						
Tetrachloroethene	0	0	0	0						
1,1,2,2-Tetrachloroethane	0	0	0	0						
Toluene	0	0	0	0						
Chlorobenzene	0	0	0	0						
Ethylbenzene	0	0	0	0						
Styrene	0	0	0	0						
Total Xylenes	0	0	0	0						
COD										
Nitrate	0	0	0	0	0	0	0	0	0	0
Nitrite	0	0	0	0	0	0	0	0	0	0
Bicarbonate	840	716	788	646	737	688	713	797	781	737
Carbonate										
Fluoride	2.9	2.8	3.4	3.2	2.4	2.7	3.0	3.6	3.5	3.0
Chloride										
Bromide										
Thiocyanate										
Arsenic	0	0	0	0	0	0	0	0	0	0
Lead										

Table A-28. Inorganic and VOA Data for June 21-24, 1990 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Selenium										
Mercury										
Aluminum										
Barium										
Calcium										
Cadmium										
Chromium										
Copper										
Iron										
Potassium										
Lithium										
Magnesium										
Molybdenum										
Manganese	6	0	0	6	6	0	4	0	4	0
Sodium	816	540	495	832	509	542	485	476	487	520
Nickel										
Zinc										
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	5.3	3.3	3.0	4.9	3.7	3.3	3.0	2.8	3.0	3.0
Total Suspended Solids										

Table A-28. Inorganic and VOA Data for June 21-24, 1990 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	6/21/90	6/21/90	6/24/90		6/24/90	
Phenolics	0	0	0		0	0
Cyanide						
Ammonia	4.1	8.4	5.1		4.9	
TOC	60	54	16		0	
TDS	2550	2890	3400		2380	
Sulfide	0	0	0		0	
Sulfate	1220	1540	2140		1460	
Boron	0	0	0.758		0.901	
Alkalinity (lab)	737	697	533		322	
Alkalinity (field)	686.7	630.5	498.0		357.4	
pH (lab)	7.6	7.6	7.2		7.1	
pH field)	8.23	7.96	7.83		8.31	
Eh (field)	104.8	95.6	15.4		-33.8	
Conductivity (field)	1700	3340	3330		2880	
Temp. (field)	10.3	9.6	18.8		24.4	
Sample Discharge Rate	1.0	0.9	1.1		1.0	
Chloromethane			0		0	
Bromomethane			0		0	
Vinyl Chloride			0		0	
Chloroethane			0		0	
Methylene Chloride			0		0	
Acetone			0		0	
Carbon Disulfide			0		0	
1,1-Dichloroethene			0		0	
1,1-Dichloroethane			0		0	
Trans-1,2-Dichloroethene			0		0	
Chloroform			0		0	
1,2-Dichloroethane			0		0	
2-Butanone			0		0	
1,1,1-Trichloroethane			0		0	

Table A-28. Inorganic and VOA Data for June 21-24, 1990 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride			0		0	
Vinyl Acetate			0		0	
Bromodichloromethane			0		0	
1,2-Dichloropropane			0		0	
Trans-1,3-Dichloropropene			0		0	
Trichloroethene			0		0	
Dibromochloromethane			0		0	
1,1,2-Trichloroethane			0		0	
Benzene			0		0	
cis-1,3-Dichloropropene			0		0	
Bromoform			0		0	
4-Methyl-2-Pentanone			0		0	
2-Hexanone			0		0	
Tetrachloroethene			0		0	
1,1,2,2-Tetrachloroethane			0		0	
Toluene			0		0	
Chlorobenzene			0		0	
Ethylbenzene			0		0	
Styrene			0		0	
Total Xylenes			0		0	
COD						
Nitrate	0	0	0		0	
Nitrite	0	0	0		0	
Bicarbonate	734	695	532		322	
Carbonate						
Fluoride	3.2	3.0	5.9		9.1	
Chloride						
Bromide						
Thiocyanate						
Arsenic	0	0	13		22	
Lead						

Table A-28. Inorganic and VOA Data for June 21-24, 1990 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium						
Mercury						
Aluminum						
Barium						
Calcium						
Cadmium						
Chromium						
Copper						
Iron						
Potassium						
Lithium						
Magnesium						
Molybdenum						
Manganese	9	24	411		169	
Sodium	808	757	668		616	
Nickel						
Zinc						
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen	4.8	8.8	5.3		5.8	
Total Suspended Solids						

Table A-29. Inorganic and VOA Data for Sept. 5-10, 1990.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	9/9/90	9/9/90	9/8/90	9/10/90			9/6/90	9/6/90	9/6/90	9/9/90
Phenolics	0	0.02	0	0			0	0	0	0
Cyanide	0	0	0	0			0	0	0	0
Ammonia										
TOC	32	96	32	0			12	45	0	27
TDS	2250	1420	1760	1000			1450	2300	559	2450
Sulfide	0	0	0	0			0	0	0	0
Sulfate	510	10	480	180			120	1140	80	780
Boron	0	0.058	0.024	0.068			0.07	0.034	0.039	0
Alkalinity (lab)	1350	1240	800	730			1010	580	460	1170
Alkalinity (field)	1325.3		823.3	726.9					449.8	1124.5
pH (lab)	7.3	9.4	7.1	7.0			7.0	7.4	7.2	7.5
pH field)	8.40	10.29	8.60	8.17			9.44	8.84	7.99	8.63
Eh (field)	5.3	-17.8	-25.3	103.5			-15.7	95.0	156.4	-30.2
Conductivity (field)	2410	1690	2060	1250			1640	2620	800	2780
Temp. (field)	10.8	12.8	12.8	12.4			11.8	13.5	14.5	10.2
Sample Discharge Rate	1.2		1.0	1.0				0.9	0.3	1.1
Chloromethane										
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride										
Acetone										
Carbon Disulfide										
1,1-Dichloroethene										
1,1-Dichloroethane										
Trans-1,2-Dichloroethene										
Chloroform										
1,2-Dichloroethane										
2-Butanone										
1,1,1-Trichloroethane										

Table A-29. Inorganic and VOA Data for Sept. 5-10, 1990 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride										
Vinyl Acetate										
Bromodichloromethane										
1,2-Dichloropropane										
Trans-1,3-Dichloropropene										
Trichloroethene										
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene	0		0					0	0	0
cis-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-Pentanone										
2-Hexanone										
Tetrachloroethene										
1,1,2,2-Tetrachloroethane										
Toluene	0		0					0	0	0
Chlorobenzene										
Ethylbenzene	0		0					0	0	0
Styrene										
Total Xylenes	0		0					0	0	0
COD										
Nitrate										
Nitrite										
Bicarbonate										
Carbonate										
Fluoride										
Chloride										
Bromide										
Thiocyanate										
Arsenic										
Lead										

Table A-29. Inorganic and VOA Data for Sept. 5-10, 1990 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	9/9/90	9/8/90	9/8/90	9/6/90	9/5/90	9/10/90	9/10/90	9/10/90	9/5/90	9/5/90
Phenolics	0	0	0	0	0	0	0		0	0
Cyanide	0	0	0	0	0	0	0		0	0
Ammonia										
TOC	41	22	26	49	32	18	27		32	29
TDS	2450	1660	1460	2460	1640	1690	1460		1450	1600
Sulfide	0	0	0	0	0	0	0		0	0
Sulfate	950	530	390	1170	580	620	430		380	500
Boron	0.021	0	0.027	0	0	0	0		0.021	0.027
Alkalinity (lab)	860	750	780	630	710	690	710		790	740
Alkalinity (field)	831.3	682.7	730.9	598.4	722.8	646.6	698.8			714.9
pH (lab)	7.1	7.1	7.5	7.4	7.7	7.1	7.2		8.2	8.1
pH field)	7.78	8.05	8.93	8.14	8.82	8.02	9.00		8.18	8.98
Eh (field)	-21.4	-33.4	28.6	85.1	-24.6	355.8	110.5		132.6	50.3
Conductivity (field)	2840	1720	1680	2670	1930	1830	1890		1750	1440
Temp. (field)	10.4	13.6	13.7	10.6	10.4	10.2	10.6		14.2	10.2
Sample Discharge Rate	1.0	1.2	1.3	1.1	0.8	1.2	1.0		0.5	1.1
Chloromethane										
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride										
Acetone										
Carbon Disulfide										
1,1-Dichloroethene										
1,1-Dichloroethane										
Trans-1,2-Dichloroethene										
Chloroform										
1,2-Dichloroethane										
2-Butanone										
1,1,1-Trichloroethane										

Table A-29. Inorganic and VOA Data for Sept. 5-10, 1990 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride										
Vinyl Acetate										
Bromodichloromethane										
1,2-Dichloropropane										
Trans-1,3-Dichloropropene										
Trichloroethene										
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene	0	0	0	0						
cis-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-Pentanone										
2-Hexanone										
Tetrachloroethene										
1,1,2,2-Tetrachloroethane										
Toluene	0	0	0	0						
Chlorobenzene										
Ethylbenzene	0	0	0	0						
Styrene										
Total Xylenes	0	0	0	0						
COD										
Nitrate										
Nitrite										
Bicarbonate										
Carbonate										
Fluoride										
Chloride										
Bromide										
Thiocyanate										
Arsenic										
Lead										

Table A-29. Inorganic and VOA Data for Sept. 5-10, 1990 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	9/5/90	9/5/90	9/9/90		9/10/90	
Phenolics	0	0	0		0	
Cyanide	0	0	0		0	
Ammonia						
TOC	48	52	17		0	
TDS	2520	2740	3600		2170	
Sulfide	0	0	0		0	
Sulfate	1150	1290	2180		1240	
Boron	0	0.027	0.765		0.611	
Alkalinity (lab)	740	690	510		260	
Alkalinity (field)	710.8	686.7	506.0		293.2	
pH (lab)	7.6	7.2	7.0		9.0	
pH field)	8.76	8.61	8.36		10.12	
Eh (field)	121.3	-2.5	-77.6		-64.7	
Conductivity (field)	2640	2690	3090		2710	
Temp. (field)	11.9	10.4	18.0		15.9	
Sample Discharge Rate	1.0	1.1	1.2		1.0	
Chloromethane						
Bromomethane						
Vinyl Chloride						
Chloroethane						
Methylene Chloride						
Acetone						
Carbon Disulfide						
1,1-Dichloroethene						
1,1-Dichloroethane						
Trans-1,2-Dichloroethene						
Chloroform						
1,2-Dichloroethane						
2-Butanone						
1,1,1-Trichloroethane						

Table A-29. Inorganic and VOA Data for Sept. 5-10, 1990 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride						
Vinyl Acetate						
Bromodichloromethane						
1,2-Dichloropropane						
Trans-1,3-Dichloropropene						
Trichloroethene						
Dibromochloromethane						
1,1,2-Trichloroethane						
Benzene			0		0	
cis-1,3-Dichloropropene						
Bromoform						
4-Methyl-2-Pentanone						
2-Hexanone						
Tetrachloroethene						
1,1,2,2-Tetrachloroethane						
Toluene			0		0	
Chlorobenzene						
Ethylbenzene			0		0	
Styrene						
Total Xylenes			0		0	
COD						
Nitrate						
Nitrite						
Bicarbonate						
Carbonate						
Fluoride						
Chloride						
Bromide						
Thiocyanate						
Arsenic						
Lead						

Table A-30. Inorganic and VOA Data for Dec. 2-6, 1990.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	12/5/90	12/5/90	12/5/90				12/4/90	12/4/90	12/4/90	12/5/90
Phenolics	0	0	0				0	0	0	0
Cyanide	0	0	0				0	0	0	0
Ammonia	4.4	9.0	3.0				3.8	3.8	3.9	4.7
TOC	24	0	24				14	41	0	32
TDS	3040	1360	1590				1480	2420	529	2560
Sulfide	0	0	0				0	0	0	0
Sulfate	610	8	540				120	1200	76	1150
Boron	0.025	0.055	0				0.056	0	0.025	0
Alkalinity (lab)	1040	1160	710				1010	560	410	950
Alkalinity (field)	1188.7		779.1					586.3	465.9	983.9
pH (lab)										
pH field)	8.86	7.50	7.80				8.80	8.13	7.33	7.75
Eh (field)	27.8	13.1	46.9				86.1	162.1	187.2	73.6
Conductivity (field)	2190	1910	1630				1940	3010	850	3080
Temp. (field)	8.5	7.5	9.0				8.7	11.0	7.4	8.5
Sample Discharge Rate	1.0		0.8					1.0	0.4	0.9
Chloromethane	0		0					0	0	0
Bromomethane	0		0					0	0	0
Vinyl Chloride	0		0					0	0	0
Chloroethane	0		0					0	0	0
Methylene Chloride	0		0					0	0	0
Acetone	0		0					0	0	0
Carbon Disulfide	0		0					0	0	0
1,1-Dichloroethene	0		0					0	0	0
1,1-Dichloroethane	0		0					0	0	0
Trans-1,2-Dichloroethene	0		0					0	0	0
Chloroform	0		0					0	0	0
1,2-Dichloroethane	0		0					0	0	0
2-Butanone	0		0					0	0	0
1,1,1-Trichloroethane	0		0					0	0	0

Table A-30. Inorganic and VOA Data for Dec. 2-6, 1990 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride	0		0					0	0	0
Vinyl Acetate	0		0					0	0	0
Bromodichloromethane	0		0					0	0	0
1,2-Dichloropropane	0		0					0	0	0
Trans-1,3-Dichloropropene	0		0					0	0	0
Trichloroethene	0		0					0	0	0
Dibromochloromethane	0		0					0	0	0
1,1,2-Trichloroethane	0		0					0	0	0
Benzene	0		0					0	0	0
cis-1,3-Dichloropropene	0		0					0	0	0
Bromoform	0		0					0	0	0
4-Methyl-2-Pentanone	0		0					0	0	0
2-Hexanone	0		0					0	0	0
Tetrachloroethene	0		0					0	0	0
1,1,2,2-Tetrachloroethane	0		0					0	0	0
Toluene	0		0					0	0	0
Chlorobenzene	0		0					0	0	0
Ethylbenzene	0		0					0	0	0
Styrene	0		0					0	0	0
Total Xylenes	0		0					0	0	0
COD	58	0	59				0	120	0	93
Nitrate	0	0	0				0	0	0	0
Nitrite	0	0	0				0	0	0	0
Bicarbonate	973	1156	706				953	553	409	945
Carbonate	66	3	4				56	7	0	5
Fluoride	2.8	2.4	2.1				2.8	3.0	0.5	2.9
Chloride	15.0	58.0	4.8				53.0	16.0	2.3	39.0
Bromide	2.2	0	0				0	0	0	0
Thiocyanate	0	0	0				0	0	0	0
Arsenic	0	0	0				0	0	0	0
Lead	0	0	0				0	0	0	0

Table A-30. Inorganic and VOA Data for Dec. 2-6, 1990 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Selenium	0	0	0				0	0	0	0
Mercury	0	0	0				0	0	0	0
Aluminum	0	151	0				84	0	0	0
Barium	67	105	79				158	58	58	64
Calcium	17.20	5.52	9.32				4.93	13.20	56.30	26.30
Cadmium	0	0	0				0	0	0	0
Chromium	0	0	0				0	0	0	0
Copper	0	0	0				0	0	0	0
Iron	110	211	145				132	45	635	106
Potassium	7.97	19.80	0				15.70	7.27	9.54	8.64
Lithium	107	112	76				112	91	47	127
Magnesium	9.04	2.32	5.41				4.20	7.37	28.80	20.30
Molybdenum	0	0	0				0	0	0	0
Manganese	5	5	5				9	8	57	9
Sodium	698	608	611				587	832	117	925
Nickel	0	0	0				0	0	0	0
Zinc	0	9	0				0	0	0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	5.2	8.9	3.6				4.3	4.8	4.2	6.2
Total Suspended Solids	0	0	0				0	0	0	0

Table A-30. Inorganic and VOA Data for Dec. 2-6, 1990 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	12/5/90	12/5/90	12/4/90	12/4/90	12/3/90	12/3/90	12/4/90		12/2/90	12/2/90
Phenolics	0	0	0	0	0	0	0		0	0
Cyanide	0	0	0	0	0	0	0		0	0
Ammonia	4.3	3.0	2.5	4.2	3.6	3.4	2.6		2.5	2.9
TOC	36	24	28	47	19	22	21		28	22
TDS	2290	1610	1420	2660	1570	1720	1720		1460	1620
Sulfide	0	0	0	0	0	0	0		0	0
Sulfate	980	560	390	1300	490	600	420		380	540
Boron	0	0	0	0	0	0	0		0.023	0
Alkalinity (lab)	780	650	730	570	710	650	660		720	700
Alkalinity (field)	871.5	743.0	787.1	634.5	795.2	714.8	730.9			734.9
pH (lab)										
pH field)	8.11	7.94	8.15	8.10	8.00	8.03	8.25		7.99	8.04
Eh (field)	50.4	86.7	86.8	105.1	54.3	132.5	101.0		141.9	87.5
Conductivity (field)	2150	1830	1400	2850	2040	1770	1810		1960	330
Temp. (field)	8.3	12.5	10.0	9.9	7.6	11.6	10.5		8.2	8.5
Sample Discharge Rate	1.0	1.0	1.0	0.9	0.9	1.0	0.8		0.3	1.1
Chloromethane	0	0	0	0	0	0	0		0	0
Bromomethane	0	0	0	0	0	0	0		0	0
Vinyl Chloride	0	0	0	0	0	0	0		0	0
Chloroethane	0	0	0	0	0	0	0		0	0
Methylene Chloride	0	0	0	0	0	0	0		0	0
Acetone	0	0	0	0	0	0	0		0	0
Carbon Disulfide	0	0	0	0	0	0	0		0	0
1,1-Dichloroethene	0	0	0	0	0	0	0		0	0
1,1-Dichloroethane	0	0	0	0	0	0	0		0	0
Trans-1,2-Dichloroethene	0	0	0	0	0	0	0		0	0
Chloroform	0	0	0	0	0	0	0		0	0
1,2-Dichloroethane	0	0	0	0	0	0	0		0	0
2-Butanone	0	0	0	0	0	0	0		0	0
1,1,1-Trichloroethane	0	0	0	0	0	0	0		0	0

Table A-30. Inorganic and VOA Data for Dec. 2-6, 1990 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride	0	0	0	0	0	0	0		0	0
Vinyl Acetate	0	0	0	0	0	0	0		0	0
Bromodichloromethane	0	0	0	0	0	0	0		0	0
1,2-Dichloropropane	0	0	0	0	0	0	0		0	0
Trans-1,3-Dichloropropene	0	0	0	0	0	0	0		0	0
Trichloroethene	0	0	0	0	0	0	0		0	0
Dibromochloromethane	0	0	0	0	0	0	0		0	0
1,1,2-Trichloroethane	0	0	0	0	0	0	0		0	0
Benzene	0	0	0	0	0	0	0		0	0
cis-1,3-Dichloropropene	0	0	0	0	0	0	0		0	0
Bromoform	0	0	0	0	0	0	0		0	0
4-Methyl-2-Pentanone	0	0	0	0	0	0	0		0	0
2-Hexanone	0	0	0	0	0	0	0		0	0
Tetrachloroethene	0	0	0	0	0	0	0		0	0
1,1,2,2-Tetrachloroethane	0	0	0	0	0	0	0		0	0
Toluene	0	0	0	0	0	0	0		0	0
Chlorobenzene	0	0	0	0	0	0	0		0	0
Ethylbenzene	0	0	0	0	0	0	0		0	0
Styrene	0	0	0	0	0	0	0		0	0
Total Xylenes	0	0	0	0	0	0	0		0	0
COD	100	0	88	140	59	47	63		58	74
Nitrate	0	0	0	0	0	0	0		0	0
Nitrite	0	0	0	0	0	0	0		0	0
Bicarbonate	771	645	720	563	703	643	649		713	693
Carbonate	9	5	10	7	7	6	11		7	7
Fluoride	2.4	2.3	2.9	3.0	2.1	2.4	2.6		3.1	3.0
Chloride	14.0	4.2	4.8	19.0	5.3	3.7	3.9		6.7	9.2
Bromide	0	0	0	0	0	0	0		0	0
Thiocyanate	0	0	0	0	0	0	0		0	0
Arsenic	0	0	0	0	0	0	0		0	0
Lead	0	0	0	0	0	0	0		0	0

Table A-30. Inorganic and VOA Data for Dec. 2-6, 1990 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Selenium	0	0	0	0	0	0	0		0	0
Mercury	0	0	0	0	0	0	0		0	0
Aluminum	0	0	0	0	0	0	108		0	0
Barium	48	88	32	68	88	56	115		36	24
Calcium	23.00	8.64	6.29	16.30	18.30	11.60	6.24		6.53	6.88
Cadmium	0	0	0	0	0	0	0		0	0
Chromium	0	0	0	0	0	0	0		0	0
Copper	0	0	0	0	0	0	0		0	0
Iron	127	62	29	73	101	36	70		89	78
Potassium	7.75	5.46	5.23	8.18	6.82	5.91	0		0	5.46
Lithium	125	69	58	114	87	76	56		58	65
Magnesium	18.10	4.41	3.26	9.78	16.90	8.86	3.22		3.36	4.16
Molybdenum	0	0	0	0	0	0	0		0	0
Manganese	6	0	0	7	8	4	0		6	0
Sodium	734	622	555	930	574	619	549		557	638
Nickel	0	0	0	0	0	0	0		0	0
Zinc	0	0	0	0	0	0	0		0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	6.1	4.1	3.3	5.4	4.1	3.3	2.8		2.8	3.3
Total Suspended Solids	0	0	0	0	0	0	120		0	0

Table A-30. Inorganic and VOA Data for Dec. 2-6, 1990 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	12/2/90	12/2/90	12/6/90		12/6/90	
Phenolics	0	0	0		0	
Cyanide	0	0	0		0	
Ammonia	4.2	8.2	8.6		4.7	
TOC	51	42	26		12	
TDS	2550	2630	3390		2160	
Sulfide	0	0	0		0	
Sulfate	1200	1300	1310		2060	
Boron	0	0	0.689		0.900	
Alkalinity (lab)	670	690	830		490	
Alkalinity (field)	787.1	783.1	538.1		353.4	
pH (lab)						
pH field)	8.81	8.62	7.65		7.80	
Eh (field)	92.1	59.5	25.5		-3.3	
Conductivity (field)	2260	3060	1550		1470	
Temp. (field)	9.4	9.2	15.7		21.0	
Sample Discharge Rate	1.2	1.0	1.1		1.1	
Chloromethane	0	0	0		0	
Bromomethane	0	0	0		0	
Vinyl Chloride	0	0	0		0	
Chloroethane	0	0	0		0	
Methylene Chloride	0	0	0		0	
Acetone	0	0	0		0	
Carbon Disulfide	0	0	0		0	
1,1-Dichloroethene	0	0	0		0	
1,1-Dichloroethane	0	0	0		0	
Trans-1,2-Dichloroethene	0	0	0		0	
Chloroform	0	0	0		0	
1,2-Dichloroethane	0	0	0		0	
2-Butanone	0	0	0		0	
1,1,1-Trichloroethane	0	0	0		0	

Table A-30. Inorganic and VOA Data for Dec. 2-6, 1990 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride	0	0	0		0	
Vinyl Acetate	0	0	0		0	
Bromodichloromethane	0	0	0		0	
1,2-Dichloropropane	0	0	0		0	
Trans-1,3-Dichloropropene	0	0	0		0	
Trichloroethene	0	0	0		0	
Dibromochloromethane	0	0	0		0	
1,1,2-Trichloroethane	0	0	0		0	
Benzene	0	0	0		0	
cis-1,3-Dichloropropene	0	0	0		0	
Bromoform	0	0	0		0	
4-Methyl-2-Pentanone	0	0	0		0	
2-Hexanone	0	0	0		0	
Tetrachloroethene	0	0	0		0	
1,1,2,2-Tetrachloroethane	0	0	0		0	
Toluene	0	0	0		0	
Chlorobenzene	0	0	0		0	
Ethylbenzene	0	0	0		0	
Styrene	0	0	0		0	
Total Xylenes	0	0	0		0	
COD	120	120	0		0	
Nitrate	0	0	0		0	
Nitrite	0	0	0		0	
Bicarbonate	631	664	826		487	
Carbonate	38	26	4		3	
Fluoride	3.0	2.6	7.4		5.7	
Chloride	13.0	25.0	61.0		23.0	
Bromide	0	0	0		0	
Thiocyanate	0	0	0		0	
Arsenic	0	0	7		29	
Lead	0	0	0		0	

Table A-30. Inorganic and VOA Data for Dec. 2-6, 1990 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium	0	0	0		0	
Mercury	0	0	0		0	
Aluminum	0	0	0		0	
Barium	74	52	56		24	
Calcium	22.30	77.40	276.00		26.80	
Cadmium	0	0	0		0	
Chromium	0	0	0		0	
Copper	0	0	0		0	
Iron	45	290	1360		606	
Potassium	6.82	13.20	75.90		34.90	
Lithium	111	172	606		572	
Magnesium	16.90	65.00	28.00		6.55	
Molybdenum	0	0	0		42	
Manganese	8	24	361		116	
Sodium	860	745	742		710	
Nickel	0	0	0		0	
Zinc	0	0	0		0	
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen	5.0	9.2	9.6		5.5	
Total Suspended Solids	0	120	0		0	

Table A-31. Inorganic and VOA Data for June 19-22, 1991.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	6/21/91	6/21/91	6/21/91				6/20/91	6/20/91	6/20/91	6/21/91
Phenolics	0	0.024	0				0	0	0	0
Cyanide	0	0	0				0	0	0	0
Ammonia	4.9	8.8	3.2				3.4	3.8	4.2	4.5
TOC	18	0	20				0	35	0	21
TDS	2054	1360	1624				1434	2245	576	2290
Sulfide	0	0	0				0	0	0	0
Sulfate	450	7	480				110	1140	86	710
Boron	0	0.050	0				0.050	0	0	0
Alkalinity (lab)	1230	1220	770				1080	600	440	1140
Alkalinity (field)	1365.4		767.1					670.7	602.4	1016.0
pH (lab)	7.9	9.5	8.0				8.7	8.3	8.0	7.9
pH field)	8.76	10.39	7.71				8.60	9.09		8.76
Eh (field)	48.6	17.4	59.1				108.2	120.6		87.0
Conductivity (field)	2570	1800	1770				1890	2770		2830
Temp. (field)	10.5	12.7	12.1				11.8	11.2		11.0
Sample Discharge Rate	1.0		0.9					1.0	0.4	1.0
Chloromethane										
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride										
Acetone										
Carbon Disulfide										
1,1-Dichloroethene										
1,1-Dichloroethane										
Trans-1,2-Dichloroethene										
Chloroform										
1,2-Dichloroethane										
2-Butanone										
1,1,1-Trichloroethane										

Table A-31. Inorganic and VOA Data for June 19-22, 1991 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride										
Vinyl Acetate										
Bromodichloromethane										
1,2-Dichloropropane										
Trans-1,3-Dichloropropene										
Trichloroethene										
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene	44	0	29					0	0	0
cis-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-Pentanone										
2-Hexanone										
Tetrachloroethene										
1,1,2,2-Tetrachloroethane										
Toluene										
Chlorobenzene										
Ethylbenzene										
Styrene										
Total Xylenes										
COD										
Nitrate	0	0	0				0	0	0	0
Nitrite	0	0	0				0	0	0	0
Bicarbonate	1220	940	760				1030	580	430	1139
Carbonate										
Fluoride	1.3	1.4	1.3				2.5	1.7	0.2	1.3
Chloride										
Bromide										
Thiocyanate										
Arsenic	0	0	0				0	0	0	0
Lead										

Table A-31. Inorganic and VOA Data for June 19-22, 1991 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Selenium										
Mercury										
Aluminum										
Barium										
Calcium										
Cadmium										
Chromium										
Copper										
Iron										
Potassium										
Lithium										
Magnesium										
Molybdenum										
Manganese	0	0	0				0	6	53	6
Sodium	774	536	558				545	801	107	839
Nickel										
Zinc										
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	5.0	8.2	3.2				3.6	4.4	4.3	4.7
Total Suspended Solids										

Table A-31. Inorganic and VOA Data for June 19-22, 1991 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	6/21/91	6/21/91	6/20/91	6/20/91	6/19/91	6/19/91	6/20/91		6/19/91	6/19/91
Phenolics	0	0	0	0	0	0	0		0	0
Cyanide	0	0	0	0	0	0	0		0	0
Ammonia	4.7	3.2	2.7	4.2	3.6	3.3	2.7		2.8	3.1
TOC	30	16	21	38	20	17	25		22	21
TDS	2136	1684	1428	2498	1571	1658	1367		1478	1789
Sulfide	0	0	0	0	0	0	0		0	0
Sulfate	760	510	360	1140	480	570	420		380	560
Boron	0	0	0	0	0	0	0		0	0
Alkalinity (lab)	870	710	770	630	750	690	680		740	700
Alkalinity (field)	987.9	759.0	879.5		859.4	767.1	702.8		815.2	759.0
pH (lab)	7.9	8.0	8.4	8.3	8.4	8.4	8.4		8.5	8.4
pH field)	8.80	7.89	9.09	8.99	8.92	8.90	8.04		8.78	8.19
Eh (field)	43.2	29.1	102.1	110.3	44.7	202.4	51.4		120.1	50.3
Conductivity (field)	2680	1340	1790	2960	1970	2020	1830		1830	1920
Temp. (field)	10.7	13.2	12.7	11.6	12.3	20.5	10.3		12.3	10.8
Sample Discharge Rate	0.9	1.0	1.1	1.1	0.8	1.0	1.1		0.4	0.9
Chloromethane										
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride										
Acetone										
Carbon Disulfide										
1,1-Dichloroethene										
1,1-Dichloroethane										
Trans-1,2-Dichloroethene										
Chloroform										
1,2-Dichloroethane										
2-Butanone										
1,1,1-Trichloroethane										

Table A-31. Inorganic and VOA Data for June 19-22, 1991 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride										
Vinyl Acetate										
Bromodichloromethane										
1,2-Dichloropropane										
Trans-1,3-Dichloropropene										
Trichloroethene										
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene	0	0	0	0						
cis-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-Pentanone										
2-Hexanone										
Tetrachloroethene										
1,1,2,2-Tetrachloroethane										
Toluene										
Chlorobenzene										
Ethylbenzene										
Styrene										
Total Xylenes										
COD										
Nitrate	0	0	0	0	0	0	0		0	0
Nitrite	0	0	0	0	0	0	0		0	0
Bicarbonate	850	700	750	620	730	690	660		720	680
Carbonate										
Fluoride	1.0	1.6	2.2	1.6	1.4	1.8	1.9		2.2	1.8
Chloride										
Bromide										
Thiocyanate										
Arsenic	0	0	0	0	0	0	0		0	0
Lead										

Table A-31. Inorganic and VOA Data for June 19-22, 1991 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Selenium										
Mercury										
Aluminum										
Barium										
Calcium										
Cadmium										
Chromium										
Copper										
Iron										
Potassium										
Lithium										
Magnesium										
Molybdenum										
Manganese	0	0	0	6	5	0	4		0	4
Sodium	748	555	518	885	545	582	491		509	572
Nickel										
Zinc										
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	5.0	3.2	3.2	4.9	3.8	3.6	3.0		3.3	3.4
Total Suspended Solids										

Table A-31. Inorganic and VOA Data for June 19-22, 1991 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	6/19/91	6/19/91	6/22/91		6/21/91	
Phenolics	0	0	0		0	
Cyanide	0	0	0		0	
Ammonia	4.1	8.3	5.2		8.2	
TOC	38	44	0		0	
TDS	2379	2474	3536		2018	
Sulfide	0	0	0		0	
Sulfate	870	1060	1880		1040	
Boron	0	0	0.678		0.805	
Alkalinity (lab)	740	710	490		310	
Alkalinity (field)	847.4	799.2	522.1		357.4	
pH (lab)	8.3	8.2	7.8		8.2	
pH field)	8.91	8.78	7.55		8.81	
Eh (field)	106.2	72.9	37.8		-41.8	
Conductivity (field)	1450	2390	3480		2580	
Temp. (field)	12.3	11.5	17.2		20.6	
Sample Discharge Rate	1.0	0.8	0.9		0.9	
Chloromethane						
Bromomethane						
Vinyl Chloride						
Chloroethane						
Methylene Chloride						
Acetone						
Carbon Disulfide						
1,1-Dichloroethene						
1,1-Dichloroethane						
Trans-1,2-Dichloroethene						
Chloroform						
1,2-Dichloroethane						
2-Butanone						
1,1,1-Trichloroethane						

Table A-31. Inorganic and VOA Data for June 19-22, 1991 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride						
Vinyl Acetate						
Bromodichloromethane						
1,2-Dichloropropane						
Trans-1,3-Dichloropropene						
Trichloroethene						
Dibromochloromethane						
1,1,2-Trichloroethane						
Benzene				0	0	
cis-1,3-Dichloropropene						
Bromoform						
4-Methyl-2-Pentanone						
2-Hexanone						
Tetrachloroethene						
1,1,2,2-Tetrachloroethane						
Toluene						
Chlorobenzene						
Ethylbenzene						
Styrene						
Total Xylenes						
COD						
Nitrate	0	0	0		0	
Nitrite	0	0	0		0	
Bicarbonate	720	700	480		310	
Carbonate						
Fluoride	1.4	0.8	3.8		6.1	
Chloride						
Bromide						
Thiocyanate						
Arsenic	0	0	8		32	
Lead						

Table A-31. Inorganic and VOA Data for June 19-22, 1991 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium						
Mercury						
Aluminum						
Barium						
Calcium						
Cadmium						
Chromium						
Copper						
Iron						
Potassium						
Lithium						
Magnesium						
Molybdenum						
Manganese	7	13	347		95	
Sodium	794	645	730		645	
Nickel						
Zinc						
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen	5.1	8.6	5.2		7.6	
Total Suspended Solids						

Table A-32. Inorganic and VOA Data for Dec. 5-10, 1991.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	12/10/91	12/10/91	12/10/91				12/8/91	12/8/91	12/8/91	12/10/91
Phenolics	0	0	0				0	0	0	0
Cyanide	0	0	0				0	0	0	0
Ammonia	4.0	7.8	2.9				2.9	3.4	3.9	4.2
TOC	18	0	22				10	30	0	18
TDS	2010	1360	1590				1380	2110	545	2260
Sulfide	0	0	0				0	0	0	0
Sulfate	570	8	560				100	1100	80	690
Boron	0.024	0.058	0.034				0.054	0.021	0.046	0.020
Alkalinity (lab)	1190	1240	750				1140	606	456	1200
Alkalinity (field)	1261.0		863.5						502.0	1257.0
pH (lab)	8.2	9.5	8.0				8.6	8.4	7.9	8.2
pH field)	8.25	9.80	8.25				8.67	8.41	7.53	8.14
Eh (field)	-2.0	-10.0	99.5				91.6	130.1	167.3	21.7
Conductivity (field)	2480	2200	2250				2070	2750	730	2520
Temp. (field)	9.3	6.7	9.5				7.3	9.8	7.2	8.9
Sample Discharge Rate	1.2		1.0					1.2	0.5	1.2
Chloromethane	0	0	0				0	0	0	0
Bromomethane	0	0	0				0	0	0	0
Vinyl Chloride	0	0	0				0	0	0	0
Chloroethane	0	0	0				0	0	0	0
Methylene Chloride	0	0	0				0	0	0	0
Acetone	0	0	0				0	0	0	0
Carbon Disulfide	0	0	0				0	0	0	0
1,1-Dichloroethene	0	0	0				0	0	0	0
1,1-Dichloroethane	0	0	0				0	0	0	0
Trans-1,2-Dichloroethene	0	0	0				0	0	0	0
Chloroform	0	0	0				0	0	0	0
1,2-Dichloroethane	0	0	0				0	0	0	0
2-Butanone	0	0	0				0	0	0	0
1,1,1-Trichloroethane	0	0	0				0	0	0	0

Table A-32. Inorganic and VOA Data for Dec. 5-10, 1991 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride	0	0	0				0	0	0	0
Vinyl Acetate	0	0	0				0	0	0	0
Bromodichloromethane	0	0	0				0	0	0	0
1,2-Dichloropropane	0	0	0				0	0	0	0
Trans-1,3-Dichloropropene	0	0	0				0	0	0	0
Trichloroethene	0	0	0				0	0	0	0
Dibromochloromethane	0	0	0				0	0	0	0
1,1,2-Trichloroethane	0	0	0				0	0	0	0
Benzene	19	0	18				0	0	0	0
cis-1,3-Dichloropropene	0	0	0				0	0	0	0
Bromoform	0	0	0				0	0	0	0
4-Methyl-2-Pentanone	0	0	0				0	0	0	0
2-Hexanone	0	0	0				0	0	0	0
Tetrachloroethene	0	0	0				0	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0				0	0	0	0
Toluene	0	0	0				0	0	0	0
Chlorobenzene	0	0	0				0	0	0	0
Ethylbenzene	0	0	0				0	0	0	0
Styrene	0	0	0				0	0	0	0
Total Xylenes	0	0	0				0	0	0	0
COD	56	28	58				46	89	0	60
Nitrate	0	0	0				0	0	0	0
Nitrite	0	0	0				0	0	0	0
Bicarbonate	1170	950	743				1100	591	452	1180
Carbonate	19	289	7				40	15	4	16
Fluoride	1.2	1.3	1.1				2.1	1.8	0	1.1
Chloride	25.0	55.0	5.2				53.0	13.0	2.1	28.0
Bromide	0.1	0.2	0				0.2	0	0	1.3
Thiocyanate	0	0	0				0	0	0	0
Arsenic	0	0	0				0	0	0	0
Lead	0	0	0				0	0	0	0

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1.0 1.1 1.25 1.4 1.6 1.8 2.0 2.2 2.5 2.8 3.2 3.6 4.0 4.5 5.0 5.6 6.3 7.1

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Table A-32. Inorganic and VOA Data for Dec. 5-10, 1991 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Selenium	0	0	0				0	0	0	170
Mercury	0	0	0				0	0	0	0
Aluminum	0	0	0				0	0	0	0
Barium	72	77	77				204	48	76	56
Calcium	16.10	1.97	9.50				6.22	10.50	58.10	21.40
Cadmium	0	0	0				0	0	0	0
Chromium	0	0	0				0	0	0	0
Copper	0	0	0				0	0	0	0
Iron	61	6	102				6	25	578	67
Potassium	6.05	16.10	0				7.84	6.49	8.96	6.94
Lithium	102	103	74				87	82	44	115
Magnesium	9.07	2.28	5.73				4.43	6.28	30.30	17.50
Molybdenum	22	20	16				21	0	13	24
Manganese	0	0	0				0	5	53	5
Sodium	766	571	564				581	707	112	821
Nickel	0	0	0				0	0	0	0
Zinc	0	0	0				0	0	0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	3.8	7.6	2.7				3.1	3.8	3.9	4.3
Total Suspended Solids	0	20	0				11	0	0	0

Table A-32. Inorganic and VOA Data for Dec. 5-10, 1991 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	12/10/91	12/8/91	12/8/91	12/8/91	12/7/91	12/7/91	12/7/91		12/5/91	12/5/91
Phenolics	0	0	0	0	0	0	0		0	0
Cyanide	0	0	0	0	0	0	0		0	0
Ammonia	3.8	2.7	2.3	3.5	3.3	3.1	2.5		2.5	3.0
TOC	29	16	22	32	23	16	26		29	30
TDS	2100	1620	1430	2440	1570	1650	1430		1450	1760
Sulfide	0	0	0	0	0	0	0		0	0
Sulfate	790	610	370	1200	520	610	420		400	740
Boron	0.020	0	0.024	0	0.026	0	0.026		0.023	0
Alkalinity (lab)	858	687	764	629	772	721	699		773	695
Alkalinity (field)	996.0	791.2	855.4	718.9	831.3	771.1	763.0			
pH (lab)	8.6	8.5	8.5	8.4	8.4	8.5	8.5		8.4	8.4
pH field)	8.31	8.34	8.41	8.34	8.22	8.25	8.40		8.45	8.40
Eh (field)	31.0	-5.1	52.3	92.8	17.4	73.5	81.7		142.3	81.5
Conductivity (field)	2690	2150	1920	3220	1920	1900	1940		2080	2440
Temp. (field)	8.2	10.4	9.3	7.8	8.2	8.2	9.1		8.7	9.1
Sample Discharge Rate	1.2	1.0	1.2	1.1	1.2	1.3	0.5		0.3	1.2
Chloromethane	0	0	0	0	0	0	0		0	0
Bromomethane	0	0	0	0	0	0	0		0	0
Vinyl Chloride	0	0	0	0	0	0	0		0	0
Chloroethane	0	0	0	0	0	0	0		0	0
Methylene Chloride	0	0	0	0	0	0	0		0	0
Acetone	0	0	0	0	0	0	0		0	0
Carbon Disulfide	0	0	0	0	0	0	0		0	0
1,1-Dichloroethene	0	0	0	0	0	0	0		0	0
1,1-Dichloroethane	0	0	0	0	0	0	0		0	0
Trans-1,2-Dichloroethene	0	0	0	0	0	0	0		0	0
Chloroform	0	0	0	0	0	0	0		0	0
1,2-Dichloroethane	0	0	0	0	0	0	0		0	0
2-Butanone	0	0	0	0	0	0	0		0	0
1,1,1-Trichloroethane	0	0	0	0	0	0	0		0	0

Table A-32. Inorganic and VOA Data for Dec. 5-10, 1991 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride	0	0	0	0	0	0	0		0	0
Vinyl Acetate	0	0	0	0	0	0	0		0	0
Bromodichloromethane	0	0	0	0	0	0	0		0	0
1,2-Dichloropropane	0	0	0	0	0	0	0		0	0
Trans-1,3-Dichloropropene	0	0	0	0	0	0	0		0	0
Trichloroethene	0	0	0	0	0	0	0		0	0
Dibromochloromethane	0	0	0	0	0	0	0		0	0
1,1,2-Trichloroethane	0	0	0	0	0	0	0		0	0
Benzene	0	0	0	0	0	0	0		0	0
cis-1,3-Dichloropropene	0	0	0	0	0	0	0		0	0
Bromoform	0	0	0	0	0	0	0		0	0
4-Methyl-2-Pentanone	0	0	0	0	0	0	0		0	0
2-Hexanone	0	0	0	0	0	0	0		0	0
Tetrachloroethene	0	0	0	0	0	0	0		0	0
1,1,2,2-Tetrachloroethane	0	0	0	0	0	0	0		0	0
Toluene	0	0	0	0	0	0	0		0	0
Chlorobenzene	0	0	0	0	0	0	0		0	0
Ethylbenzene	0	0	0	0	0	0	0		0	0
Styrene	0	0	0	0	0	0	0		0	0
Total Xylenes	0	0	0	0	0	0	0		0	0
COD	90	50	66	98	62	68	250		76	84
Nitrate	0	0	0	0	0	0	0		0	0
Nitrite	0	0	0	0	0	0	0		0	0
Bicarbonate	823	669	739	613	753	702	676		754	678
Carbonate	35	18	25	16	19	19	23		19	17
Fluoride	0.9	1.4	2.0	1.5	1.2	1.6	1.9		2.7	1.9
Chloride	10.0	4.1	5.5	19.0	4.6	4.4	3.2		5.9	9.7
Bromide	0	0	0	0	0	0	0		0	0
Thiocyanate	0	0	0	0	0	0	0		0	0
Arsenic	0	0	0	0	0	0	0		0	0
Lead	0	0	0	0	0	0	0		0	0

Table A-32. Inorganic and VOA Data for Dec. 5-10, 1991 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Selenium	0	0	0	0	134	0	116		0	0
Mercury	0	0	0	0	0	0	0		0	0
Aluminum	0	0	0	0	0	0	0		0	0
Barium	48	99	33	59	44	56	129		30	26
Calcium	19.50	8.93	5.94	14.40	18.60	11.60	6.69		6.02	8.19
Cadmium	0	0	0	0	0	0	0		0	0
Chromium	0	0	0	0	0	0	0		0	0
Copper	0	0	0	0	0	0	0		0	0
Iron	76	52	15	59	52	42	121		72	85
Potassium	6.50	0	0	7.17	5.60	5.15	0		0	0
Lithium	108	62	54	102	85	71	52		59	62
Magnesium	16.40	4.69	3.25	8.90	17.70	9.02	3.34		3.26	5.09
Molybdenum	22	12	11	12	15	0	0		0	12
Manganese	0	0	0	4	4	0	4		4	0
Sodium	734	587	529	823	567	564	532		535	665
Nickel	0	0	0	0	0	0	0		0	0
Zinc	0	0	0	0	0	0	0		0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	4.1	2.7	2.6	4.1	3.4	3.0	2.8		2.8	3.4
Total Suspended Solids	0	0	0	0	0	0	730		0	0

Table A-32. Inorganic and VOA Data for Dec. 5-10, 1991 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	12/7/91	12/7/91	12/10/91		12/10/91	
Phenolics	0	0	0		0	
Cyanide	0	0	0		0	
Ammonia	3.7	7.2	4.5		6.8	
TOC	40	38	0		0	
TDS	2280	2330	3520		2010	
Sulfide	0	0	0		0	
Sulfate	1100	1100	2400		1200	
Boron	0	0.026	0.662		0.721	
Alkalinity (lab)	755	767	446		301	
Alkalinity (field)	759.0	823.3			357.4	
pH (lab)	8.4	8.1	8.3		8.5	
pH field)	8.25	8.09			8.65	
Eh (field)	125.8	44.1			-16.1	
Conductivity (field)	2360	2220			2760	
Temp. (field)	9.9	8.9			16.9	
Sample Discharge Rate	1.2	1.2			1.1	
Chloromethane	0	0	0		0	
Bromomethane	0	0	0		0	
Vinyl Chloride	0	0	0		0	
Chloroethane	0	0	0		0	
Methylene Chloride	0	0	0		0	
Acetone	0	0	0		0	
Carbon Disulfide	0	0	0		0	
1,1-Dichloroethene	0	0	0		0	
1,1-Dichloroethane	0	0	0		0	
Trans-1,2-Dichloroethene	0	0	0		0	
Chloroform	0	0	0		0	
1,2-Dichloroethane	0	0	0		0	
2-Butanone	0	0	0		0	
1,1,1-Trichloroethane	0	0	0		0	

Table A-32. Inorganic and VOA Data for Dec. 5-10, 1991 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride	0	0	0		0	
Vinyl Acetate	0	0	0		0	
Bromodichloromethane	0	0	0		0	
1,2-Dichloropropane	0	0	0		0	
Trans-1,3-Dichloropropene	0	0	0		0	
Trichloroethene	0	0	0		0	
Dibromochloromethane	0	0	0		0	
1,1,2-Trichloroethane	0	0	0		0	
Benzene	0	0	0		0	
cis-1,3-Dichloropropene	0	0	0		0	
Bromoform	0	0	0		0	
4-Methyl-2-Pentanone	0	0	0		0	
2-Hexanone	0	0	0		0	
Tetrachloroethene	0	0	0		0	
1,1,2,2-Tetrachloroethane	0	0	0		0	
Toluene	0	0	0		0	
Chlorobenzene	0	0	0		0	
Ethylbenzene	0	0	0		0	
Styrene	0	0	0		0	
Total Xylenes	0	0	0		0	
COD	110	100	39		30	
Nitrate	0	0	0		0	
Nitrite	0	0	0		0.04	
Bicarbonate	737	759	438		292	
Carbonate	17	19	7		9	
Fluoride	1.4	0.8	3.0		5.6	
Chloride	12.0	16.0	22.0		53.0	
Bromide	0	0	0.3		0.3	
Thiocyanate	0	0	0		0	
Arsenic	0	0	0		0	
Lead	0	0	0		0	

Table A-32. Inorganic and VOA Data for Dec. 5-10, 1991 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium	0	110	0		144	
Mercury	0	0	0		0	
Aluminum	0	0	0		0	
Barium	61	44	54		23	
Calcium	22.20	67.70	282.00		23.00	
Cadmium	0	0	0		0	
Chromium	0	0	0		0	
Copper	0	0	0		0	
Iron	35	160	1580		332	
Potassium	6.49	11.20	75.50		30.00	
Lithium	102	154	603		474	
Magnesium	17.70	61.90	31.70		6.15	
Molybdenum	16	22	30		45	
Manganese	6	13	352		106	
Sodium	814	672	674		642	
Nickel	0	0	0		0	
Zinc	0	0				
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen	4.1	7.3	4.4		6.9	
Total Suspended Solids	0	0	0		28	

Table A-33. Inorganic and VOA Data for June 10-13, 1992.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	6/12/92	6/12/92	6/12/92				6/11/92	6/11/92	6/11/92	6/12/92
Phenolics	0	0	0				0	0	0	0
Cyanide	0	0	0				0	0	0	0
Ammonia	4.2	7.2	2.8				2.9	3.2	3.8	3.4
TOC	24	0	26				11	32	0	67
TDS	2030	1360	1580				1370	1960	547	2200
Sulfide	0	0	0				0	0	0	0
Sulfate	520	17	520				100	880	880	580
Boron	0	0.055	0				0.050	0.025	0.047	0
Alkalinity (lab)	1120	1150	798				1020	651	452	1110
Alkalinity (field)	1155.6		810.0					651.6	453.6	1119.6
pH (lab)	7.9	9.4	8.1				8.4	8.3	7.8	8.1
pH field)	7.86	9.52	7.98				8.58	8.27	7.31	7.94
Eh (field)	37.7	-52.4	13.6				-22.2	62.9	121.3	-21.0
Conductivity (field)	2400	2050	2090				1950	2620	880	2170
Temp. (field)	11.4	12.2	13.1				11.7	12.2	14.5	11.1
Sample Discharge Rate	1.2		0.9					0.9	0.2	1.2
Chloromethane										
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride										
Acetone										
Carbon Disulfide										
1,1-Dichloroethene										
1,1-Dichloroethane										
Trans-1,2-Dichloroethene										
Chloroform										
1,2-Dichloroethane										
2-Butanone										
1,1,1-Trichloroethane										

Table A-33. Inorganic and VOA Data for June 10-13, 1992 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride										
Vinyl Acetate										
Bromodichloromethane										
1,2-Dichloropropane										
Trans-1,3-Dichloropropene										
Trichloroethene										
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene	21		19					0	0	0
cis-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-Pentanone										
2-Hexanone										
Tetrachloroethene										
1,1,2,2-Tetrachloroethane										
Toluene										
Chlorobenzene										
Ethylbenzene										
Styrene										
Total Xylenes										
COD										
Nitrate	0	0	0				0	0	0	0
Nitrite	0	0	0				0	0	0	0
Bicarbonate	1110	931	788				1020	639	449	1100
Carbonate										
Fluoride	1.1	1.3	1.0				2.0	1.4	0	1.0
Chloride										
Bromide										
Thiocyanate										
Arsenic	0	0	0				0	0	0	0
Lead										

Table A-33. Inorganic and VOA Data for June 10-13, 1992 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Selenium										
Mercury										
Aluminum										
Barium										
Calcium										
Cadmium										
Chromium										
Copper										
Iron										
Potassium										
Lithium										
Magnesium										
Molybdenum										
Manganese	0	0	0				0	0	48	0
Sodium	627	477	512				461	590	96	666
Nickel										
Zinc										
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	4.8	8.6	3.2				3.3	3.8	3.8	5.2
Total Suspended Solids										

Table A-33. Inorganic and VOA Data for June 10-13, 1992 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	6/12/92	6/12/92	6/12/92	6/11/92	6/11/92	6/11/92	6/11/92		6/10/92	6/10/92
Phenolics	0	0	0	0	0	0	0		0	0
Cyanide	0	0	0	0	0	0	0		0	0
Ammonia	3.7	2.6	2.2	3.6	3.2	2.9	2.3		2.4	2.9
TOC	32	14	24	54	22	17	35		52	66
TDS	2000	1610	1400	2380	1550	1660	1410		1470	1840
Sulfide	0	0	0	0	0	0	0		0	0
Sulfate	700	570	360	1200	470	590	400		410	740
Boron	0	0.030	0	0	0	0	0		0.025	0.028
Alkalinity (lab)	907	407	784	670	776	707	731		805	679
Alkalinity (field)	946.8	727.2	799.2	684.0	770.4	716.4	705.6		774.0	709.2
pH (lab)	8.1	8.3	8.4	8.2	8.2	8.3	8.3		8.4	8.2
pH field)	8.08	8.24	8.27	8.32	8.03	8.10	8.29		8.06	8.03
Eh (field)	-13.5	-41.0	50.0	33.3	1.1	42.2	30.1		88.8	16.1
Conductivity (field)	2700	2180	2000	3100	2060	1550	1740		2040	2330
Temp. (field)	12.2	13.5	11.6	10.6	9.4	10.2	10.7		12.6	10.8
Sample Discharge Rate	0.9	1.1	1.2	0.8	1.1	1.1	0.8		0.3	1.1
Chloromethane										
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride										
Acetone										
Carbon Disulfide										
1,1-Dichloroethene										
1,1-Dichloroethane										
Trans-1,2-Dichloroethene										
Chloroform										
1,2-Dichloroethane										
2-Butanone										
1,1,1-Trichloroethane										

Table A-33. Inorganic and VOA Data for June 10-13, 1992 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride										
Vinyl Acetate										
Bromodichloromethane										
1,2-Dichloropropane										
Trans-1,3-Dichloropropene										
Trichloroethene										
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene	0	0	0	0						
cis-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-Pentanone										
2-Hexanone										
Tetrachloroethene										
1,1,2,2-Tetrachloroethane										
Toluene										
Chlorobenzene										
Ethylbenzene										
Styrene										
Total Xylenes										
COD										
Nitrate	0	0	0	0	0	0	0		0	0
Nitrite	0	0	0	0	0	0	0		0	0
Bicarbonate	896	399	766	661	764	694	717		786	669
Carbonate										
Fluoride	1.0	1.4	2.0	1.5	1.3	1.5	1.8		2.3	1.8
Chloride										
Bromide										
Thiocyanate										
Arsenic	0	0	0	0	0	0	0		0	0
Lead										

Table A-33. Inorganic and VOA Data for June 10-13, 1992 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Selenium										
Mercury										
Aluminum										
Barium										
Calcium										
Cadmium										
Chromium										
Copper										
Iron										
Potassium										
Lithium										
Magnesium										
Molybdenum										
Manganese	0	0	0	0	0	0	0		0	0
Sodium	637	498	471	690	464	521	461		474	557
Nickel										
Zinc										
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	4.8	3.1	3.1	4.8	4.4	3.6	3.2		2.6	4.0
Total Suspended Solids										

Table A-33. Inorganic and VOA Data for June 10-13, 1992 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	6/10/92	6/10/92	6/13/92		6/13/92	
Phenolics	0	0	0		0	
Cyanide	0	0	0		0	
Ammonia	3.5	6.9	4.9		6.2	
TOC	72	71	11		0	
TDS	2220	2290	3370		1860	
Sulfide	0	0	0		0	
Sulfate	1030	1060	2010		1020	
Boron	0	0	0.598		0.618	
Alkalinity (lab)	790	759	491		303	
Alkalinity (field)	802.8	813.6	500.4		313.2	
pH (lab)	8.1	8.0	7.9		8.3	
pH field)	8.22	8.03	7.80		8.38	
Eh (field)	12.8	-4.7	-27.7		-34.0	
Conductivity (field)	2020	2110	3700		2540	
Temp. (field)	11.3	11.1	16.4		19.1	
Sample Discharge Rate	1.2	1.1	1.2		1.2	
Chloromethane						
Bromomethane						
Vinyl Chloride						
Chloroethane						
Methylene Chloride						
Acetone						
Carbon Disulfide						
1,1-Dichloroethene						
1,1-Dichloroethane						
Trans-1,2-Dichloroethene						
Chloroform						
1,2-Dichloroethane						
2-Butanone						
1,1,1-Trichloroethane						

Table A-33. Inorganic and VOA Data for June 10-13, 1992 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride						
Vinyl Acetate						
Bromodichloromethane						
1,2-Dichloropropane						
Trans-1,3-Dichloropropene						
Trichloroethene						
Dibromochloromethane						
1,1,2-Trichloroethane						
Benzene				0	0	
cis-1,3-Dichloropropene						
Bromoform						
4-Methyl-2-Pentanone						
2-Hexanone						
Tetrachloroethene						
1,1,2,2-Tetrachloroethane						
Toluene						
Chlorobenzene						
Ethylbenzene						
Styrene						
Total Xylenes						
COD						
Nitrate	0	0	0		0	
Nitrite	0	0	0		0	
Bicarbonate	781	752	488		298	
Carbonate						
Fluoride	1.3	0.9	2.8		6.1	
Chloride						
Bromide						
Thiocyanate						
Arsenic	0	0	0		22	
Lead						

Table A-33. Inorganic and VOA Data for June 10-13, 1992 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium						
Mercury						
Aluminum						
Barium						
Calcium						
Cadmium						
Chromium						
Copper						
Iron						
Potassium						
Lithium						
Magnesium						
Molybdenum						
Manganese	0	12	299		68	
Sodium	672	550	619		518	
Nickel						
Zinc						
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen	4.6	6.6	5.1		7.3	
Total Suspended Solids						

Table A-34. Inorganic and VOA Data for Dec. 3-9, 1992.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	12/9/92	12/9/92	12/9/92				12/8/92	12/8/92	12/8/92	12/9/92
Phenolics	0	0	0				0	0	0	0
Cyanide	0	0	0				0	0	0	0
Ammonia	3.5	7.2	2.6				2.5	3.0	3.7	3.6
TOC	17	11	20				0	27	0	21
TDS	1890	1360	1600				1370	1890	550	2180
Sulfide	0	0	0				0	0	0	0
Sulfate	590	5	540				95	880	94	770
Boron	0.023	0.063	0.023				0.060	0.023	0.033	0
Alkalinity (lab)	936	1163	785				1062	654	443	1124
Alkalinity (field)	949.6		764.3					648.5	424.6	1080.8
pH (lab)	8.3	9.5	8.4				8.6	8.5	7.8	8.2
pH field)	8.64	9.61	8.90				8.77	8.63	7.43	8.14
Eh (field)	-71.0	-35.0	-25.2				11.7	64.9	195.6	-36.6
Conductivity (field)	2480	1910	2180				2020	2620	850	2960
Temp. (field)	9.0	6.3	9.6				5.9	8.2	4.3	7.6
Sample Discharge Rate	1.1		0.8					1.2	0.6	1.1
Chloromethane	0	0	0				0	0	0	0
Bromomethane	0	0	0				0	0	0	0
Vinyl Chloride	0	0	0				0	0	0	0
Chloroethane	0	0	0				0	0	0	0
Methylene Chloride	0	0	0				0	0	0	0
Acetone	0	0	0				0	0	0	0
Carbon Disulfide	0	0	0				0	0	0	0
1,1-Dichloroethene	0	0	0				0	0	0	0
1,1-Dichloroethane	0	0	0				0	0	0	0
Trans-1,2-Dichloroethene	0	0	0				0	0	0	0
Chloroform	0	0	0				0	0	0	0
1,2-Dichloroethane	0	0	0				0	0	0	0
2-Butanone	0	0	0				0	0	0	0
1,1,1-Trichloroethane	0	0	0				0	0	0	0

Table A-34. Inorganic and VOA Data for Dec. 3-9, 1992 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Carbon Tetrachloride	0	0	0				0	0	0	0
Vinyl Acetate							0	0	0	0
Bromodichloromethane	0	0	0				0	0	0	0
1,2-Dichloropropane	0	0	0				0	0	0	0
Trans-1,3-Dichloropropene	0	0	0				0	0	0	0
Trichloroethene	0	0	0				0	0	0	0
Dibromochloromethane	0	0	0				0	0	0	0
1,1,2-Trichloroethane	0	0	0				0	0	0	0
Benzene	13	0	16				0	0	0	0
cis-1,3-Dichloropropene	0	0	0				0	0	0	0
Bromoform	0	0	0				0	0	0	0
4-Methyl-2-Pentanone	0	0	0				0	0	0	0
2-Hexanone	0	0	0				0	0	0	0
Tetrachloroethene	0	0	0				0	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0				0	0	0	0
Toluene	0	0	0				0	0	0	0
Chlorobenzene	0	0	0				0	0	0	0
Ethylbenzene	0	0	0				0	0	0	0
Styrene	0	0	0				0	0	0	0
Total Xylenes	0	0	0				54	97	0	76
COD	65	52	93				0	0	0.5	0
Nitrate	0	0.2	0				0	0	0	0
Nitrite	0	0	0				1024	634	440	1108
Bicarbonate	917	900	767				38	20	3	16
Carbonate	19	261	18				2.2	1.7	0.1	1.3
Fluoride	1.5	1.4	1.2				53.0	11.0	2.1	3.8
Chloride	10.0	53.0	4.7				0.2	0	0	0.2
Bromide	0.1	0.1	0				0	0	0	0
Thiocyanate	0	0	0				0	0	0	0
Arsenic	0	0	0				0	0	0	0
Lead	0	0	0							

Table A-34. Inorganic and VOA Data for Dec. 3-9, 1992 (Cont.).

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Selenium	0	0	0				0	0	0	0
Mercury	0	0	0				0	0	0	0
Aluminum	0	0	0				0	0	0	0
Barium	69	81	78				188	45	80	53
Calcium	14.00	2.15	9.44				6.66	10.30	59.30	21.40
Cadmium	0	0	0				0	0	0	0
Chromium	0	0	0				0	0	0	0
Copper	0	0	0				0	0	0	0
Iron	66	27	106				45	42	461	95
Potassium	6.48	17.00	0				8.27	5.59	8.49	7.15
Lithium	96	112	75				94	81	49	126
Magnesium	7.05	2.33	5.33				4.26	5.31	29.30	16.00
Molybdenum	0	0	0				0	0	0	0
Manganese	0	0	0				0	4	52	5
Sodium	602	535	528				504	615	100	648
Nickel	0	0	0				0	0	0	0
Zinc	0	0	0				0	0	0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	4.5	7.6	3.3				3.0	3.4	3.6	4.1
Total Suspended Solids	0	0	0				0	0	0	0

Table A-34. Inorganic and VOA Data for Dec. 3-9, 1992 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	12/9/92	12/8/92	12/8/92	12/8/92	12/7/92	12/7/92	12/7/92		12/3/92	2/4/92
Phenolics	0	0	0	0	0	0	0		0	0
Cyanide	0	0	0	0	0	0	0		0	0
Ammonia	3.4	2.5	2.1	3.3	3.0	2.8	2.3		2.3	2.8
TOC	53	27	44	34	32	15	21		27	34
TDS	2080	1610	1420	2320	1550	1620	1460		1460	1840
Sulfide	0	0	0	0	0	0	0		0	0
Sulfate	750	600	370	1200	470	600	420		420	820
Boron	0	0	0	0	0	0	0		0	0
Alkalinity (lab)	891	691	758	667	810	713	672		740	654
Alkalinity (field)	891.7	690.9	748.8	644.6	752.7	698.7	679.4		729.5	644.6
pH (lab)	8.2	8.4	8.5	8.4	8.4	8.4	8.5		8.5	8.3
pH field)	8.35	8.37	8.41	8.45	8.42	8.38	8.40		8.51	8.38
Eh (field)	-35.3	-57.4	-1.6	56.5	6.7	71.7	13.9		49.1	58.0
Conductivity (field)	2200	2030	1800	3060	2110	1970	1910		2070	2320
Temp. (field)	8.3	11.6	10.6	10.0	8.0	8.9	8.9		6.9	10.3
Sample Discharge Rate	1.1	1.0	1.2	1.2	1.1	1.1	0.5		0.4	1.1
Chloromethane	0	0	0	0	0	0	0		0	
Bromomethane	0	0	0	0	0	0	0		0	
Vinyl Chloride	0	0	0	0	0	0	0		0	
Chloroethane	0	0	0	0	0	0	0		0	
Methylene Chloride	0	0	0	0	0	0	0		0	
Acetone	0	0	0	0	0	0	0		38	
Carbon Disulfide	0	0	0	0	0	0	0		0	
1,1-Dichloroethene	0	0	0	0	0	0	0		0	
1,1-Dichloroethane	0	0	0	0	0	0	0		0	
Trans-1,2-Dichloroethene	0	0	0	0	0	0	0		0	
Chloroform	0	0	0	0	0	0	0		0	
1,2-Dichlcroethane	0	0	0	0	0	0	0		0	
2-Butanone	0	0	0	0	0	0	0		0	
1,1,1-Trichloroethane	0	0	0	0	0	0	0		0	

Table A-34. Inorganic and VOA Data for Dec. 3-9, 1992 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Carbon Tetrachloride	0	0	0	0	0	0	0		0	
Vinyl Acetate										
Bromodichloromethane	0	0	0	0	0	0	0		0	
1,2-Dichloropropane	0	0	0	0	0	0	0		0	
Trans-1,3-Dichloropropene	0	0	0	0	0	0	0		0	
Trichloroethene	0	0	0	0	0	0	0		0	
Dibromochloromethane	0	0	0	0	0	0	0		0	
1,1,2-Trichloroethane	0	0	0	0	0	0	0		0	
Benzene	0	0	0	0	0	0	0		0	
cis-1,3-Dichloropropene	0	0	0	0	0	0	0		0	
Bromoform	0	0	0	0	0	0	0		0	
4-Methyl-2-Pentanone	0	0	0	0	0	0	0		0	
2-Hexanone	0	0	0	0	0	0	0		0	
Tetrachloroethene	0	0	0	0	0	0	0		0	
1,1,2,2-Tetrachloroethane	0	0	0	0	0	0	0		0	
Toluene	0	0	0	0	0	0	0		0	
Chlorobenzene	0	0	0	0	0	0	0		0	
Ethylbenzene	0	0	0	0	0	0	0		0	
Styrene	0	0	0	0	0	0	0		0	
Total Xylenes	0	0	0	0	0	0	0		0	
COD	89	58	67	79	77	56	75		69	99
Nitrate	0	0	0	0	0	0	0		0	0
Nitrite	0	0	0	0	0	0	0		0	0
Bicarbonate	877	676	735	651	790	698	652		717	641
Carbonate	14	15	21	15	19	15	20		23	13
Fluoride	0.9	1.4	2.2	1.4	1.3	1.6	1.9		2.7	1.9
Chloride	7.7	3.5	4.8	16.0	4.7	4.4	3.1		6.2	9.3
Bromide	0	0	0	0.1	0	0	0		0	0
Thiocyanate	0	0	0	0	0	0	0		0	0
Arsenic	0	0	0	0	0	0	0		0	0
Lead	0	0	0	0	0	0	0		0	0

Table A-34. Inorganic and VOA Data for Dec. 3-9, 1992 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Selenium	0	0	0	0	0	0	0		0	0
Mercury	0	0	0	0	0	0	0		0	0
Aluminum	0	0	0	0	0	0	81		0	0
Barium	51	105	32	61	93	56	127		38	36
Calcium	19.60	9.85	6.13	15.40	20.50	12.30	6.81		6.24	9.63
Cadmium	0	0	0	0	0	0	0		0	0
Chromium	0	0	0	0	0	0	0		0	0
Copper	0	0	0	0	0	0	0		0	0
Iron	93	73	40	62	71	57	90		78	117
Potassium	6.48	5.14	0	6.48	6.03	0	0		0	5.36
Lithium	114	79	59	114	96	75	59		61	79
Magnesium	15.40	4.80	3.11	8.88	18.40	9.05	3.41		3.17	5.78
Molybdenum	0	0	0	0	0	0	0		0	0
Manganese	0	0	0	4	4	0	0		0	4
Sodium	628	559	480	714	494	540	476		495	621
Nickel	0	0	0	0	0	0	0		0	0
Zinc	0	0	0	0	0	0	0		0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	4.8	3.3	3.1	4.4	3.9	3.4	3.0		3.3	4.2
Total Suspended Solids	0	0	0	0	0	0	0		0	0

Table A-34. Inorganic and VOA Data for Dec. 3-9, 1992 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	12/4/92	12/7/92	12/9/92		12/9/92	
Phenolics	0	0	0		0	
Cyanide	0	0	0		0	
Ammonia	3.2	7.5	4.5		6.7	
TOC	35	37	0		0	
TDS	2130	2240	3500		1900	
Sulfide	0	0	0		0	
Sulfate	960	1100	2300		1140	
Boron	0	0	0.561		0.586	
Alkalinity (lab)	791	785	500		312	
Alkalinity (field)	768.1	775.9	467.1		297.2	
pH (lab)	8.4	8.2	8.0		8.5	
pH field)	8.31	8.10	8.03		8.55	
Eh (field)	-6.0	93.1	-49.9		-66.9	
Conductivity (field)	2420	2770	2650		1750	
Temp. (field)	9.0	10.5	14.1		16.9	
Sample Discharge Rate	1.3	1.1	1.2		1.1	
Chloromethane	0	0	0		0	
Bromomethane	0	0	0		0	
Vinyl Chloride	0	0	0		0	
Chloroethane	0	0	0		0	
Methylene Chloride	0	0	0		0	
Acetone	15	0	0		0	
Carbon Disulfide	0	0	0		0	
1,1-Dichloroethene	0	0	0		0	
1,1-Dichloroethane	0	0	0		0	
Trans-1,2-Dichloroethene	0	0	0		0	
Chloroform	0	0	0		0	
1,2-Dichloroethane	0	0	0		0	
2-Butanone	0	0	0		0	
1,1,1-Trichloroethane	0	0	0		0	

Table A-34. Inorganic and VOA Data for Dec. 3-9, 1992 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride	0	0	0		0	
Vinyl Acetate						
Bromodichloromethane	0	0	0		0	
1,2-Dichloropropane	0	0	0		0	
Trans-1,3-Dichloropropene	0	0	0		0	
Trichloroethene	0	0	0		0	
Dibromochloromethane	0	0	0		0	
1,1,2-Trichloroethane	0	0	0		0	
Benzene	0	0	0		0	
cis-1,3-Dichloropropene	0	0	0		0	
Bromoform	0	0	0		0	
4-Methyl-2-Pentanone	0	0	0		0	
2-Hexanone	0	0	0		0	
Tetrachloroethene	0	0	0		0	
1,1,2,2-Tetrachloroethane	0	0	0		0	
Toluene	0	0	0		0	
Chlorobenzene	0	0	0		0	
Ethylbenzene	0	0	0		0	
Styrene	0	0	0		0	
Total Xylenes	0	0	0		0	
COD	113	105	41		38	
Nitrate	0	0	0		0	
Nitrite	0	0	0		0	
Bicarbonate	772	772	438		292	
Carbonate	19	13	7		9	
Fluoride	1.4	0.8	3.3		6.7	
Chloride	10.0	12.0	20.0		26.0	
Bromide	0	0	0.2		0.3	
Thiocyanate	0	0	0		0	
Arsenic	0	0	0		0	
Lead	0	0	0		0	

Table A-34. Inorganic and VOA Data for Dec. 3-9, 1992 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium	0	0	0		0	
Mercury	0	0	0		0	
Aluminum	0	0	0		0	
Barium	68	50	45		22	
Calcium	21.20	74.30	244.00		20.60	
Cadmium	0	0	0		0	
Chromium	0	0	0		0	
Copper	0	0	0		0	
Iron	65	166	1300		175	
Potassium	6.48	11.20	62.80		26.80	
Lithium	104	163	564		415	
Magnesium	15.90	67.10	28.30		5.21	
Molybdenum	0	0	0		18	
Manganese	5	13	301		70	
Sodium	675	561	638		553	
Nickel	0	0	0		0	
Zinc	0	0	0		0	
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen	4.3	7.4	5.0		6.6	
Total Suspended Solids	0	0	0		0	

Table A-35. Silver and Vanadium Analyses (µg/L).

Well	Sampling Period													
	Silver							Vanadium						
	Jun-88	Mar-89	Sep-89	Dec-89	Dec-90	Dec-91	Dec-92	Aug-87	Jun-88	Mar-89	Sep-89	Dec-89	Dec-90	Dec-91	Dec-92
EMW-1		0		0	0	0	0	0		0		0	0	0	0
EMW-2		0		0	0	0	0			29		0	0	0	0
EMW-3		0		0	0	0	0	0		0		0	0	0	0
EMW-4		0		0				0		0		0			
EMW-5								0							
EMW-6		0						0		0					
EMW-8		0		0	0	0	0			14		0	0	0	0
EMW-9		0		0	0	0	0	0		0		0	0	0	0
EMW-10		0		0	0	0	0	0		0		0	0	0	0
EMW-11a		0		0	0	0	0	0		0		0	0	0	0
TW-2		0		0	0	0	0	0		0		0	0	0	0
TW-3		0		0	0	0	0	0		0		0	0	0	0
TW-4		0		0	0	0	0	0		0		0	0	0	0
TW-5		0		0	0	0	0	0		0		0	0	0	0
TW-11		0		0	0	0	0			0		0	0	0	0
TW-12		0		0	0	0	0			0		0	0	0	0
TW-13		0		0	0	0	0			0		0	0	0	0
TW-14a		0		0						0		0			
TW-15		0		0	0	0	0			0		0	0	0	0
TW-16		0		0	0	0	0			0		0	0	0	0
TW-17		0		0	0	0	0			0		0	0	0	0
TW-18		0		0	0	0	0			0		0	0	0	0
VIW-1	0	0	0	0	0	0	0		11	0	0	0	0		0
CCW-1/CPW-2		0	9	0	0	0	0			10	11	0	0		0

Table A-36. Excursion Sample Data for Dec 19-20, 1987.

Parameter	EMW-11a	TW-2	TW-3	TW-12	TW-17	TW-18
Date	12/19/87	12/19/87	12/19/87	12/20/87	12/20/87	12/20/87
Phenolics	0	0	0	0	0	0
Cyanide	0	0	0	0	0	0
Ammonia	3.8	4.1	2.6	2.6	3.3	7.4
TOC	46	39	37	21	30	53
TDS	2450	2700	1640	1620	2370	3170
Sulfide	0	0	2.5	0	0	0
Sulfate	1200	1300	450	560	1000	1700
Boron	0	0	0	0.027	0	0.016
Alkalinity (lab)	740	662	883	716	808	717
Alkalinity (field)	746.6	709.2	900.3	697.4	811.6	695.4
pH (lab)						
pH field)	7.81	7.02	6.92	8.06	7.82	7.63
Eh (field)	38.6	-93.9	-11.0	296.5	60.2	
Conductivity (field)	3330	3840	2140	2210	3430	3170
Temp. (field)	8.2	8.2	8.4	8.4	7.7	7.7
Sample Discharge Rate	1.0	1.0	0.9	0.9	1.2	1.0

Table A-37. Excursion Sample Data for Jan. 3-4, 1988.

Parameter	EMW-3	TW-2	TW-11	TW-17	TW-18
Date	1/4/88	1/4/88	1/4/88	1/3/88	1/3/88
Phenolics	0	0	0	0	0
Cyanide	0	0	0	0	0
Ammonia	3.0	5.0	3.2	3.7	7.7
TOC	46	49	34	51	52
TDS	1810	3170	1640	2490	3260
Sulfide	0	0	0	0	0
Sulfate	400	1600	400	930	1400
Boron	0.019	0.015	0.021	0.021	0.022
Alkalinity (lab)	938	735	878	805	690
Alkalinity (field)	980.4		927.3		
pH (lab)					
pH field)	6.09	6.40	6.44	7.17	7.17
Eh (field)	-59.4	-134.5	-168.3	-80.6	-87.2
Conductivity (field)	2340	4020	2135	3160	3880
Temp. (field)	8.5	8.0	9.5	8.1	9.2
Sample Discharge Rate	0.9	1.0	1.0	1.0	0.9

Table A-38. Excursion Sample Data for Jan. 14, 1988.

Parameter	EMW-11a	TW-2	TW-17	TW-18
Date	1/14/88	1/14/88	1/14/88	1/14/88
Phenolics	0	0	0	0
Cyanide	0	0	0	0
Ammonia	5.2	5.3	3.7	8.4
TOC	66	53	47	56
TDS	2580	3020	2450	3030
Sulfide	0	0	0	0
Sulfate	830	1400	990	1600
Boron	0	0.015	0.020	0.024
Alkalinity (lab)	1120	791	745	682
Alkalinity (field)	1158.2	838.1	764.4	721.7
pH (lab)				
pH field)	6.09	6.18	7.11	6.83
Eh (field)	174.1	-89.4	26.1	192.1
Conductivity (field)	3480	3890	3280	3820
Temp. (field)	8.0	8.0	8.0	8.4
Sample Discharge Rate	1.0	1.0	1.0	1.0

Table A-39. Excursion Sample Data for Jan. 20-21,1988.

Parameter	EMW-11a	TW-2	TW-17	TW-18
Date	1/21/88	1/21/88	1/20/88	1/21/88
Phenolics	0	0	0	0
Cyanide	0	0	0	0
Ammonia	4.6	5.5	3.8	8.5
TOC	86	70	57	62
TDS	2600	2880	2440	3040
Sulfide	0	0	0	0
Sulfate	990	1200	1100	1600
Boron	0.016	0.015	0.019	0.013
Alkalinity (lab)	919	896	737	673
Alkalinity (field)	993.2	935.1	776.8	768.2
pH (lab)				
pH field)	6.33	6.25	7.41	6.90
Eh (field)	44.4	24.8	-91.2	-0.5
Conductivity (field)	3340	3760	3210	3650
Temp. (field)	9.5	8.5	11.3	9.4
Sample Discharge Rate	0.9	0.9	0.9	1.0

Table A-40. Excursion Sample Data for Jan. 30, 1988.

Parameter	EMW-11a	TW-2
Date	1/30/88	1/30/88
Phenolics	0	0
Cyanide	0	0
Ammonia	3.3	4.4
TOC	51	50
TDS	2510	2920
Sulfide	0	0
Sulfate	1080	1200
Boron	0.011	0
Alkalinity (lab)	890	958
Alkalinity (field)	921.6	962.4
pH (lab)		
pH field)	6.36	6.14
Eh (field)	31.2	96.2
Conductivity (field)	3485	3950
Temp. (field)	8.3	7.4
Sample Discharge Rate	1.0	0.9

Table A-41. Semi-Volatile Analysis Parameters and Detection Limits.

Parameter	Limit (µg/L)	Parameter	Limit (µg/L)
Phenol	10	2,4-Dinitrophenol	50
bis(2-Chloroethyl) ether	10	4-Nitrophenol	50
2-Chlorophenol	10	Dibenzofuran	10
1,3-Dichlorobenzene	10	2,4-Dinitrotoluene	10
1,4-Dichlorobenzene	10	2,6-Dinitrotoluene	10
1,2-Dichlorobenzene	10	Diethylphthalate	10
2-Methylphenol	10	4-Chlorophenyl-phenylether	10
2,2'-oxybis(1-Chloropropane)	10	Fluorene	10
4-Methylphenol	10	4-Nitroaniline	25
N-Nitroso-di-n-propylamine	10	4,6-Dinitro-2-methylphenol	50
Hexachloroethane	10	N-nitrosodiphenylamine	10
Nitrobenzene	10	4-Bromophenyl-phenylether	10
Isophorone	10	Hexachlorobenzene	10
2-Nitrophenol	10	Pentachlorophenol	50
2,4-Dimethylphenol	10	Phenanthrene	10
bis(2-Chloroethoxy) methane	10	Anthracene	10
2,4-Dichlorophenol	10	Carbazole	10
1,2,4-Trichlcrobenzene	10	Di-n-butylphthalate	10
Naphthalene	10	Fluoranthene	10
4-Chloroaniline	10	Pyrene	10
Hexachlorobutadiene	10	Butylbenzylphthalate	10
4-Chloro-3-methylphenol	10	3,3'-Dichlorobenzidine	20
2-Methylnaphthalene	10	Benzo(a)anthracene	10
Hexachlorocyclopentadiene	10	bis(2-Ethylhexyl)phthalate	10
2,4,6-Trichlorophenol	10	Chrysene	10
2,4,5-Trichlorophenol	50	Di-n-octylphthalate	10
2-Chloronaphthalene	10	Benzo(b)fluoranthene	10
2-Nitroaniline	50	Benzo(k)fluoranthene	10
Dimethylphthalate	10	Benzo(a)pyrene	10
Acenaphthylene	10	Indeno(1,2,3-cd)pyrene	10
3-Nitroaniline	50	Dibenz(a,h)anthracene	10
Acenaphthene	10	Benzo(g,h,i)perylene	10

Table A-42. Samples Analyzed for Semi-Volatile Materials.

Well	Sampling Period													
	Aug-86	Oct-86	Dec-86	Mar-87	Aug-87	Mar-88	Jun-88	Sep-88	Mar-89	Sep-89	Dec-89	Dec-90	Dec-91	Dec-92
EMW-1	X	X	X	X	X	X			X		X	X	X	X
EMW-2	X					X			X		X	X	X	X
EMW-3	X	X	X	X	X	X			X		X	X	X	X
EMW-4		X	X	X	X	X			X		X			
EMW-5		X	X	X	X	X								
EMW-6	X	X		X	X	X			X					
EMW-7	X	X												
EMW-8	X					X			X		X	X	X	X
EMW-9	X	X	X	X	X	X			X		X	X	X	X
EMW-10	X	X	X	X	X	X			X		X	X	X	X
EMW-11a	X	X	X	X	X	X			X		X	X	X	X
TW-2	X	X	X	X	X	X			X		X	X	X	X
TW-3	X	X	X	X	X	X			X		X	X	X	X
TW-4	X	X	X	X	X	X			X		X	X	X	X
TW-5	X	X	X	X	X	X			X		X	X	X	X
TW-11									X		X	X	X	X
TW-12									X		X	X	X	X
TW-13									X		X	X	X	X
TW-14a									X		X			
TW-15									X		X	X	X	X
TW-16								X	X		X	X	X	X
TW-17									X		X	X	X	X
TW-18									X		X	X	X	X
VIW-1						X	X		X	X	X	X	X	X
CCW-1/CPW-2									X	X	X	X	X	X

Table A-43. Semi-Volatile Material Values (µg/L) Above Detection Limits.

Date-Parameter	VIW-1	EMW-1	EMW-2	EMW-3	EMW-6	EMW-7	EMW-8	EMW-9	EMW-10	TW-2	TW-3	TW-12	TW-15
Aug-86													
bis(2-Ethylhexyl)phthalate		24	381	63	32	102	39	88	78	61	80		
Mar-88													
Phenol	3100												
2-Methylphenol	550												
4-Methylphenol	1700												
2,4-Dimethylphenol	420												
Naphthalene	640												
2-Methylnaphthalene	360												
Phenanthrene	200												
Jun-88													
2,4-Dimethylphenol	17												
Naphthalene	18												
Dec-89													
Di-n-octylphthalate												26	
Dec-90													
bis(2-Ethylhexyl)phthalate													20