APPENDIX A.

Groundwater Sampling Data

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GROUNDWATER SAMPLING DATA

General

Groundwater samples were collected before, during, and after the field experiments were conducted at RM1. This period was from August 1986 through December 1992. The parameters analyzed varied over the study period, but generally followed the schedule described in Section 2.2 of Volume I. Sampling of the same wells was consistent, except for a few wells that inadvertently became inaccessible down hole over time.

The data presented here are categorized as groundwater level elevations, inorganic materials, volatile organic materials, and semivolatile materials. In addition to the regular sampling events, selected sampling was done with regard to product gas excursions during the field tests. The data from the August 1986 sampling are included and were used in the evaluation of effects on groundwater. However, there was some concern that the samples for this sampling event may have been contaminated.

The data have been printed in previous reports. Copies of field sampling record sheets are not included herein because of their unwieldy bulk. These sheets have also been printed in previous reports.

Those data indicated below have been stored on hard disk using Microsoft® Excel and are available on floppy disk, from V. Smith at Western Research Institute, J. Evans at Gas Research Institute, U. Sharum, at the U.S. Department of Energy, and C. Schmit at the University of North Dakota Energy and Environmental Research Center.

Groundwater Level Elevations

These have been compiled in one file arranged in a two-dimensional array by well and by observation date. Values, to the nearest tenth of a foot, are listed in Table A-1.

Inorganic and Volatile Organic Materials

Field measurements (except water levels), inorganic analysis, and volatile organic analysis (VOA) data have been compiled in two-dimensional array files by well and by parameter. Each file comprises a sampling event. An event usually covers several days, so the sample date for each well is included as a parameter.

The data fields are consistent between these files. That is, all wells and all parameters are in the same columns and rows, even though certain wells or analyses were added or discontinued during the study period. Thus, data are readily compared or correlated between files.

The value of zero, with no decimal point, stored in these files does not mean that the value is actually zero. It indicates that the parameter was below detection limits. Blanks indicate no measurement. These conventions facilitate evaluation of the data.

The majority of the VOA data are below detection limits. However, the data are included in the files in order to indicate when and for which locations these analyses were made.

The units and detection limits for the parameters are shown in Table A-2. In a few instances, the detection limit changed over the study period. For example, the detection limit of manganese changed from 5 to 3 μg/L. To be conservative, the higher detection limits are listed. However, if one notes a value of 4 μg/L for manganese in the more recent data, it is a valid number.

The inorganic and volatile organic materials data are listed in Tables A-3 through A-34. The phenolics parameter in these data includes all of the various coal-derived phenolic compounds such as phenol, cresols, ethyl phenols, and so forth. It is not just the single chemical compound phenol which is used to calibrate the analytical equipment. Data for wells CPW-2 and CCW-1 are stored and listed in the same column because the latter replaced the former in the same location after the former well collapsed.

A few analyses were made for beryllium, silver, and vanadium, but these data are not included in the files. Beryllium was analyzed for the August 1987 sampling event at wells EMW-1, EMW-3, EMW-4, EMW-5, EMW-6, EMW-9, EMW-10, EMW-11A, TW-2, TW-3, TW-4, and TW-5. In each sample, beryllium was below the detection limit of 10 μg/L. Analyses data for silver and vanadium are given in Table A-35. The same conventions apply for this table as for the other data tables. The detection limits for silver and vanadium were 10 μg/L prior to 1989 and 7 μg/L and 8 μg/L, respectively, thereafter.

Excursion Sample Data

When certain chemical parameters indicated the need for additional information during the field operations, additional samples were collected and analyzed. This information is the excursion data. They are stored in the same format and with the same conventions as the inorganic and volatile organic materials files. Data for the wells sampled and parameters measured are given in Tables A-36 through A-40.

Semivolatile Materials

Because of the relatively infrequent occurrence of semivolatile analysis materials, these data were not stored on computer file. Table A-41 shows the parameters and detection limits for these materials. In earlier year's analyses, benzyl alcohol and benzoic acid were also analyzed for (not detected), but carbazole was not. Analysis events are shown in Table A-42. Values measured above detection limits are shown in Table A-43. Reading across these three tables, one can determine those semivolatile materials that were analyzed, but not detected. For example, phenol was analyzed for at EMW-1 on 11 sampling events, but was never detected.

Table A-1. Observed Groundwater Elevations at RM1.

Date	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-7	EMW-8	EMW-9	EMW-10	EMW-11a	TW-2
7/29/86	6888.6	6928.3	6889.9	6869.2	6892.8	6908.4	6882.4		6882.6	6866.5	6884.1	6883.2
8/29/86	6883.6	6965.6	6891.8		6980.5	6901.8	6880.9		6881.0	6866.7	6881.6	6882.7
10/6/86												
10/7/86												
10/8/86												
10/9/86												
10/10/86			6902.1				6911.5					6913.8
10/11/86												
10/12/86	6913.2											
10/13/86					6908.5							
10/14/86				6869.4							6906.0	
10/15/86						6926.7		6935.8	6913.6	6866.8		
10/16/86		6863.3										
12/2/86												
12/3/86												
12/4/86			6919.6									
12/5/86											6917.4	6908.9
12/6/86									6916.2	6868.5		
12/7/86	6913.5			6871.4	6918.5							
1/22/87	6913.8	6858.9	6914.9	6869.6	6911.7		6960.4	6718.7	6912.1	6867.0	6912.4	6911.9
3/2/87	6915.0		6916.1	6868.9	6883.0	6923.4		6740.5	6913.2	6868.1	6913.6	6915.0
4/17/87	6914.1	6882.3	6915.2	6869.8	6912.1	6920.8	6912.7	6759.6	6912.4	6867.1	6912.7	6912.2
6/24/87	6913.0	6892.8	6914.2	6869.9	6910.8	6923.5	6911.7	6784.9	6911.3	6867.2	6911.6	6911.2
8/17/87												
8/18/87												
8/19/87			6910.3									
8/20/87						6923.7				6868.0	6907.5	
8/23/87												
8/24/87	6909.0				6907.2							
11/13/87	6898.8		6899.3						6897.2		6897.1	6899.2
12/6/87										6869.7		

Table A-1. Observed Groundwater Elevations at RM1 (Cont.).

Date	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-7	EMW-8	EMW-9	EMW-10	EMW-11a	TW-2
12/7/87				6873.9	6883.0				6851.8			
12/8/87												
12/9/87												
12/16/87				6868.9	6863.6	6940.5			6828.8	6868.4		
12/17/87												6841.0
12/18/87	6834.0		6839.0								6829.2	
12/19/87											6825.3	6838.4
12/20/87												
12/29/87			6867.6	6867.7	6862.3	6923.2		6831.0	6840.0	6865.8		6839.5
1/5/88						6932.6			6830.8	6867.8		
1/6/88				6868.9	6849.5							
1/7/88												
1/8/88			6824.3								6816.4	6824.0
1/14/88											6823.8	6845.6
1/15/88			6832.0	6868.9	6843.3	6924.7		6836.4	6822.8	6867.7	6823.8	6839.6
1/17/88			6830.5	6869.3	6843.0	6922.8		6836.7	6813.8	6861.9	6817.2	6827.2
1/25/88			6822.5	6868.7	6832.2	6924.6		6838.1	6790.2	6867.7	6804.7	6831.9
2/2/88		6908.2	6826.0	6869.2	6830.0	6925.0		6839.3	6791.0	6868.2	6797.8	6827.0
2/11/88												
2/12/88						6925.3			6767.0	6867.8		
2/13/88				6868.8	6812.3							
2/14/88			6800.1									
2/16/88											6772.0	6817.0
2/17/88												
2/22/88												
2/23/88						6923.6			6774.3	6868.1		
2/24/88				6868.9	6811.5							
2/25/88			6813.0								6775.0	6793.9
2/26/88												
3/18/88	6689.0											6697.9
3/30/88	6683.3	6900.6	6691.6	6869.3	6724.6	6922.4	6960.4	6840.2	6692.4	6866.1	6687.0	6692.7

Table A-1. Observed Groundwater Elevations at RM1 (Cont.).

Date	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-7	EMW-8	EMW-9	EMW-10	EMW-11a	TW-2
3/31/88		6901.6		6870.7		6924.4						
4/1/88					6724.9							
4/2/88												
4/3/88									6694.3			
4/4/88			6692.5									
4/5/88											6685.1	6694.3
4/6/88	6678.9											
11/16/88	6680.0		6689.0						6686.0		6681.0	6687.0
11/28/88	6739.0		6749.0						6734.0		6735.0	6774.0
12/2/89	6849.3	6775.8	6851.5	6868.0		6927.7		6697.2	6847.4	6868.6	6847.8	6846.0
3/21/90	6871.6	6803.5	6872.8	6869.6		6927.8		6717.3	6870.3	6868.7	6870.3	6870.1
6/21/90	6881.4	6731.9	6882.6	6869.8		6937.7		6733.6	6880.1	6869.0	6880.0	6879.9
9/4/90	6886.5	6759.7	6887.6	6870.1		6937.8		6745.8	6884.8	6869.2	6885.2	6884.9
12/1/90	6886.3	6788.7	6887.4	6871.4		6928.2		6757.3	6884.9	6869.9	6884.9	6885.7
6/17/91	6894.2	6843.7	6895.3	6872.5		6938.5		6780.3	6892.9	6870.9	6892.9	6893.7
12/5/91	6898.3	6874.4	6899.5	6873.2		6928.7		6795.1	6897.1	6871.1	6897.0	6897.8
6/10/92	6901.1	6895.9	6902.2	6873.7		6928.9		6806.4	6899.9	6871.4	6899.8	6900.6
12/3/92	6903.3	6909.0	6904.4	6874.6		6929.1		6815.2	6902.0	6872.3	6901.9	6902.8

Table A-1. Observed Groundwater Elevations at RM1 (Cont.).

Date	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14	TW-14a	TW-15	TW-16	TW-17	TW-18
7/29/86	6828.8	6900.1	6882.4	6893.1	6898.5	6892.2			6880.2	6880.7		
8/29/86	6876.7	6882.9	6880.7	6888.5	6893.6	6888.6		6902.8	6887.3	6878.4	6875.2	6887.2
10/6/86												
10/7/86				6910.9								6912.2
10/8/86									6901.9	6908.0	6908.4	
10/9/86	6900.1					6915.9	6915.0					
10/10/86												
10/11/86		6917.3	6910.6									
10/12/86												
10/13/86												
10/14/86												
10/15/86												
10/16/86												
12/2/86				6922.9	6922.3	6916.8						
12/3/86									6915.9	6911.8	6912.6	6916.4
12/4/86	6903.8							6922.0				
12/5/86			6919.4									
12/6/86		6920.8										
12/7/86												
1/22/87	6904.5	6913.4		6915.6	6915.7	6914.8	6950.7	6913.0	6910.7	6909.5	6912.9	6915.0
3/2/87	6915.7	6914.6	6913.3	6916.8	6916.8	6915.9	6879.8	6914.2	6912.0	6910.7	6914.1	6916.3
4/17/87	6904.8	6913.7	6912.4	6915.7	6915.7	6915.0	6880.1	6913.4	6910.9	6909.8	6913.2	6915.2
6/24/87	6903.8	6912.6	6911.3	6914.9	6915.0	6914.1	6876.9	6912.4	6910.0	6908.4	6912.3	6914.4
8/17/87						6910.3						
8/18/87				6916.1						6902.4	6911.0	
8/19/87	6899.9							6908.2	6905.7			
8/20/87			6907.2									
8/23/87		6908.5										
8/24/87												
11/13/87	6899.6	6897.2	6895.9	6902.0	6903.9	6900.5	6867.0		6895.8	6893.3	6898.1	6900.4
12/6/87												

Table A-1. Observed Groundwater Elevations at RM1 (Cont.).

Date	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14	TW-14a	TW-15	TW-16	TW-17	TW-18
12/7/87			6851.3									
12/8/87		6843.1			6879.3							
12/9/87						6876.8		6850.8	6856.0	6860.9		
12/16/87												
12/17/87	6840.6	6830.8	6834.8	6846.2	6853.0	6843.3		6829.6	6831.8	6845.2	6832.7	6845.6
12/18/87												
12/19/87	6828.8											
12/20/87					6855.4						6831.8	6843.0
12/29/87	6842.0	6838.5	6841.0	6851.3	6860.4	6849.5		6839.1	6740.9	6841.6	6843.7	
1/5/88												
1/6/88												
1/7/88		6816.7	6822.5									
1/8/88	6828.4											
1/14/88											6824.1	6848.4
1/15/88		6821.4	6824.9	6846.3	6855.6	6842.3		6819.0	6822.2	6825.1	6824.1	6848.4
1/17/88	6829.1	6807.6	6816.0	6839.5	6851.4	6835.8	6861.0	6819.8	6823.5	6826.1	6824.4	6841.0
1/25/88	6840.5	6786.9	6793.1	6827.9	6846.4	6825.6	6857.9	6791.9	6796.7	6802.8	6808.9	6853.9
2/2/88	6819.8	6785.8	6792.5	6832.5	6844.5	6824.2	6855.3	6794.3	6798.4	6803.3	6805.6	6844.9
2/11/88					6826.1	6803.8		6772.3	6779.1	6785.0		
2/12/88			6766.8									
2/13/88	6795.6	6767.2										
2/14/88												
2/16/88											6781.7	6812.7
2/17/88				6808.4								
2/22/88					6827.4	6807.9		6777.1	6780.1	6785.3		
2/23/88			6772.2									
2/24/88	6799.3	6766.2										
2/25/88											6784.0	
2/26/88				6813.9								6820.3
3/18/88												6734.9
3/30/88	6679.1	6687.3	6694.4	6723.5	6751.8	6719.0	6950.7	6693.5	6702.8	6710.5	6699.0	6730.0

Table A-1. Observed Groundwater Elevations at RM1 (Cont.).

Date	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14	TW-14a	TW-15	TW-16	TW-17	TW-18
3/31/88												
4/1/88									6703.6	6711.5		
4/2/88					6752.7	6717.3		6694.1				
4/3/88			6694.8	6725.4								
4/4/88	6690.0	6687.1										
4/5/88											6697.8	6728.9
4/6/88												
11/16/88	6687.0	6684.0	6688.0	6715.0	6737.0	6709.0	6805.0	6688.0	6692.0	696.0	6688.0	6714.0
11/28/88	6749.0	6735.0	6734.0	6756.0	6771.0	6756.0	6808.0	6734.0	6731.0	6731.0	6733.0	6752.0
12/2/89	6851.3	6848.1	6847.5	6852.7	6855.3	6852.7	6847.5	6848.1	6846.7	6845.9	6848.6	6851.1
3/21/90	6872.5	6871.1	6870.3	6873.2	6874.6	6873.3	6862.7	6871.2	6870.0	6869.1	6870.9	6872.2
6/21/90	6882.3	6881.0	6880.1	6883.1	6884.4	6881.2	6868.0	6381.0	6879.8	6878.7	6880.9	6882.0
9/4/90	6887.3	6886.1	6885.3	6888.1	6889.5	6888.2	6870.8	6886.2	6885.0	6882.9	6886.0	6887.1
12/1/90	6887.1	6885.7	6885.0	6888.0	6889.5	6888.1	6870.9	6885.8	6884.7	6883.8	6885.8	6887.2
6/17/91	6895.0	6893.4	6893.0	6896.0	6897.5	6896.0	6875.1	6893.9	6892.7	6891.7	6893.8	6895.1
12/5/91	6899.1	6898.0	6897.3	6900.2	6901.5	6900.0	6877.1	6898.1	6896.9	6895.9	6897.0	6899.4
6/10/92	6901.8	6900.7	6899.9	6903.0	6904.3	6902.8	6878.6	6900.8	6899.7	6898.6	6900.7	6902.3
12/3/92	6903.9	6902.8	6902.1	6905.1	6906.2	6904.7	6879.4	6902.9	6901.8	6900.9	6901.5	

Table A-1. Observed Groundwater Elevations at RM1 (Cont.).

Date	VIW-1	CPW-1	CCW-1/ CPW-2	VIW-2
7/29/86				
8/29/86				
10/6/86				
10/7/86				
10/8/86				
10/9/86				
10/10/86				
10/11/86				
10/12/86				
10/13/86				
10/14/86				
10/15/86				
10/16/86				
12/2/86				
12/3/86				
12/4/86				
12/5/86				
12/6/86				
12/7/86				
1/22/87				
3/2/87				
4/17/87				
6/24/87				
8/17/87				
8/18/87				
8/19/87				
8/20/87				
8/23/87				
8/24/87				
11/13/87				
12/6/87				

Table A-1. Observed Groundwater Elevations at RM1 (Cont.).

Date	VIW-1	CPW-1	CCW-1/ CPW-2	VIW-2
12/7/87				
12/8/87				
12/9/87				
12/16/87				
12/17/87				
12/18/87				
12/19/87				
12/20/87				
12/29/87				
1/5/88				
1/6/88				
1/7/88				
1/8/88				
1/14/88				
1/15/88				
1/17/88				
1/25/88				
2/2/88				
2/11/88				
2/12/88				
2/13/88				
2/14/88				
2/16/88				
2/17/88				
2/22/88				
2/23/88				
2/24/88				
2/25/88				
2/26/88				
3/18/88				
3/30/88	6686.2			

Table A-1. Observed Groundwater Elevations at RM1 (Cont.).

Date	VIW-1	CPW-1	CCW-1/ CPW-2	VIW-2
3/31/88				
4/1/88				
4/2/88				
4/3/88				
4/4/88				
4/5/88				
4/6/88	6683.9			
11/16/88	6682.0			6683.0
11/28/88	6733.0			6734.0
12/2/89	6847.6		6850.4	
3/21/90	6871.0		6871.9	6871.5
6/21/90	6880.8		6881.7	6881.3
9/4/90	6886.0		6886.7	6886.4
12/1/90	6885.7		6886.3	6885.9
6/17/91	6893.5		6895.0	
12/5/91	6897.8		6898.7	
6/10/92	6900.4		6901.8	
12/3/92	6905.0		6904.0	

Table A-2. Units and Detection Limits for Inorganic and VOA Data.

Parameter	Units	Limit	Parameter	Units	Limit
Date			Vinyl Acetate	µg/L	10
Phenolics	mg/L	0.02	Bromodichloromethane	µg/L	5
Cyanide	mg/L	0.02	1,2-Dichloropropane	µg/L	5
Ammonia	mg/L	0.2	Trans-1,3-Dichloropropene	µg/L	5
TOC	mg/L	10	Trichloroethene	µg/L	5
TDS	mg/L		Dibromochloromethane	µg/L	5
Sulfide	mg/L	1	1,1,2-Trichloroethane	µg/L	5
Sulfate	mg/L	5	Benzene	µg/L	5
Boron	mg/L	0.02	cis-1,3-Dichloropropene	µg/L	5
Alkalinity (lab)	meq $CaCO_3$	10	Bromoform	µg/L	5
Alkalinity (field)	meq $CaCO_3$		4-Methyl-2-Pentanone	µg/L	10
pH (lab)			2-Hexanone	µg/L	10
pH field)			Tetrachloroethene	µg/L	5
Eh (field)	mV		1,1,2,2-Tetrachloroethane	µg/L	5
Conductivity (field)	µmhos/cm		Toluene	µg/L	5
Temp. (field)	°C		Chlorobenzene	µg/L	5
Sample Discharge Rate	gpm		Ethylbenzene	µg/L	5
Chloromethane	µg/L	10	Styrene	µg/L	5
Bromomethane	µg/L	10	Total Xylenes	µg/L	5
Vinyl Chloride	µg/L	10	COD	mg/l	50
Chloroethane	µg/L	10	Nitrate	mg/l	0.03
Methylene Chloride	µg/L	5	Nitrite	mg/l	0.03
Acetone	µg/L	10	Bicarbonate	mg/l	10
Carbon Disulfide	µg/L	5	Carbonate	mg/l	1
1,1-Dichloroethene	µg/L	5	Fluoride	mg/l	0.5
1,1-Dichloroethane	µg/L	5	Chloride	mg/l	2
Trans-1,2-Dichloroethene	µg/L	5	Bromide	mg/l	5
Chloroform	µg/L	5	Thiocyanate	mg/l	0.5
1,2-Dichloroethane	µg/L	5	Arsenic	µg/L	5
2-Butanone	µg/L	10	Lead	µg/L	5
1,1,1-Trichloroethane	µg/L	5	Selenium	µg/L	5
Carbon Tetrachloride	µg/L	5	Mercury	µg/L	0.2

Table A-2. Units and Detection Limits for Inorganic and VOA Data (Cont.).

Parameter	Units	Limit
Aluminum	µg/L	45
Barium	µg/L	10
Calcium	mg/L	0.01
Cadmium	µg/L	10
Chromium	µg/L	10
Copper	µg/L	10
Iron	µg/L	10
Potassium	mg/L	5
Lithium	µg/L	10
Magnesium	mg/L	0.005
Molybdenum	µg/L	10
Manganese	µg/L	5
Sodium	mg/L	0.06
Nickel	µg/L	20
Zinc	µg/L	10
Cations	meq/L	
Anions	meq/L	
SAR		
Total Kjeldahl Nitrogen	mg/L	0.1
Total Suspended Solids	mg/L	10

Table A-3. Inorganic and VOA Data For Aug. 29-31, 1986.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	8/29/86	8/29/86	8/30/86			8/31/86	8/31/86	8/31/86	8/31/86	8/30/86
Phenolics	0	0	0			0	0	0	0.021	0
Cyanide	0	0	0			0	0	0	0	0
Ammonia	2.5	0	0			2.7	0	2.3	0.6	2.7
TOC	20	0	0			20	0	20	0	30
TDS	1500	240	200			1700	160	1500	100	1600
Sulfide	0	0	0			0	0	0	0	0
Sulfate	440	45	40			550	30	480	35	570
Boron	0	0.019	0.014			0.057	0.019	0.026	0.027	0
Alkalinity (lab)	780	160	140			790	100	730	40	760
Alkalinity (field)	616.3	376.6	171.2			701.8	68.5	564.9	17.1	855.9
pH (lab)						8.9				8.3
pH field)	7.15	7.25	6.90			8.20	7.60	7.90	8.10	7.05
Eh (field)	40.0	140.0	90.0			100.0	120.0	110.0	100.0	160.0
Conductivity (field)	2400	300	410			2000	260	1800	160	2250
Temp. (field)	10.6	11.1	12.2			10.0	10.0	10.0	10.0	12.2
Sample Discharge Rate	5.0		3.0			1.5	20.0	7.0		6.0
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	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			6	0	0	0	0

Table A-3. Inorganic and VOA Data For Aug. 29-31, 1986 (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	66	0	0			65	0	58	0	81
Nitrate	0	0.03	0			0.24	0.25	0.23	0.27	0
Nitrite	0	0	0			0	0	0	0	0
Bicarbonate	770	150	140			735	100	710	33	746
Carbonate	11	7	0			55	0	17.0	6.0	14.0
Fluoride	1.1	0.3	0.2			1.9	0.2	1.2	0.2	0.9
Chloride	8.0	14.0	2.4			16.0	2.0	8.3	3.2	4.7
Bromide	0	0	0			0	0	0	0	0
Thiocyanate	0	0	0			0	0	0	0	0
Arsenic	0	0	0			5	0	0	0	0
Lead	0	0	0			0	0	0	0	0

Table A-3. Inorganic and VOA Data For Aug. 29-31, 1986 (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										
Aluminum	0	0	0			0	0	0	36	0
Barium	42	58	68			102	55	75	42	27
Calcium	7.04	37.70	48.20			10.90	37.60	7.24	9.07	8.47
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	34	0	21			33	16	82	0	52
Potassium	5.24	0	0			19.8	0	5.04	9.63	6.17
Lithium	61	0	0			73	0	53	22	74
Magnesium	4.96	6.64	7.58			3.52	6.76	3.24	3.48	5.65
Molybdenum	15	0	0			11	0	0	0	13
Manganese	0	0	0			9	0	0	0	6
Sodium	560	13	7			574	7	483	15	615
Nickel	0	0	0			0	0	0	0	0
Zinc	21	0	32			0	13	13	0	0
Cations	25.08									
Anions	27.99									
SAR	59.4									
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-3. Inorganic and VOA Data For Aug. 29-31, 1986 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	8/29/86	8/29/86	8/29/86	8/30/86	8/30/86	8/30/86	8/30/86	8/31/86	8/30/86	8/30/86
Phenolics	0	0	0	0	0	0	0	0	0	0
Cyanide	0	0	0	0						
Ammonia	3.3	0	1.7	2.5	0	0.2	2.3	1.1	1.9	0.2
TOC	30		20	30	0	0	20	10	20	0
TDS	1800	150	380	1400	220	380	1400	700	1200	280
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	680	41	100	390	45	85	320	100	250	50
Boron	0.012	0.014	0.014	0.016	0.018	0.014	0.023	0.023	0.028	0.020
Alkalinity (lab)	680	140	250	750	140	210	750	450	630	170
Alkalinity (field)	804.6	154.1	256.8	547.8	154.1	530.7	308.1	359.5	393.7	428.0
pH (lab)										
pH field)	7.20	7.10	7.20	7.15	7.80	7.90	8.10	8.00	7.80	7.70
Eh (field)	160.0	200.0	120.0	-90.0	100.0	125.0	110.0	120.0	75.0	55.0
Conductivity (field)	2200	390	780	1990	400	800	1975	1920	1210	1900
Temp. (field)	12.8	12.2	12.2	12.2	10.6	10.0	10.6	10.0	11.1	12.2
Sample Discharge Rate	5.0	5.0	4.0	4.0	3.0	4.0	4.0	0.3	5.0	5.0
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-3. Inorganic and VOA Data For Aug. 29-31, 1986 (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	97	0	73	72						
Nitrate	0	0	0	0	0	0	0	0	0	0
Nitrite	0	0	0	0						
Bicarbonate	670	140	250	730	140	210	720	430	600	170
Carbonate	10.0	0	2.0	17.0						
Fluoride	0.7	0.2	0.4	0.9	0.2	0.3	1.0	0.8	1.0	0.3
Chloride	7.1	2.9	2.7	4.0	2.4	2.5	3.5	3.2	4.7	2.0
Bromide	0	0	0	0	0	0	0	0	0	0
Thiocyanate	0	0	0	0						
Arsenic	0	0	0	0						
Lead	0	0	0	0						

Table A-3. Inorganic and VOA Data For Aug. 29-31, 1986 (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						
Mercury										
Aluminum	0	33	0	0						
Barium	30	67	57	23						
Calcium	11.10	52.90	34.90	6.68						
Cadmium	0	0	0	0						
Chromium	0	0	0	0						
Copper	0	0	0	0						
Iron	66	25	0	789						
Potassium	6.25	0	0	0						
Lithium	77	0	21	48						
Magnesium	7.87	8.19	6.55	3.31						
Molybdenum	15	0	0	16						
Manganese	6	0	0	24	0	0	0	0	0	0
Sodium	588	7	196	466	5	79	447	205	358	332
Nickel	0	0	0	0						
Zinc	12	0	16	13						
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-3. Inorganic and VOA Data For Aug. 29-31, 1986 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	8/30/86	8/30/86				8/31/86
Phenolics	0	0				0
Cyanide						0
Ammonia	2.7	7.0				2.2
TOC	20	40				20
TDS	1200	1162				1400
Sulfide	0	0				0
Sulfate	80	80				290
Boron	0.032	0.018				0.015
Alkalinity (lab)	910	730				810
Alkalinity (field)	205.4	119.8				821.7
pH (lab)						
pH field)	7.95	8.00				7.70
Eh (field)	90.0	110.0				60
Conductivity (field)	560	360				1800
Temp. (field)	10.6	10.6				10.0
Sample Discharge Rate	7.0	5.0				4.0
Chloromethane						0
Bromomethane						0
Vinyl Chloride						0
Chloroethane						0
Methylene Chloride						0
Acetone						0
Carbon Disulfide						0
1,1-Dichloroethene						0
1,1-Dichloroethane						0
Trans-1,2-Dichloroethene						0
Chloroform						0
1,2-Dichloroethane						0
2-Butanone						0
1,1,1-Trichloroethane						0

Table A-3. Inorganic and VOA Data For Aug. 29-31, 1986 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride						0
Vinyl Acetate						0
Bromodichloromethane						0
1,2-Dichloropropane						0
Trans-1,3-Dichloropropene						0
Trichloroethene						0
Dibromochloromethane						0
1,1,2-Trichloroethane						0
Benzene						0
cis-1,3-Dichloropropene						0
Bromoform						0
4-Methyl-2-Pentanone						0
2-Hexanone						0
Tetrachloroethene						0
1,1,2,2-Tetrachloroethane						0
Toluene						0
Chlorobenzene						0
Ethylbenzene						0
Styrene						0
Total Xylenes						0
COD						65
Nitrate	0	0				0
Nitrite						0
Bicarbonate	1097	720				790
Carbonate						15.0
Fluoride	0.8	0.6				1.0
Chloride	9.5	6.6				6.9
Bromide	0	0				0
Thiocyanate						0
Arsenic						0
Lead						0

Table A-3. Inorganic and VOA Data For Aug. 29-31, 1986 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium						0
Mercury						
Aluminum						0
Barium						99
Calcium						6.77
Cadmium						0
Chromium						0
Copper						0
Iron						48
Potassium						0
Lithium						55
Magnesium						3.45
Molybdenum						13
Manganese	0	0				0
Sodium	368	190				548
Nickel						0
Zinc						17
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen						
Total Suspended Solids						

Table A-4. Inorganic and VOA Data for Oct. 6-16, 1986.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	10/12/86	10/16/86	10/10/86	10/14/86	10/13/86	10/15/87	10/15/88	10/15/89	10/15/90	10/14/86
Phenolics	0		0	0	0	0		0	0	0
Cyanide	0		0	0	0	0		0	0	0
Ammonia	2.7		2.7	4.5	2.7	4.5		2.5	3.1	2.9
TOC	27		35	10	21	16		26	0	31
TDS	1430		1500	1020	1500	2250		1440	500	1530
Sulfide	0		0	0		0		0	0	0
Sulfate	420		420	200	500	890		410	87	510
Boron	0		0.018	0.063	0.033	0.046		0.013	0.030	0
Alkalinity (lab)	850		843		765	952		834	423	819
Alkalinity (field)	775.0		750.0		673.0	885.0		779.0		756.0
pH (lab)										
pH field)	8.70		8.47	7.66	8.56	8.37		8.37	7.81	8.34
Eh (field)		438.0	34.0							
Conductivity (field)	2184	147	2108	2523	1832	2768		2049	739	2833
Temp. (field)	9.5	8.4	9.4	10.0	9.7	10.6		10.1	8.6	9.2
Sample Discharge Rate	1.2	0.8	1.0	0.3	1.1	0.8	0.9	1.1	0.7	1.0
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	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-4. Inorganic and VOA Data for Oct. 6-16, 1986 (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	56		71	0	100	56		63	0	74
Nitrate	0		0	0	0	0		0	0	0
Nitrite	0		0	0	0	0		0	0	0
Bicarbonate	1019		1019	938	923	1150		1010	515	933
Carbonate	8.4		4.2	0.6	4.8	6.6		3.6	0.6	3.0
Fluoride	1.0		0.9	0	1.4	1.6		1.1	0	0.9
Chloride	4.0		4.1	7.3	7.0	34.0		6.2	2.3	4.3
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

Table A-4. Inorganic and VOA Data for Oct. 6-16, 1986 (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		0	0	253	0		0	0	0
Barium	58		45	34	16	0		20	87	23
Calcium	7.14		6.38	13.60	4.14	16.53		4.77	42.40	9.50
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	52		145	597	539	224		77	103	42
Potassium	6.43		0	7.42	5.17	7.68		5.00	17.00	5.30
Lithium	66		57	109	60	91		59	52	70
Magnesium	4.87		4.28	6.47	2.44	4.87		2.78	22.50	6.69
Molybdenum	47		49	47	17	51		46	29	20
Manganese	0		0	12	8	8		0	16	0
Sodium	478		459	368	496	655		500	120	509
Nickel	0		0	0	0	0		0	0	0
Zinc	0		0	0	0	0		0	0	0
Cations	21.72		20.64	17.43	22.13	30.21		22.35	9.63	23.30
Anions	25.85		25.72	19.77	25.90	38.61		25.39	10.33	27.10
SAR	33.9		34.5	20.6	47.8	36.4		45.0	3.7	30.9
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-4. Inorganic and VOA Data for Oct. 6-16, 1986 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	10/10/86	10/9/86	10/11/86	10/11/86	10/7/86	10/6/96	10/9/86	10/9/86	10/8/86	10/8/86
Phenolics	0	0	0	0	0	0	0	0	0	0
Cyanide	0									
Ammonia	3.4	2.6	2.4	2.7	3.7	2.9	2.4	2.5	2.6	2.4
TOC	36	30	27	28	35	25	32	28	30	30
TDS	1800	1450	1410	1500	1480	1470	1420	1360	1420	2060
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	680	360	390	450	520	500	440	350	430	480
Boron	0	0	0	0.011	0	0	0.016	0.020	0.023	0.019
Alkalinity (lab)	766	858	814	802	790	761	771	842	809	
Alkalinity (field)	714.0	796.0	771.0	726.0	756.0	724.0	743.0	806.0	726.0	714.0
pH (lab)										
pH field)	8.54	8.57	8.60	8.77	8.20	8.70	8.56	9.23	9.24	8.69
Eh (field)	78.0	51.0	51.0		210.0	141.0	111.0	4.0	73.0	261.0
Conductivity (field)	2426	3186	1898	1961	3437	3458	3367	3296	3297	3645
Temp. (field)	9.3	10.0	9.8	7.9	10.5	10.4	10.2	9.5	9.9	12.4
Sample Discharge Rate	0.9	0.8	0.8	0.8	1.0	0.9	0.8	1.0	0.5	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-4. Inorganic and VOA Data for Oct. 6-16, 1986 (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	87	71	73	73						
Nitrate	0	0	0	0	0	0	0	0	0	0
Nitrite	0	0	0	0						
Bicarbonate	922	1033	980	965	956	918	928	991	951	
Carbonate	6.0	6.6	6.0	6.6						
Fluoride	0.7	0.9	1.2	1.0	1.0	1.6	1.9	2.8	2.4	1.7
Chloride	5.4	3.5	4.7	4.5				3.2	4.7	2.0
Bromide	0	0	0	0					0	0
Thiocyanate	0	0	0	0						
Arsenic	0	0	0	0						
Lead	0	0	0	0						

Table A-4. Inorganic and VOA Data for Oct. 6-16, 1986 (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						
Mercury	0	0	0	0						
Aluminum	0	0	0	0						
Barium	27	71	27	24						
Calcium	10.20	6.42	5.59	6.35						
Cadmium	0	0	0	0						
Chromium	0	0	0	0						
Copper	0	0	0	0						
Iron	115	76	63	87						
Potassium	5.30	0	0	0						
Lithium	75	47	54	53						
Magnesium	7.95	4.27	3.20	3.35						
Molybdenum	43	47	34	42						
Manganese	0	0	0	0	0	0	0	0	0	0
Sodium	488	384	469	448	451	459	407	395	415	441
Nickel	0	0	0	0						
Zinc	0	0	0	0						
Cations	22.53	17.38	20.94	20.08						
Anions	29.63	24.75	24.53	25.53						
SAR	27.8	28.8	39.2	35.8						
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-4. Inorganic and VOA Data for Oct. 6-16, 1986 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	10/8/86	10/7/86				10/10/86
Phenolics	0	0				0
Cyanide						
Ammonia	3.0	7.7				2.4
TOC	35	43				26
TDS	1730	2720				1450
Sulfide	0	0				0
Sulfate	630	1400				360
Boron	0	0.011				0
Alkalinity (lab)	798	678				861
Alkalinity (field)	745.0	638.0				779.0
pH (lab)						
pH field)	8.60	7.90				8.62
Eh (field)	228.0	119.0				41.0
Conductivity (field)	2699	4927				1840
Temp. (field)	10.1	10.8				8.9
Sample Discharge Rate	0.7	1.0				1.0
Chloromethane						0
Bromomethane						0
Vinyl Chloride						0
Chloroethane						0
Methylene Chloride						0
Acetone						0
Carbon Disulfide						0
1,1-Dichloroethene						0
1,1-Dichloroethane						0
Trans-1,2-Dichloroethene						0
Chloroform						0
1,2-Dichloroethane						0
2-Butanone						0
1,1,1-Trichloroethane						0

Table A-4. Inorganic and VOA Data for Oct. 6-16, 1986 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride						0
Vinyl Acetate						0
Bromodichloromethane						0
1,2-Dichloropropane						0
Trans-1,3-Dichloropropene						0
Trichloroethene						0
Dibromochloromethane						0
1,1,2-Trichloroethane						0
Benzene						0
cis-1,3-Dichloropropene						0
Bromoform						0
4-Methyl-2-Pentanone						0
2-Hexanone						0
Tetrachloroethene						0
1,1,2,2-Tetrachloroethane						0
Toluene						0
Chlorobenzene						0
Ethylbenzene						0
Styrene						0
Total Xylenes						0
COD						74
Nitrate	0	0				0
Nitrite						0
Bicarbonate	965	824				1038
Carbonate						6.0
Fluoride	1.4	0.6				1.1
Chloride	9.5	6.6				5.0
Bromide	0	0				0
Thiocyanate						0
Arsenic						0
Lead						0

Table A-4. Inorganic and VOA Data for Oct. 6-16, 1986 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium						0
Mercury						0
Aluminum						0
Barium						35
Calcium						5.88
Cadmium						0
Chromium						0
Copper						0
Iron						68
Potassium						0
Lithium						48
Magnesium						3.42
Molybdenum						51
Manganese	0	0				0
Sodium	370	492				435
Nickel						0
Zinc						0
Cations						19.50
Anions						24.85
SAR						35.4
Total Kjeldahl Nitrogen						
Total Suspended Solids						

Table A-5. Inorganic and VOA Data for Dec. 2-7, 1986.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	12/7/86		12/4/86	12/7/86	12/7/86			12/6/86	12/6/86	12/5/86
Phenolics	0		0	0	0			0	0	0
Cyanide	0		0	0	0			0	0	0
Ammonia	3.0		3.0	4.6	2.8			2.6	3.8	3.1
TOC	31		27	0	25			28	0	30
TDS	1510		1500	1020	1510			1480	570	1600
Sulfide	0		0	0	0			0	0	0
Sulfate	400		420	190	470			390	90	480
Boron	0		0	0.056	0			0	0.050	0
Alkalinity (lab)	827		796	712	714			776	438	770
Alkalinity (field)	828.0		855.4	721.0	721.0			795.0	465.0	772.2
pH (lab)										
pH field)	8.87		8.60	7.93	8.76			8.60	7.83	8.30
Eh (field)	28.0		45.0	71.0	-65.0			59.0	153.0	73.0
Conductivity (field)	1999		1902	1494	1867			2008	902	2214
Temp. (field)	6.6		8.6	5.6	6.4			6.6	5.4	9.1
Sample Discharge Rate	1.2		1.3	0.9	0.9			1.3	0.8	1.3
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-5. Inorganic and VOA Data for Dec. 2-7, 1986 (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	0		0	0	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	68		75	0	101			64	0	83
Nitrate	0		0	0	0			0	0	0
Nitrite	0		0	0	0			0	0	0
Bicarbonate	989		949	866	860			936	533	932
Carbonate	9.6		10.8	1.2	5.4			5.4	0.6	3.6
Fluoride	1.2		0.8	0	1.5			1.4	0	1.1
Chloride	3.9		3.7	7.9	7.3			5.1	2.2	3.9
Bromide	0		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-5. Inorganic and VOA Data for Dec. 2-7, 1986 (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	99		58	41	21			23	81	25
Calcium	9.90		8.30	17.00	5.50			6.40	52.00	9.90
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	76		154	1320	901			100	214	85
Potassium	5.9		5	0	5			5	11	5
Lithium	67		62	103	58			52	49	66
Magnesium	5.4		5.1	7.6	2.8			3.3	28.0	6.8
Molybdenum	0		0	0	0			0	0	0
Manganese	0		0	16	17			0	34	0
Sodium	551		567	359	566			499	117	584
Nickel	0		0	0	0			0	0	0
Zinc	0		0	0	0			0	0	0
Cations	25.10		25.51	17.12	25.15			22.29	10.28	26.05
Anions	24.97		24.75	18.42	24.27			23.77	10.69	25.49
SAR	34.4		38.0	18.3	49.2			39.9	3.2	36.8
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-5. Inorganic and VOA Data for Dec. 2-7, 1986 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	12/5/86	12/4/86	12/6/86	12/5/86	12/2/86	12/2/86	12/2/86	12/4/86	12/3/86	12/3/86
Phenolics	0	0	0	0	0	0	0	0	0	0
Cyanide	0	0	0	0						
Ammonia	3.5	2.8	2.5	2.6	4.1	3.1	2.6	2.6	2.7	2.7
TOC	42	31	32	28	26	25	32	22	23	20
TDS	1770	1960	1450	1500	1600	1560	1480	1410	1470	1560
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	620	350	370	430	500	490	430	340	410	430
Boron	0	0	0	0	0	0	0	0	0	0
Alkalinity (lab)	731	670	779	771	763	731	735	789	744	747
Alkalinity (field)	722.7	807.8	776.0	787.0	752.4	730.0	763.0	794.4	748.8	772.6
pH (lab)										
pH field)	8.30	8.60	8.53	8.19	8.80	9.05	9.10	8.80	9.02	8.75
Eh (field)	71.0	73.0	60.0	70.0	82.0	104.0	127.0	86.0	61.0	91.0
Conductivity (field)	2080	1882	2102	2103	1540	1622	1800	1655	1567	1917
Temp. (field)	9.3	8.8	6.5	9.2	7.8	7.4	7.6	8.8	7.1	7.6
Sample Discharge Rate	1.2	1.3	1.0	1.2	1.2	1.2	1.3	1.0	1.3	1.3
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-5. Inorganic and VOA Data for Dec. 2-7, 1986 (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	96	73	70	77						
Nitrate	0	0	0	0	0	0	0	0	0	0
Nitrite	0	0	0	0						
Bicarbonate	883	817	941	931	927	886	889	950	895	902
Carbonate	4.2	0.6	4.8	4.8						
Fluoride	0.9	1.5	1.5	1.3	1.1	1.3	1.9	2.6	2.4	1.8
Chloride	4.7	10.0	4.0	4.1						
Bromide	0	0	0	0						
Thiocyanate	0	0	0	0						
Arsenic	0	0	0	0						
Lead	0	0	0	0						

Table A-5. Inorganic and VOA Data for Dec. 2-7, 1986 (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						
Mercury	0	0	0	0						
Aluminum	0	0	0	0						
Barium	28	80	28	21						
Calcium	11.80	8.20	6.40	6.40						
Cadmium	0	0	0	0						
Chromium	0	0	0	0						
Copper	0	0	0	0						
Iron	116	92	86	86						
Potassium	5	5	5	5						
Lithium	80	57	51	54						
Magnesium	8.6	5.0	3.4	3.7						
Molybdenum	0	0	0	0						
Manganese	0	0	0	0	0	0	0	0	0	0
Sodium	605	544	499	545	527	569	548	531	548	550
Nickel	0	0	0	0						
Zinc	0	0	0	0						
Cations	27.62	24.48	22.30	24.34						
Anions	27.65	20.69	23.39	24.49						
SAR	32.6	36.9	39.6	42.2						
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-5. Inorganic and VOA Data for Dec. 2-7, 1986 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	12/3/86	12/3/86				
Phenolics	0	0				
Cyanide						
Ammonia	3.2	7.8				
TOC	26	37				
TDS	1820	2650				
Sulfide	0	0				
Sulfate	580	1200				
Boron	0	0				
Alkalinity (lab)	755	673				
Alkalinity (field)	778.0	685.0				
pH (lab)						
pH field)	8.69	8.27				
Eh (field)	122.0	114.0				
Conductivity (field)	2055	2828				
Temp. (field)	7.5	7.6				
Sample Discharge Rate	1.3	1.3				
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-5. Inorganic and VOA Data for Dec. 2-7, 1986 (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						
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				
Nitrite						
Bicarbonate	914	817				
Carbonate						
Fluoride	1.4	0.6				
Chloride						
Bromide						
Thiocyanate						
Arsenic						
Lead						

Table A-5. Inorganic and VOA Data for Dec. 2-7, 1986 (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	0				
Sodium	618	673				
Nickel						
Zinc						
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen						
Total Suspended Solids						

Table A-6. Inorganic and VOA Data for March 3-10,1987.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	3/10/87		3/6/87	3/10/87	3/10/87	3/8/87		3/9/87	3/9/87	3/6/87
Phenolics	0		0	0	0	0		0	0	0
Cyanide	0		0	0	0	0		0	0	0
Ammonia	3.0		2.9	4.7	2.8	4.2		2.6	3.9	2.9
TOC	18		27	0	20	81		11	0	27
TDS	1690		1550	1040	1540	2360		1510	600	1640
Sulfide	0		0	0	0	0		0	0	0
Sulfate	490		360	170	470	850		350	85	460
Boron	0.020		0.017	0.071	0.037	0.037		0	0.042	0.011
Alkalinity (lab)	802		820	724	733	876		810	468	781
Alkalinity (field)										
pH (lab)	8.5		8.5	7.6	8.8	8.0		7.7	7.2	8.5
pH field)	8.47		8.49	7.75	8.82	7.96		7.74	7.15	8.51
Eh (field)	-42.0		118.0	175.0	-145.0	483.0		246.0	238.0	179.0
Conductivity (field)	3202		701	3947	5034	1651		2066	880	637
Temp. (field)	9.3		9.6	8.4	8.7	9.6		9.6	9.8	9.8
Sample Discharge Rate	1.0		1.0	0.6	1.0	12.0		0.8	0.6	1.0
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	12		0	0	0
Acetone	0		0	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-6. Inorganic and VOA Data for March 3-10,1987 (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	61		83	0	75	310		62	0	76
Nitrate	0		0	0	0	0		0	0	0
Nitrite	0		0	0	0	0		0	0	0
Bicarbonate	959		988	877	872	1041		970	569	938
Carbonate	9.0		6.0	3.0	10.8	13.8		9.6	1.2	7.2
Fluoride	1.0		0.8	0.3	1.5	1.6		1.1	0.2	0.9
Chloride	6.8		3.3	7.1	7.7	35.1		4.5	2.1	3.2
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-6. Inorganic and VOA Data for March 3-10,1987 (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		0	0	160	142		0	0	0
Barium	64		63	38	18	0		27	72	28
Calcium	9.80		9.00	17.60	5.70	7.70		6.40	53.30	10.20
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	86		145	1690	1060	38		93	291	85
Potassium	0		0	5.4	0	6.3		0	10	0
Lithium	63		56	99	57	86		53	49	63
Magnesium	6.1		5.3	8	2.7	5.6		3.4	28.4	6.9
Molybdenum	0		0	0	0	0		0	0	0
Manganese	0		0	17	15	0		0	41	0
Sodium	633		590	391	597	885		564	130	596
Nickel	0		0	0	0	0		0	0	0
Zinc	0		0	0	0	25		0	0	0
Cations	28.50		26.50	18.80	26.50	39.60		25.10	26.50	27.00
Anions	26.40		24.00	18.20	24.70	36.20		23.60	11.20	25.30
SAR	39.2		38.5	19.4	51.5	59.3		44.7	3.6	35.3
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-6. Inorganic and VOA Data for March 3-10,1987 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	3/7/87	3/5/87	3/7/87	3/7/87	3/4/87	3/4/87	3/3/87	3/6/87	3/5/87	3/5/87
Phenolics	0	0	0	0	0	0	0	0	0	0
Cyanide	0	0	0	0						
Ammonia	3.5	2.8	2.6	2.7	4.0	3.1	2.5	2.5	2.6	2.6
TOC	32	19	14	26	33	26	21	26	25	23
TDS	1860	1470	1460	1550	1620	1580	1520	1440	1490	1540
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	660	320	370	430	470	440	400	300	430	420
Boron	0.016	0.016	0.014	0.012	0	0	0.013	0.016	0.028	0.011
Alkalinity (lab)	745	837	801	787	769	748	735	803	748	737
Alkalinity (field)										
pH (lab)	8.5	8.4	8.4	8.5	8.3	8.4	8.6	8.9	8.6	8.3
pH field)	8.48	8.35	8.41	8.49	8.31	8.42	8.62	8.90	8.57	8.32
Eh (field)	122.0	138.0	118.0	154.0	204.0	192.0	133.0	73.0	154.0	165.0
Conductivity (field)	2305	1596	1569	1859	1826	1950	1796	657	1644	1229
Temp. (field)	9.7	9.5	10.9	10.1	8.7	8.1	9.1	9.3	9.5	9.9
Sample Discharge Rate	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.1	1.0	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-6. Inorganic and VOA Data for March 3-10,1987 (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	88	78	90	62						
Nitrate	0	0	0	0	0	0	0	0	0	0
Nitrite	0	0	0	0						
Bicarbonate	395	1005	959	944	932	903	886	956	892	888
Carbonate	6.6	7.8	8.4	7.2						
Fluoride	0.7	0.9	1.1	0.9	1.3	1.4	1.9	2.4	2.3	2
Chloride	4.5	3.1	3.5	3.7						
Bromide	0	0	0	0						
Thiocyanate	0	0	0.7	0						
Arsenic	0	0	0	0						
Lead	0	0	0	0						

Table A-6. Inorganic and VOA Data for March 3-10,1987 (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						
Mercury	0	0	0	0						
Aluminum	0	0	0	0						
Barium	32	84	27	25						
Calcium	12.50	9.00	6.60	6.70						
Cadmium	0	0	0	0						
Chromium	0	0	0	0						
Copper	0	0	0	0						
Iron	140	119	86	91						
Potassium	5.02	0	0	0						
Lithium	77	57	50	55						
Magnesium	8.8	5.3	3.5	3.9						
Molybdenum	0	0	0	0						
Manganese	0	0	0	0	6.0	0	0	0	0	0
Sodium	650	536	568	571	525	560	545	530	560	560
Nickel	0	0	0	0						
Zinc	0	0	0	0						
Cations	29.80	24.20	25.30	25.50						
Anions	28.80	23.50	23.80	24.80						
SAR	34.4	35.1	44.6	43.4						
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-6. Inorganic and VOA Data for March 3-10,1987 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	3/4/87	3/5/87				
Phenolics	0	0				
Cyanide						
Ammonia	3.1	7.8				
TOC	30	37				
TDS	1770	2610				
Sulfide	0	0				
Sulfate	600	1200				
Boron	0	0				
Alkalinity (lab)	763	684				
Alkalinity (field)						
pH (lab)	8.4	7.7				
pH field)	8.37	7.70				
Eh (field)	187.0	196.0				
Conductivity (field)	2101	1401				
Temp. (field)	8.6	9.5				
Sample Discharge Rate	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-6. Inorganic and VOA Data for March 3-10,1987 (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						
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				
Nitrite						
Bicarbonate	920	825				
Carbonate						
Fluoride	1.4	0.8				
Chloride						
Bromide						
Thiocyanate						
Arsenic						
Lead						

Table A-6. Inorganic and VOA Data for March 3-10,1987 (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	22				
Sodium	600	635				
Nickel						
Zinc						
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen						
Total Suspended Solids						

Table A-7. Inorganic and VOA Data for Aug 17-24,1987.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	8/24/87		8/19/87	8/24/87	8/24/87	8/20/87		8/21/87	8/20/87	8/20/87
Phenolics	0		0	0	0	0		0	0	0
Cyanide	0		0	0	0	0		0	0	0
Ammonia	3.0		2.7	4.3	2.7	6.7		2.7	3.9	3.4
TOC	19		25	0	27	145		24	0	26
TDS	1729		1575	1016	1560	2397		1505	585	2026
Sulfide	0		0	0				0	0	0
Sulfate	470		410	170	460	890		370	79	540
Boron	0		0	0.059	0.034	0.131		0	0.029	0
Alkalinity (lab)	786		797	775	729	873		795	437	671
Alkalinity (field)	776.1		787.8		772.2				434.9	682.5
pH (lab)	8.4		8.2	7.9	8.6	8.7		8.3	7.9	8.2
pH field)	8.77		8.08		8.55	7.98			7.48	8.22
Eh (field)										
Conductivity (field)	1470		1660		1640	3982			670	2120
Temp. (field)	10.1		13.0		12.0	11.1			12.8	11.1
Sample Discharge Rate	1.0		1.0		0.8				0.7	1.0
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	14		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-7. Inorganic and VOA Data for Aug 17-24,1987 (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	69		70	0	80			60	0	79
Nitrate	0		0	0	0	11.2		0	0	0
Nitrite	0		0	0	0	0.03		0	0	0
Bicarbonate	770		784	768	705	833		780	434	661
Carbonate	16		13	6	24	40		15	3	10
Fluoride	1.2		1.0	0	1.5	2.0		1.3	0	1.0
Chloride	87.0		4.2	7.1	8.5	34.3		11.9	2.1	204.0
Bromide	0		0	0	0	0		0	0	0
Thiocyanate	0.56		0		0	0		0	0	0
Arsenic										
Lead	0		0	0	0	0		0	0	0

Table A-7. Inorganic and VOA Data for Aug 17-24,1987 (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	0		0	0	0	283		0	0	0
Barium	162		73	44	21	129		32	73	46
Calcium	10.50		9.24	16.50	6.60	7.42		7.48	46.10	15.80
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	86		146	1020	1040	74		87	314	95
Potassium	7.41		5.96	6.86	0	10.6		5.95	12.4	6.13
Lithium	70		60	104	59	94		58	57	86
Magnesium	6.37		5.79	7.94	2.74	5.6		4.15	29.5	11.7
Molybdenum	0		0	0	0	0		0	0	0
Manganese	0		0	19	20	0		0	32	7
Sodium	643		541	369	559	869		539	123	737
Nickel	0		0	0	0	0		0	0	0
Zinc	0		0	0	0	38		0	0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-7. Inorganic and VOA Data for Aug 17-24,1987 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	8/19/87	8/19/87	8/23/87	8/20/87	8/18/87	8/18/87	8/17/87	8/19/87	8/19/87	8/18/87
Phenolics	0	0	0	0	0	0	0	0	0	0
Cyanide	0	0	0	0						
Ammonia	3.7	2.6	2.6	2.6	4.0	3.0	2.4	2.4	2.6	2.5
TOC	32	22	18	26	26	21	22	45	25	23
TDS	2146	1507	1544	1603	1617	1565	1483	1452	1497	1535
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	880	370	380	450	450	450	430	330	390	430
Boron	0	0	0	0	0	0.017	0.018	0.025	0.024	0.010
Alkalinity (lab)	663	775	776	758	777	749	721	793	756	750
Alkalinity (field)		787.8	791.7	764.4	780.0	748.8	744.9	803.4	756.6	760.5
pH (lab)	8.2	8.2	8.2	8.3	8.0	8.1	8.0	8.4	8.3	8.1
pH field)		8.06	8.08	8.29	7.98	8.17	8.67	8.43	8.49	8.22
Eh (field)					30.0	26.0	6.0			
Conductivity (field)		1570	1620	1630	830	1774	1490	1590		
Temp. (field)		12.3	11.1	11.2	8.8	8.7	9.2	14.0	12.0	11.8
Sample Discharge Rate		1.0	1.0	1.0	1.0	1.1	1.3	1.0	1.0	1.0
Chloromethane	0	0	0							
Bromomethane	0	0	0							
Vinyl Chloride	0	0	0							
Chloroethane	0	0	0							
Methylene Chloride	0	0	0							
Acetone	0	0	0							
Carbon Disulfide	0	0	0							
1,1-Dichloroethene	0	0	0							
1,1-Dichloroethane	0	0	0							
Trans-1,2-Dichloroethene	0	0	0							
Chloroform	0	0	0							
1,2-Dichloroethane	0	0	0							
2-Butanone	0	0	0							
1,1,1-Trichloroethane	0	0	0							

Table A-7. Inorganic and VOA Data for Aug 17-24,1987 (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							
Vinyl Acetate	0	0	0							
Bromodichloromethane	0	0	0							
1,2-Dichloropropane	0	0	0							
Trans-1,3-Dichloropropene	0	0	0							
Trichloroethene	0	0	0							
Dibromochloromethane	0	0	0							
1,1,2-Trichloroethane	0	0	0							
Benzene	0	0	0							
cis-1,3-Dichloropropene	0	0	0							
Bromoform	0	0	0							
4-Methyl-2-Pentanone	0	0	0							
2-Hexanone	0	0	0							
Tetrachloroethene	0	0	0							
1,1,2,2-Tetrachloroethane	0	0	0							
Toluene	0	0	0							
Chlorobenzene	0	0	0							
Ethylbenzene	0	0	0							
Styrene	0	0	0							
Total Xylenes	0	0	0							
COD	97	74	60	72						
Nitrate	0	0	0	0	0	0	0	0	0	0
Nitrite	0	0	0	0						
Bicarbonate	653	763	764	743	770	740	713	774	742	741
Carbonate	i0	12	12	14						
Fluoride	0	1.0	1.2	1.2	1.1	1.5	1.9	2.6	2.5	1.8
Chloride	6.2	4.1	41.7	9.2						
Bromide	0	0	0	0						
Thiocyanate	0	0	0.51	0						
Arsenic										
Lead	0	0	0	0						

Table A-7. Inorganic and VOA Data for Aug 17-24,1987 (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	0	0	0	0						
Barium	56	77	36	28						
Calcium	16.80	8.54	7.40	7.00						
Cadmium	0	0	0	0						
Chromium	0	0	0	0						
Copper	0	0	0	0						
Iron	143	75	77	65						
Potassium	7.21	5.43	6.3	5.4						
Lithium	93	59	54	54						
Magnesium	12.2	5.49	4.11	4.29						
Molybdenum	0	0	0	0						
Manganese	0	0	0	0						
Sodium	728	528	544	544						
Nickel	0	0	0	0						
Zinc	0	0	0	0						
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-7. Inorganic and VOA Data for Aug 17-24,1987 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	8/18/87	8/18/87				
Phenolics	0	0				
Cyanide						
Ammonia	3.1	7.9				
TOC	30	38				
TDS	1814	2750				
Sulfide	0	0				
Sulfate	630	1400				
Boron	0	0				
Alkalinity (lab)	754	677				
Alkalinity (field)	760.5					
pH (lab)	8.2	8.0				
pH field)	8.08					
Eh (field)	19.0					
Conductivity (field)	1880					
Temp. (field)	9.4					
Sample Discharge Rate	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-7. Inorganic and VOA Data for Aug 17-24,1987 (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						
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				
Nitrite						
Bicarbonate	744	672				
Carbonate						
Fluoride	1.4	0.7				
Chloride						
Bromide						
Thiocyanate						
Arsenic						
Lead						

Table A-8. Inorganic and VOA Data for Dec. 6-9,1987.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date				12/7/87	12/7/87			12/7/87	12/6/87	
Phenolics				0	0			0	0	
Cyanide				0	0			0	0	
Ammonia				4.4	2.5			2.3	3.7	
TOC				0	17			20	0	
TDS				1020	1540			1540	589	
Sulfide				0				0	0	
Sulfate				170	450			450	82	
Boron				0.072	0.042			0.030	0.043	
Alkalinity (lab)				710	715			706	449	
Alkalinity (field)				728.9	717.1			681.6	453.1	
pH (lab)										
pH field)				7.55	9.04			8.33	7.32	
Eh (field)				92.0	4.0			301.3	156.0	
Conductivity (field)				1496	1637			1546	180	
Temp. (field)				8.8	8.7			9.3	8.7	
Sample Discharge Rate				0.7	0.8			0.7	0.6	
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-8. Inorganic and VOA Data for Dec. 6-9,1987 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date			12/8/87	12/7/87		12/8/87	12/9/87	12/9/87	12/9/87	12/9/87
Phenolics			0	0		0	0	0	0	0
Cyanide			0	0		0				
Ammonia			2.3	2.8		2.6				
TOC			20	28		17				
TDS			1510	1790		1550				
Sulfide			0	0		0				
Sulfate			380	680		470				
Boron			0.017	0.023		0.022				
Alkalinity (lab)			749	652		745				
Alkalinity (field)			744.7	665.9		748.6	736.8	807.7	555.2	689.5
pH (lab)										
pH field)			8.17	8.24		8.15	8.44	8.75	8.56	8.33
Eh (field)			116.4	308.0		187.1	85.3	332.4	55.5	195.2
Conductivity (field)			2000	2460		1950	1990	1925	1435	1885
Temp. (field)			9.0	8.5		8.2	8.2	9.1	9.0	7.0
Sample Discharge Rate			0.6	0.8		0.6				
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-9. Inorganic and VOA Data for Dec. 16-18,1987.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	12/18/87		12/18/87	12/16/87	12/16/87	12/16/87		12/16/87	12/16/87	12/18/87
Phenolics	0		0	0	0	0		0	0	0
Cyanide	0		0	0	0	0		0	0	0
Ammonia	3.1		2.7	4.0	2.4	0.8		2.3	3.5	3.8
TOC	31		45	0	22	20		44	0	49
TDS	1930		1700	1020	1470	1500		1540	534	2450
Sulfide	0		0	0	0	0		0	0	0
Sulfate	550		370	170	430	330		460	77	970
Boron	0.029		0.021	0.077	0.013	0		0.015	0.034	0.015
Alkalinity (lab)	958		965	706	713	975		726	448	721
Alkalinity (field)	939.7		953.4	728.9	709.2	953.5		723.0	442.1	953.5
pH (lab)										
pH field)	6.45		6.27	7.62	9.03	7.30		8.41	7.21	7.78
Eh (field)	185.4		166.9	104.1	-3.2	233.9		225.8	219.1	40.7
Conductivity (field)	2540		2110	1540	2165	918		2240	921	3340
Temp. (field)	8.6		8.1	9.2	8.6	7.0		10.1	7.1	8.5
Sample Discharge Rate	1.0		0.6	0.8	0.9	0.9		0.8	0.7	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-9. Inorganic and VOA Data for Dec. 16-18,1987 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	12/17/87	12/17/87	12/17/87	12/17/87	12/17/87	12/17/87	12/17/87	12/17/87	12/17/87	12/17/87
Phenolics	0	0	0	0					0	
Cyanide	0	0	0	0						
Ammonia	4.6	2.7	2.1	2.5						
TOC	50	47	26	31						
TDS	2850	1630	784	1800						
Sulfide	0	0	0	0						
Sulfate	1200	420	210	660						
Boron	0.016	0.014	0.016	0.037						
Alkalinity (lab)	708	873	418	649						
Alkalinity (field)	705.3	906.2	780.1	675.3	925.9	693.4	748.6	780.1	520.1	689.5
pH (lab)										
pH field)	6.93	6.72	8.25	8.23	8.10	8.36	8.35	8.82	8.56	8.23
Eh (field)	139.5	188.8	129.9	268.4	156.8	183.3	107.5	199.8	238.8	195.2
Conductivity (field)	3710	2120	1960	2410	1960	1490	1860	1940	1360	1885
Temp. (field)	8.4	8.5	8.5	10.4	8.5	9.1	8.8	8.5	9.0	7.9
Sample Discharge Rate	0.9	0.7	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-9. Inorganic and VOA Data for Dec. 16-18,1987 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	12/17/87	12/17/87				
Phenolics		0				
Cyanide						
Ammonia						
TOC						
TDS						
Sulfide						
Sulfate						
Boron						
Alkalinity (lab)						
Alkalinity (field)	728.9	821.5				
pH (lab)						
pH field)	8.14	8.28				
Eh (field)	142.5	201.1				
Conductivity (field)	3200	3420				
Temp. (field)	8.9	9.2				
Sample Discharge Rate						
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-10. Inorganic and VOA Data for Dec. 29-31,1987.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date			12/31/87	12/29/87	12/29/87	12/29/87		12/29/87	12/29/87	
Phenolics			0	0	0	0	0	0	0	
Cyanide			0	0	0	0	0	0	0	
Ammonia			3.2	4.6	2.7	1.7		2.4	3.7	
TOC			52	14	19	18		26	0	
TDS			1790	1000	1580	1230		1580	557	
Sulfide			0	0	0	0		0	0	
Sulfate			370	172	470	350		490	78	
Boron			0.019	0.055	0.034	0.015		0.023	0.033	
Alkalinity (lab)			1020	702	729	741		712	451	
Alkalinity (field)			1016.6	710.0	733.3	943.2		721.7	395.5	
pH (lab)										
pH field)			6.13	7.48	8.53	9.59		8.25	7.30	
Eh (field)			249.5	120.5	-50.2	103.0		176.0	145.7	
Conductivity (field)			2460	1550	2240	2090		2280	894	
Temp. (field)			7.1	7.2	8.2	7.9		8.7	7.4	
Sample Discharge Rate			1.0	0.7	1.0	0.8		1.0	0.8	
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-10. Inorganic and VOA Data for Dec. 29-31,1987 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	12/31/87	12/30/87	12/30/87	12/30/87	12/31/87	12/31/87	12/31/87	12/30/87	12/30/87	12/30/87
Phenolics	0	0	0	0.022	0		0			
Cyanide	0	0	0	0						
Ammonia	5.2	2.9	1.7	2.6						
TOC	52	44	15	32						
TDS	3090	1640	1480	1840						
Sulfide	0	0	0	0						
Sulfate	1400	450	370	690						
Boron	0.015	0.019	0.023	0.014						
Alkalinity (lab)	780	840	768	677						
Alkalinity (field)	783.8	843.9	774.1	682.8	925.4	672.0	739.1	795.4	523.8	745.0
pH (lab)										
pH field)	6.39	6.26	8.20	8.18	8.01	8.29	8.45	8.81	8.13	8.42
Eh (field)	215.9	243.7	80.0	107.4	209.9	231.9	266.0	141.5	278.5	158.8
Conductivity (field)	3930	2280	2070	2540	1860	1521	1920	1840	1059	1850
Temp. (field)	7.3	7.5	7.1	7.4	8.8	8.2	8.2	9.0	8.1	7.8
Sample Discharge Rate	1.3	0.6	0.9	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-10. Inorganic and VOA Data for Dec. 29-31,1987 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	12/31/87	12/31/87				
Phenolics	0					
Cyanide	0					
Ammonia	2.3					
TOC	63					
TDS	2160					
Sulfide	0					
Sulfate	680					
Boron	0.022					
Alkalinity (lab)	961					
Alkalinity (field)	717.8	758.5				
pH (lab)						
pH field)	8.14	7.51				
Eh (field)	142.5	305.9				
Conductivity (field)	3200	3590				
Temp. (field)	8.9	8.1				
Sample Discharge Rate						
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-11. Inorganic and VOA Data for Jan. 5-8, 1988.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date			1/8/88	1/6/88	1/6/88	1/5/88		1/5/88	1/5/88	1/8/88
Phenolics			0	0	0	0		0	0	0
Cyanide			0	0	0	0		0	0	0
Ammonia			2.8	3.4	2.6	2.3		2.4	3.6	5.1
TOC			43	0	18	23		23	0	64
TDS			1700	1000	1520	1250		1560	550	2770
Sulfide			0	0	0	0		0	0	0
Sulfate			400	170	470	360		470	78	930
Boron			0.029	0.033	0.027	0.011		0.028	0.040	0
Alkalinity (lab)			853	646	661	718		656	406	1000
Alkalinity (field)			942.8	748.8	772.1	938.9		779.9	481.1	1154.3
pH (lab)										
pH field)			6.50	7.22	8.33	11.28		8.18	7.45	5.99
Eh (field)			1.2	41.7	-55.9	99.1		94.8	130.6	15.1
Conductivity (field)			2200	1470	2140	2110		2160	889	3420
Temp. (field)			8.1	7.5	8.8	7.8		8.3	7.9	7.9
Sample Discharge Rate			1.0	0.8	1.0	0.8		0.9	0.9	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-11. Inorganic and VOA Data for Jan. 5-8, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	1/8/88	1/8/88	1/7/88	1/7/88						
Phenolics	0	0	0	0						
Cyanide	0	0	0	0						
Ammonia	5.0	2.9	2.1	2.7						
TOC	46	33	20	30						
TDS	3160	1630	1490	1860						
Sulfide	0	0	0	0						
Sulfate	1700	430	370	710						
Boron	0.024	0.021	0.033	0.021						
Alkalinity (lab)	593	782	700	598						
Alkalinity (field)	698.4	869.1	822.6	682.9						
pH (lab)										
pH field)	7.01	6.65	8.19	8.39						
Eh (field)	-52.3	-37.1	-19.3	-18.5						
Conductivity (field)	3970	1860	2020	2510						
Temp. (field)	8.2	9.0	8.9	7.8						
Sample Discharge Rate	0.9	0.9	0.9	0.8						
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-12. Inorganic and VOA Data for Jan. 15-18, 1988.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date			1/17/88	1/17/88	1/17/88	1/16/88		1/16/88	1/15/88	1/18/88
Phenolics			0	0	0	0		0	0	0
Cyanide			0	0	0	0		0	0	0
Ammonia			1.9	4.4	2.7	3.8		2.5	3.7	4.6
TOC			30	0	17	27		25	0	64
TDS			1800	990	1600	1200		1600	550	2500
Sulfide			0	0	0	0		0	0	0
Sulfate			300	160	470	460		450	85	890
Boron			0.022	0.071	0.035	0.023		0.029	0.037	0
Alkalinity (lab)			1130	707	732	710		709	454	1030
Alkalinity (field)			1140.7	713.9	741.8	725.0		710.0	400.0	1055.4
pH (lab)										
pH field)			6.16	7.57	8.15	11.31		8.03	7.20	6.08
Eh (field)			195.5	131.7	-50.9	106.7		32.6	203.9	69.7
Conductivity (field)			2590	1499	2240	2620		2165	887	3340
Temp. (field)			7.9	8.2	8.6	8.2		8.7	6.9	9.1
Sample Discharge Rate			0.6	0.8	0.9	0.8		0.9	0.8	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-12. Inorganic and VOA Data for Jan. 15-18, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	1/18/88	1/17/88	1/16/88	1/16/88	1/15/88	1/15/88	1/15/88	1/15/88	1/15/88	1/15/88
Phenolics	0	0	0	0		0.025		0		
Cyanide	0	0	0	0						
Ammonia	5.3	3.2	2.3	3.0						
TOC	59	42	24	33						
TDS	3000	1700	1500	1900						
Sulfide	0	0	0	0						
Sulfate	1400	400	370	700						
Boron	0	0.018	0.026	0.017						
Alkalinity (lab)	871	898	758	650						
Alkalinity (field)	904.0	902.1	774.0	655.7	1059.2	686.8	793.5	807.0	510.2	719.7
pH (lab)										
pH field)	6.18	5.98	7.85	7.93	8.01	7.90	8.00	8.40	8.24	7.98
Eh (field)	73.0	222.9	-80.0	58.2	189.4	190.1	192.3	190.4	180.0	188.4
Conductivity (field)	4340	2480	2000	2585	1587	1402	1868	1850	1246	576
Temp. (field)	8.1	8.5	9.2	8.8	7.9	8.2	6.9	8.5	8.2	8.1
Sample Discharge Rate	0.9	0.9	0.9	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-12. Inorganic and VOA Data for Jan. 15-18, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	1/15/88	1/15/88				
Phenolics						
Cyanide						
Ammonia						
TOC						
TDS						
Sulfide						
Sulfate						
Boron						
Alkalinity (lab)						
Alkalinity (field)	764.4	721.7				
pH (lab)						
pH field)	7.11	6.80				
Eh (field)	186.1	192.1				
Conductivity (field)	3280	3820				
Temp. (field)	8.0	8.4				
Sample Discharge Rate						
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-13. Inorganic and VOA Data for Jan. 25-28, 1988.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date			1/27/88	1/27/88	1/27/88	1/26/88		1/26/88	1/26/88	1/28/88
Phenolics			0	0	0	0		0	0.024	0
Cyanide			0	0	0	0		0	0	0
Ammonia			3.0	4.3	2.7	1.1		2.5	3.8	4.1
TOC			42	0	15	30		22	0	50
TDS			1850	950	1570	1290		1560	488	2630
Sulfide			0	0	0	0		0	0	0
Sulfate			410	150	500	510		500	81	1100
Boron			0	0.048	0.022	0.057		0	0.023	0
Alkalinity (lab)			1010	694	719	531		684	441	858
Alkalinity (field)			1082.0	715.4	747.0	759.2		710.5	446.6	893.2
pH (lab)										
pH field)			6.19	7.48	8.42	8.30		8.40	7.29	6.37
Eh (field)			33.9	115.2	13.8	128.4		178.1	179.2	
Conductivity (field)			2620	1475	2280	1290		2260	905	3550
Temp. (field)			9.0	8.0	8.8	7.6		8.8	8.1	8.6
Sample Discharge Rate			0.9	0.9	0.8	1.0		1.0	0.5	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-13. Inorganic and VOA Data for Jan. 25-28, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	1/28/88	1/27/88	1/26/88	1/26/88	1/25/88	1/25/88	1/25/88	1/25/88	1/25/88	1/25/88
Phenolics	0	0	0	0			0		0	
Cyanide	0	0	0	0						
Ammonia	5.8	1.5	2.4	3.3						
TOC	56	21	22	32						
TDS	2840	1680	1390	2030						
Sulfide	0	0	0	0						
Sulfate	1100	400	390	870						
Boron	0	0	0	0						
Alkalinity (lab)	937	919	737	610						
Alkalinity (field)	980.5	954.1	767.3	631.3	1098.2	694.3	749.1	795.8	495.3	708.5
pH (lab)										
pH field)	6.09	6.01	8.28	8.32	8.08	8.08	7.80	8.43	8.48	8.30
Eh (field)	107.2	164.3	104.3	55.0	115.4	252.5	294.4	129.5	114.6	167.9
Conductivity (field)	3890	2410	2030	2850	1858	1560	1897	1848	1174	1788
Temp. (field)	7.6	7.7	9.2	9.0	8.0	8.0	8.0	8.2	8.4	8.2
Sample Discharge Rate	0.9	0.9	1.0	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-14. Inorganic and VOA Data for Feb. 2-6, 1988.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date			2/5/88	2/4/88	2/4/88	2/3/88		2/3/88	2/3/88	2/5/88
Phenolics			0	0	0	0		0	0	0
Cyanide			0	0	0	0		0	0	0
Ammonia			3.3	4.2	2.8	7.5		2.8	3.7	3.2
TOC			55	0	14	28		23	0	41
TDS			1900	990	1600	1700		1680	570	2720
Sulfide			0	0	0	0		0	0	0
Sulfate			370	160	520	700		630	89	1190
Boron			0	0.066	0.048	0.041		0.018	0.023	0
Alkalinity (lab)			1100	680	720	650		670	440	830
Alkalinity (field)			1136.8	710.5	743.0	770.1		732.8	470.9	877.0
pH (lab)										
pH field)			6.18	7.52	8.61	9.36		8.34	7.36	6.46
Eh (field)			219.3	102.8	-45.6	9.2		165.1	187.8	175.2
Conductivity (field)			2550	1500	2315	1925		2290	875	3570
Temp. (field)			7.3	7.3	7.6	7.2		9.1	8.3	8.6
Sample Discharge Rate			0.9	0.7	0.7	1.0		1.0	0.7	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-14. Inorganic and VOA Data for Feb. 2-6, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	2/5/88	2/4/88	2/4/88	2/3/88	2/2/88	2/2/88	2/2/88	2/2/88	2/2/88	2/2/88
Phenolics	0	0	0	0		0			0	
Cyanide	0	0	0	0						
Ammonia	4.7	3.2	2.4	3.4						
TOC	42	27	18	37						
TDS	3080	1750	1450	2220						
Sulfide	0	0	0	0						
Sulfate	1410	440	440	1000						
Boron	0	0	0.014	0.025						
Alkalinity (lab)	950	900	710	596						
Alkalinity (field)	984.5	921.6	759.2	633.4	1084.0	688.2	769.4	807.9	454.7	706.4
pH (lab)										
pH field)	6.21	6.05	8.23	8.33	8.19	8.43	8.49	8.91	8.61	8.52
Eh (field)	203.3	217.0	91.1	76.2	47.5	132.0	206.0	100.2	75.5	87.6
Conductivity (field)	4140	2385	2065	2990	1830	1584	1916	1856	1102	1865
Temp. (field)	7.0	8.5	8.7	8.6	8.5	7.7	8.6	8.5	8.3	8.7
Sample Discharge Rate	0.9		1.0	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-14. Inorganic and VOA Data for Feb. 2-6, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	2/6/88	2/6/88				
Phenolics	0	0				
Cyanide	0	0				
Ammonia	3.7	8.4				
TOC	38	52				
TDS	2520	3250				
Sulfide	0	0				
Sulfate	1200	1770				
Boron	0	0				
Alkalinity (lab)	720	660				
Alkalinity (field)	736.9	728.8				
pH (lab)						
pH field)	7.82	6.73				
Eh (field)	78.0	142.6				
Conductivity (field)	3390	3970				
Temp. (field)	9.2	9.2				
Sample Discharge Rate	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-15. Inorganic and VOA Data for Feb. 11-17, 1988.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date			2/14/88	2/13/88	2/13/88	2/12/88		2/12/88	2/12/88	2/16/88
Phenolics			0	0	0	0		0	0	
Cyanide			0	0	0	0		0	0	0
Ammonia			3.0	4.2	2.2	6.7		2.6	3.8	4.4
TOC			56	0	16	24		30	0	60
TDS			1700	970	1560	1650		1660	430	2600
Sulfide			0	0	0	0		0	0	0
Sulfate			390	150	500	750		590	86	1290
Boron			0.014	0.059	0.032	0.062		0.020	0.033	0.021
Alkalinity (lab)			1000	690	710	780		670	440	730
Alkalinity (field)			1029.2	702.4	730.8			678.0	438.5	759.2
pH (lab)										
pH field)			6.17	7.55	8.76	9.48		8.22	7.10	6.67
Eh (field)			251.3	120.6	-36.1	21.5		164.7	144.2	185.1
Conductivity (field)			2445	1430	2180	2855		2325	865	3630
Temp. (field)			7.6	9.7	7.9	8.6		9.6	8.3	8.6
Sample Discharge Rate			0.9	1.0	0.7	0.9		0.9	0.6	0.8
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-15. Inorganic and VOA Data for Feb. 11-17, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	2/16/88	2/13/88	2/13/88	2/12/88	2/17/88	2/11/88	2/11/88	2/11/88	2/11/88	2/11/88
Phenolics	0	0	0	0	0		0			0
Cyanide	0	0	0	0	0					
Ammonia	5.9	2.7	2.4	3.5	3.3					
TOC	63	33	26	38	38					
TDS	3200	1500	1460	2180	1590					
Sulfide	0	0	0	0	1.0					
Sulfate	1600	450	380	1000	480					
Boron	0	0.022	0.026	0.022	0.016					
Alkalinity (lab)	820	830	750	600	820					
Alkalinity (field)	864.8	854.6	728.7	600.9	830.3	694.3	759.2	820.1	523.7	720.6
pH (lab)										
pH field)	6.12	6.32	8.22	8.17	8.03	8.47	8.55	8.89	8.71	8.49
Eh (field)	232.5	222.7	123	119.0	15.1	323.2	208.1	132.1	98.8	140.6
Conductivity (field)	4360	2300	2060	3020	2175	1619	1968	1830	748	1883
Temp. (field)	7.1	8.0	9.2	8.9	8.1	8.5	8.4	9.6	10.5	9.0
Sample Discharge Rate	0.9	0.7	0.9	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-15. Inorganic and VOA Data for Feb. 11-17, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	2/16/88	2/16/88				
Phenolics						
Cyanide	0	0				
Ammonia	3.8	8.0				
TOC	60	62				
TDS	2300	2900				
Sulfide	0	0				
Sulfate	1120	1460				
Boron	0	0.017				
Alkalinity (lab)	700	710				
Alkalinity (field)	724.7	727.5				
pH (lab)						
pH field)	7.97	6.81				
Eh (field)	82.4	179.7				
Conductivity (field)	3390	3785				
Temp. (field)	8.4	9.0				
Sample Discharge Rate	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-16. Inorganic and VOA Data for Feb. 22-26, 1988.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date			2/25/88	2/24/88	2/24/88	2/23/88		2/23/88	2/23/88	2/25/88
Phenolics			0	0	0	0		0	0	0
Cyanide			0	0	0	0		0	0	0
Ammonia			3.2	4.4	2.7	6.4		3.0	3.8	4.6
TOC			53	0	28	17		46	0	58
TDS			1870	1010	1590	2050		1780	590	2840
Sulfide			0	0	0	0		0	0	0
Sulfate			420	170	510	770		690	89	1330
Boron			0	0.067	0.036	0.049		0.027	0.035	0.017
Alkalinity (lab)			1030	690	720	780		650	450	780
Alkalinity (field)			1063.7	694.3	732.8			669.9	454.7	791.7
pH (lab)										
pH field)			6.13	7.46	8.97	9.58		8.39	7.35	6.66
Eh (field)			269.1	107.1	-47.9	57.6		148.0	129.6	208.3
Conductivity (field)			2550	1500	2230	2820		2490	850	3730
Temp. (field)			8.2	7.6	7.9	9.4		9.0	7.4	8.7
Sample Discharge Rate			0.8	0.9	0.8	1.0		0.9	0.8	0.8
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-16. Inorganic and VOA Data for Feb. 22-26, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	2/25/88	2/24/88	2/24/88	2/23/88	2/26/88	2/22/88	2/22/88	2/22/88	2/22/88	2/22/88
Phenolics	0	0	0	0	0	0	0	0	0	0
Cyanide	0	0	0	0	0					
Ammonia	6.0	2.7	2.5	3.8	3.4					
TOC	73	37	27	42	32					
TDS	3130	1670	1490	2460	1590					
Sulfide	0	0	0	0	1.3					
Sulfate	1460	470	400	1210	390					
Boron	0.018	0	0.016	0.025	0.020					
Alkalinity (lab)	920	820	740	580	840					
Alkalinity (field)	966.3	856.7	759.2	564.3	874.9	684.1	775.5	814.0	475.0	716.6
pH (lab)										
pH field)	6.14	6.09	8.28	8.30	7.80	8.34	8.31	8.60	8.46	8.35
Eh (field)	254.3	257.4	124.5	103.0	-53.5	307.2	235.5	161.0	129.6	176.5
Conductivity (field)	4080	2230	2040	3240	2225	1620	2040	1924	612	1970
Temp. (field)	8.0	8.0	9.1	7.7	7.9	8.5	8.0	8.6	8.3	9.1
Sample Discharge Rate	0.8	0.8	1.0	1.0	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-16. Inorganic and VOA Data for Feb. 22-26, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	2/25/88	2/26/88				
Phenolics	0	0				
Cyanide	0	0				
Ammonia	4.0	7.9				
TOC	32	44				
TDS	2500	2970				
Sulfide	0	1.5				
Sulfate	1190	1510				
Boron	0.019	0.018				
Alkalinity (lab)	730	740				
Alkalinity (field)	751.1	779.5				
pH (lab)						
pH field)	8.06	6.82				
Eh (field)	85.0	144.9				
Conductivity (field)	3260	3700				
Temp. (field)	9.0	8.7				
Sample Discharge Rate	1.0	0.8				
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-17. Inorganic and VOA Data for March 18, 1988.

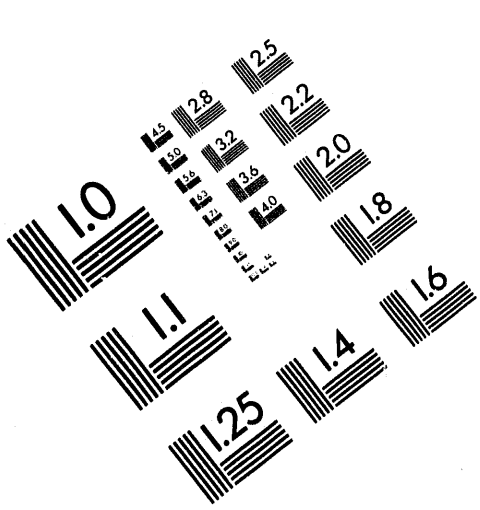
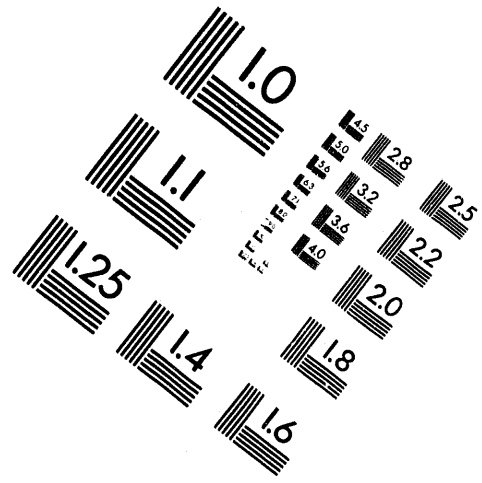
Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	3/18/88									
Phenolics	0.062									
Cyanide	0									
Ammonia	2.7									
TOC	160									
TDS	1848									
Sulfide	6.4									
Sulfate	260									
Boron	0.035									
Alkalinity (lab)	1030									
Alkalinity (field)	1058.8									
pH (lab)										
pH field)	8.16									
Eh (field)	-58.1									
Conductivity (field)	2370									
Temp. (field)	8.1									
Sample Discharge Rate	0.5									
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-17. Inorganic and VOA Data for March 18, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	3/18/88									
Phenolics	0									
Cyanide	0									
Ammonia	5.4									
TOC	53									
TDS	3360									
Sulfide	0									
Sulfate	1730									
Boron	0.025									
Alkalinity (lab)	610									
Alkalinity (field)	622.1									
pH (lab)										
pH field)	6.78									
Eh (field)	137.8									
Conductivity (field)	4340									
Temp. (field)	8.0									
Sample Discharge Rate	0.6									
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-17. Inorganic and VOA Data for March 18, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date		3/18/88				
Phenolics		0				
Cyanide		0				
Ammonia		7.8				
TOC		59				
TDS		2980				
Sulfide		2.3				
Sulfate		1480				
Boron		0.025				
Alkalinity (lab)		700				
Alkalinity (field)		716.9				
pH (lab)						
pH field)		7.52				
Eh (field)		85.9				
Conductivity (field)		3650				
Temp. (field)		8.1				
Sample Discharge Rate		0.7				
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						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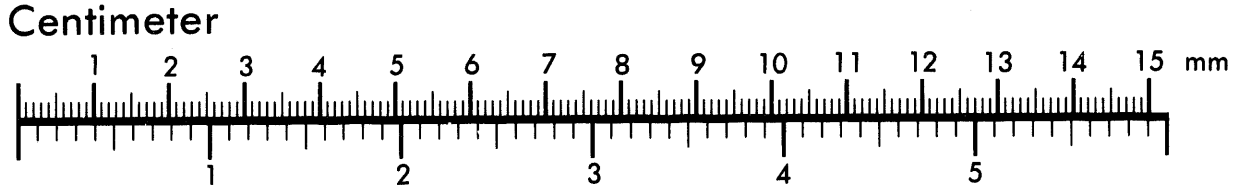

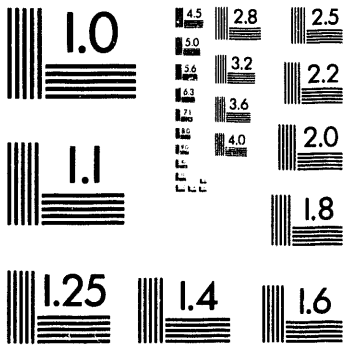
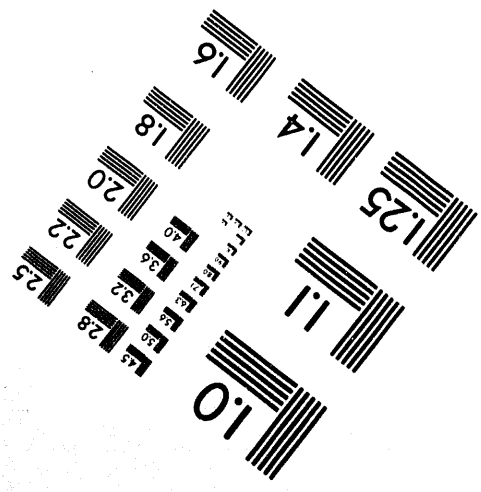
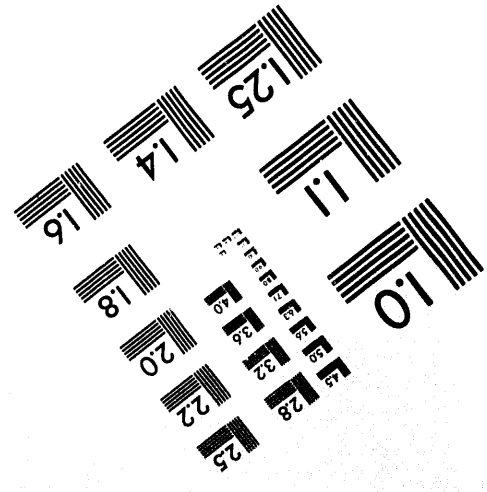

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Table A-18. Inorganic and VOA Data for March 30 - April 6, 1988.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	4/6/88	3/31/88	4/4/88	3/31/88	4/1/88	3/31/88	3/30/88	4/3/88	3/30/88	4/5/88
Phenolics	0.031	0.098	0	0	0	0	0	0	0	0
Cyanide	0	0	0	0	0	0	0	0	0	0
Ammonia	4.1	31.0	3.3	4.3	2.9	6.1	9.7	2.4	3.7	3.9
TOC	49	18	50	18	25	17	15	25	14	55
TDS	2520	1100	2020	1020	1760	2130	1200	1550	572	2320
Sulfide	1.1	0	0	0		0	0	0	0	0
Sulfate	1030	15	680	160	600	740	0	470	92	1020
Boron	0.046	0.278	0.023	0.053	0.046	0.050	0.079	0.021	0.037	0.019
Alkalinity (lab)	736	1110	765	695	725	800	1030	709	445	708
Alkalinity (field)	751.9	1116.5	782.8	704.5	747.8	895.2	1063.7	725.1	459.2	723.1
pH (lab)	7.0	11.5	7.0	7.1	8.1	9.0	10.0	7.0	6.9	7.1
pH field)	7.58	12.40	7.53	7.05	8.80	9.39	8.98	8.39	7.20	7.50
Eh (field)	-82.0	-30.0	64.0	115.0	111.0	-15.0	97.0	77.0	123.0	20.0
Conductivity (field)	3400	5295	2460	1520	2180	3000	1880	2150	889	3430
Temp. (field)	9.9	9.9	9.0	7.4	9.6	9.5	7.8	10.8	6.8	10.0
Sample Discharge Rate	0.6	0.5	0.6	0.7	0.2	0.7	0.4	0.6	0.3	0.7
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	37	0	0	0	0	0	0	0	0
Acetone	60	210	39	0	0	0	410	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-18. Inorganic and VOA Data for March 30 - April 6, 1988 (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	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	31	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	6	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	62	95	0	50	0	0	67	0	97
Nitrate	0	0	0	0	0	0	0	0.09	0	0
Nitrite	0	0	0	0	0	0	0	0	0	0
Bicarbonate	896	36	931	846	873	900	646	863	542	862
Carbonate	0	548	0	0	5	37	299	0	0	0
Fluoride	1.2	3.1	0.8	0	1.6	1.9	1.4	1.3	0	0.9
Chloride	24.0	8.8	8.4	6.8	15.0	31.0	40.0	9.1	2.4	14.0
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-18. Inorganic and VOA Data for March 30 - April 6, 1988 (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	0	0
Mercury	0	0	0	0	0	0	0	0	0	0
Aluminum	0	1640	0	0	0	360	330	0	0	0
Barium	72	214	127	39	14	60	33	26	62	48
Calcium	22.80	11.80	14.90	16.90	5.91	33.60	1.66	6.35	57.60	18.20
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	158	24	164	668	94	275	79	39	621	217
Potassium	10.2	54.9	0	0	0	10.6	30.8	0	8.62	0
Lithium	136	175	89	105	69	96	138	59	45	96
Magnesium	8.22	0	7.15	7.56	2.81	4.59	1.20	3.19	29.30	10.70
Molybdenum	0	20	0	0	11	0	0	0	0	0
Manganese	0	0	0	13	0	6	0	0	56	0
Sodium	852	422	685	358	615	740	456	540	109	750
Nickel	0	0	12	0	13	0	0	0	0	0
Zinc	0	116	0	0	0	0	0	0	0	0
Cations	39.14	20.35	31.13	17.06	27.28	34.52	20.81	24.07	10.27	34.42
Anions	36.87	19.57	29.69	17.39	27.47	32.36	21.75	24.25	10.87	35.81
SAR	38.9	33.8	36.5	18.2	52.2	31.8	65.8	43.6	2.9	34.5
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-18. Inorganic and VOA Data for March 30 - April 6, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	4/5/88	4/4/88	4/4/88	4/3/88	4/3/88	4/2/88	4/2/88	4/2/88	4/1/88	4/1/88
Phenolics	0	0	0	0	0	0	0	0	0	0
Cyanide	0	0	0	0						
Ammonia	5.7	2.7	2.4	3.1	3.1	2.7	2.1	2.2	2.5	2.6
TOC	75	61	24	31	27	17	28	28	28	35
TDS	3510	1550	1460	1950	1600	1560	1520	1340	1420	1520
Sulfide	0	1.5	0	0	1.5	0	0	0	0	0
Sulfate	1780	430	340	780	400	460	450	120	300	400
Boron	0	0.012	0.035	0.013	0.019	0.019	0.025	0.034	0.011	0.018
Alkalinity (lab)	596	761	782	650	829	728	707	984	817	735
Alkalinity (field)	537.6	766.3	789.0	661.3	832.2	739.5	712.7	992.9	832.2	784.9
pH (lab)	6.6	6.9	7.0	7.0						
pH field)	6.75	7.51	7.97	8.11	7.75	8.10	8.25	8.32	8.39	8.27
Eh (field)	-80.0	2.0	313.0	6.0	-86.0	83.0	136.0	19.0	69.0	-5.0
Conductivity (field)	4700	2225	2050	2685	2220	2000	2080	1880	1975	2120
Temp. (field)	8.5	10.0	9.6	10.7	10.0	10.0	10.1	10.0	9.1	10.0
Sample Discharge Rate	0.6	0.6	0.7	0.8	0.6	0.7	0.6	0.2	0.3	0.6
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	14	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-18. Inorganic and VOA Data for March 30 - April 6, 1988 (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	140	68	63	75						
Nitrate	0	0	0	0	0	0.06	0.10	0	0	0
Nitrite	0	0	0	0	0	0	0	0	0	0
Bicarbonate	727	926	952	791	1009	886	861	1190	987	891
Carbonate	0	0	0	0						
Fluoride	0.7	1.0	1.6	0.9	0.8	1.4	1.3	1.6	1.6	1.4
Chloride	17.0	6.2	7.0	7.6						
Bromide	0	0	0	0						
Thiocyanate	0	0	0	0						
Arsenic	0	0	0	0						
Lead	0	0	0	0						

Table A-18. Inorganic and VOA Data for March 30 - April 6, 1988 (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						
Mercury	0	0	0	0						
Aluminum	120	0	0	0						
Barium	68	52	28	32						
Calcium	39.60	9.97	5.32	8.66						
Cadmium	0	0	0	0						
Chromium	0	0	0	0						
Copper	0	0	0	0						
Iron	564	321	32	43						
Potassium	0	0	0	0						
Lithium	180	59	54	73						
Magnesium	27.40	3.96	2.92	6.21						
Molybdenum	0	0	0	0						
Manganese	0	0	0	0	0	0	0	0	0	0
Sodium	1120	537	525	659	549	550	522	498	508	532
Nickel	0	0	0	0						
Zinc	0	0	0	0						
Cations	52.97	24.19	23.34	29.53						
Anions	49.49	24.36	22.96	29.46						
SAR	33.5	36.4	45.5	43.7						
Total Kjeldahl Nitrogen										
Total Suspended Solids										

Table A-18. Inorganic and VOA Data for March 30 - April 6, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	4/5/88	4/5/88	4/6/88			
Phenolics	0	0	10.000			
Cyanide			0			
Ammonia	3.4	7.7	16.0			
TOC	42	67	32			
TDS	2170	3040	1920			
Sulfide	0	0	0			
Sulfate	800	1370	750			
Boron	0	0	1.880			
Alkalinity (lab)	724	715	541			
Alkalinity (field)	708.6	663.3	550.0			
pH (lab)			6.8			
pH field)	7.90	7.50	7.71			
Eh (field)	110.0	-40.0	173.0			
Conductivity (field)	2980	3990	3060			
Temp. (field)	10.0	9.0	33.0			
Sample Discharge Rate	0.7	0.6				
Chloromethane			0			
Bromomethane			0			
Vinyl Chloride			0			
Chloroethane			0			
Methylene Chloride			0			
Acetone			0			
Carbon Disulfide			0			
1,1-Dichloroethene			0			
1,1-Dichloroethane			0			
Trans-1,2-Dichloroethene			0			
Chloroform			0			
1,2-Dichloroethane			0			
2-Butanone			0			
1,1,1-Trichloroethane			0			

Table A-18. Inorganic and VOA Data for March 30 - April 6, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride			0			
Vinyl Acetate			0			
Bromodichloromethane			0			
1,2-Dichloropropane			0			
Trans-1,3-Dichloropropene			0			
Trichloroethene			0			
Dibromochloromethane			0			
1,1,2-Trichloroethane			0			
Benzene			380			
cis-1,3-Dichloropropene			0			
Bromoform			0			
4-Methyl-2-Pentanone			0			
2-Hexanone			0			
Tetrachloroethene			0			
1,1,2,2-Tetrachloroethane			0			
Toluene			310			
Chlorobenzene			0			
Ethylbenzene			70			
Styrene			0			
Total Xylenes			600			
COD			140			
Nitrate	0	0	0			
Nitrite	0	0	0			
Bicarbonate	881	870	658			
Carbonate			0			
Fluoride	1.0	0	9.2			
Chloride			26.0			
Bromide			0			
Thiocyanate			0			
Arsenic			0			
Lead			0			

Table A-18. Inorganic and VOA Data for March 30 - April 6, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium			0			
Mercury			0			
Aluminum			0			
Barium			36			
Calcium			17.00			
Cadmium			0			
Chromium			0			
Copper			0			
Iron			180			
Potassium			99.3			
Lithium			1160			
Magnesium			5.28			
Molybdenum			41			
Manganese	0	22	209			
Sodium	714	751	556			
Nickel			0			
Zinc			0			
Cations			28.20			
Anions			27.62			
SAR			30.2			
Total Kjeldahl Nitrogen						
Total Suspended Solids						

Table A-19. Inorganic and VOA Data for June 25-July 7, 1988.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	7/6/88	7/7/88	6/30/88	6/26/88	6/26/88	6/26/88	7/7/88	6/29/88	6/25/88	7/6/88
Phenolics	0	0.052	0	0	0	0	0.036	0	0	0.031
Cyanide	0	0	0	0	0	0	0	0	0	0
Ammonia	3.7	15.0	2.8	4.3	2.7	5.3	24.0	2.3	3.7	3.5
TOC	40	23	54	0	16	11	29	18	0	56
TDS	2330	300	1730	995	1580	2200	950	1510	553	2130
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	1000	31	690	170	500	850	11	490	80	840
Boron	0.030	0.087	0.021	0.064	0.031	0.054	0.184	0.021	0.041	0.021
Alkalinity (lab)	670	230	700	710	750	850	850	730	450	720
Alkalinity (field)	680.0	238.9	702.0	716.0	741.6	880.0	846.0	754.0	465.6	735.0
pH (lab)	8.1	10.5	8.1	8.0	8.8	9.0	11.2	8.3	7.6	8.1
pH field)	8.33	10.71	8.07	7.50	8.62	9.01	11.48	8.39	7.33	8.10
Eh (field)	4.1	231.0	84.1	99.4	-24.5	23.2	4.5	113.5	152.5	8.0
Conductivity (field)	3075	440	2330	1410	2120	2970	1610	2080	879	2720
Temp. (field)	11.7	12.0	11.6	12.6	11.1	12.5	13.7	11.8	14.5	12.4
Sample Discharge Rate	0.5		0.6	0.5	0.5	0.9		0.7	0.3	0.6
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-19. Inorganic and VOA Data for June 25-July 7, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	7/1/88	6/30/88	6/30/88	6/29/88	6/30/88	6/29/88	6/29/88	6/28/88	6/28/88	6/26/88
Phenolics	0	0	0	0.020	0	0	0	0	0	0.042
Cyanide	0	0	0	0	0	0	0	0	0	0
Ammonia	6.0	2.5	2.3	3.0	2.9	2.7	2.3	2.2	2.3	2.5
TOC	93	31	19	27	28	15	32	30	45	20
TDS	3760	1480	1440	1900	1570	1510	1460	1310	1450	1470
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	1770	410	330	820	450	480	450	110	350	400
Boron	0.011	0.026	0.026	0.021	0.023	0.024	0.011	0.032	0.021	0.015
Alkalinity (lab)	570	690	800	660	770	720	690	990	800	770
Alkalinity (field)	597.0	556.2	836.0	667.4	782.8	729.2	694.2	1005.0	816.0	832.0
pH (lab)	7.9	8.2	8.2	8.2	8.1	8.2	8.2	8.3	8.3	8.3
pH field)	7.80	8.20	8.05	8.38	8.04	8.31	8.35	8.40	8.27	8.17
Eh (field)	72.5	50.9	153.8	112.6	90.5	152.3	230.4	97.4	84.3	74.7
Conductivity (field)	4590	2030	1980	2460	2060	2110	1980	1735	1780	1950
Temp. (field)	11.4	12.6	10.2	11.5	10.6	10.3	11.0	13.1	13.3	11.0
Sample Discharge Rate	0.6	0.6	0.8	0.6	0.7	0.7	0.7	0.3	0.5	0.8
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-19. Inorganic and VOA Data for June 25-July 7, 1988 (Cont.).

Parameter	TW-17	TW-18	VW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	7/6/88	7/1/88	7/7/88			
Phenolics	0	0	0.045			
Cyanide	0	0	0			
Ammonia	3.1	7.8	5.1			
TOC	76	73	101			
TDS	1930	3270	1930			
Sulfide	0	1.5	0			
Sulfate	700	1550	760			
Boron	0.031	0.023	0.598			
Alkalinity (lab)	740	710	660			
Alkalinity (field)	756.0	737.0	663.0			
pH (lab)	8.2	7.9	7.8			
pH field)	8.05	7.78	7.81			
Eh (field)	101.4	-62.5	-2.1			
Conductivity (field)	2490	3840	2420			
Temp. (field)	12.5	11.1	29.9			
Sample Discharge Rate	0.6	0.7				
Chloromethane			0			
Bromomethane			0			
Vinyl Chloride			0			
Chloroethane			0			
Methylene Chloride			8			
Acetone			20			
Carbon Disulfide			0			
1,1-Dichloroethene			0			
1,1-Dichloroethane			0			
Trans-1,2-Dichloroethene			0			
Chloroform			0			
1,2-Dichloroethane			0			
2-Butanone			0			
1,1,1-Trichloroethane			0			

Table A-19. Inorganic and VOA Data for June 25-July 7, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Carbon Tetrachloride			0			
Vinyl Acetate			0			
Bromodichloromethane			0			
1,2-Dichloropropane			0			
Trans-1,3-Dichloropropene			0			
Trichloroethene			0			
Dibromochloromethane			0			
1,1,2-Trichloroethane			0			
Benzene			0			
cis-1,3-Dichloropropene			0			
Bromoform			0			
4-Methyl-2-Pentanone			0			
2-Hexanone			0			
Tetrachloroethene			0			
1,1,2,2-Tetrachloroethane			0			
Toluene			0			
Chlorobenzene			0			
Ethylbenzene			0			
Styrene			0			
Total Xylenes			0			
COD			55			
Nitrate			5.5			
Nitrite						
Bicarbonate						
Carbonate						
Fluoride						
Chloride						
Bromide						
Thiocyanate						
Arsenic			0			
Lead			0			

Table A-19. Inorganic and VOA Data for June 25-July 7, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Selenium			0			
Mercury			0			
Aluminum			0			
Barium			66			
Calcium			116.00			
Cadmium			0			
Chromium			0			
Copper			0			
Iron			2030			
Potassium			67.1			
Lithium			0			
Magnesium			20			
Molybdenum			14			
Manganese			366			
Sodium			480			
Nickel			0			
Zinc			80			
Cations						
Anions						
SAR						
Total Kjeldahl Nitrogen			5.5			
Total Suspended Solids			0			

Table A-20. Inorganic and VOA Data for Sept. 6-14, 1988.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	9/14/88	9/14/88	9/12/88	9/7/88		9/7/88		9/9/88	9/7/88	9/14/88
Phenolics	0	0.036	0	0		0		0	0	0
Cyanide	0	0	0	0		0		0	0	0
Ammonia	3.2	9.5	2.7	4.2		5.2		2.6	3.6	3.6
TOC	31	0	33	0		17		26	0	40
TDS	1970	1160	1550	976		2202		1620	540	2260
Sulfide	0	0	3.4	0		0		0	0	2.6
Sulfate	620	10	400	190		920		520	76	890
Boron	0.025	0.056	0.031	0.067		0.049		0.015	0.034	0.015
Alkalinity (lab)	951	995	806	713		878		693	455	734
Alkalinity (field)	903.6			722.9		895.5		642.6	453.8	690.8
pH (lab)	7.7	10.3	7.9	7.6		9.0		8.3	7.3	7.5
pH field)	7.75	10.47	7.96	7.80		9.15		8.25	7.67	7.60
Eh (field)	-10.2	303.8	114.0	99.8		15.9		262.4	222.3	171.7
Conductivity (field)	2480	3100	1880	1360		2860		2170	760	2920
Temp. (field)	8.8	10.9	7.3	13.5		12.8		13.4	13.0	9.2
Sample Discharge Rate	0.4		0.3	0.4		0.9		0.5	0.3	0.5
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-20. Inorganic and VOA Data for Sept. 6-14, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	9/13/88	9/12/88	9/9/88	9/9/88	9/12/88	9/9/88	9/8/88	9/8/88	9/8/88	9/7/88
Phenolics	0	0	0	0	0	0.031	0	0	0	0
Cyanide	0	0	0	0	0	0	0	0	0	0
Ammonia	6.3	2.6	2.4	3.6	2.8	2.8	2.2	2.3	2.5	2.5
TOC	73	58	24	34	97	34	25	27	24	27
TDS	4030	1490	1410	2330	1470	1540	1500	1350	1490	1454
Sulfide	0	0	1.7	0	2.9	3.6	0	0	0	0
Sulfate	2260	450	370	1150	280	440	380	150	410	450
Boron	0.016	0.011	0.029	0.010	0.012	0.020	0.023	0.034	0.026	0.013
Alkalinity (lab)	582	659	775	595	871	741	698	990	797	761
Alkalinity (field)	570.3	666.7		602.4	903.6	743.0	702.8	983.9	783.1	783.1
pH (lab)	7.3	8.0	8.2	8.1	7.9	8.2	8.3	8.3	8.3	8.1
pH field)	7.85	8.30	8.12	8.17	8.09	8.10	8.23	7.97	8.12	8.45
Eh (field)	221.1	61.7	222.1	118.4	28.0	151.2	150.1	173.9	125.9	152.6
Conductivity (field)	4930	2010	1940	3080	2060	2150	1990	1820	1980	2020
Temp. (field)	8.6	10.2	13.7	12.2	9.2	10.4	11.4	15.6	13.4	12.1
Sample Discharge Rate	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.2	0.3	0.5
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-20. Inorganic and VOA Data for Sept. 6-14, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	9/13/88	9/13/88	9/13/88	9/13/88		
Phenolics	0	0	0.490	0.560		
Cyanide	0	0	0	0		
Ammonia	3.0	5.3	5.9	9.9		
TOC	34	45	29	25		
TDS	1770	2740	2010	2220		
Sulfide	0	1.3	0	4.2		
Sulfate	600	1220	680	930		
Boron	0.015	0.020	0.247	1.170		
Alkalinity (lab)	834	896	894	736		
Alkalinity (field)	803.2	883.5	983.6	722.9		
pH (lab)	7.5	7.3	7.8	8.5		
pH field)	8.16	7.90	7.89	8.67		
Eh (field)	96.4	18.7	319.8	59.2		
Conductivity (field)	2360	2550	2960	3500		
Temp. (field)	9.6	7.9	18.8	25.0		
Sample Discharge Rate	0.5	0.3	20.0	35.0		
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-21. Inorganic and VOA Data for Oct. 25, 1988.

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date			10/25/88			
Phenolics			0			
Cyanide			0			
Ammonia			2.0			
TOC			24			
TDS			1680			
Sulfide			0			
Sulfate			680			
Boron			0.211			
Alkalinity (lab)			596			
Alkalinity (field)						
pH (lab)			8.3			
pH field)						
Eh (field)						
Conductivity (field)						
Temp. (field)						
Sample Discharge Rate						
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-22. Inorganic and VOA Data for Nov. 29 - Dec. 5, 1988.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	12/4/88	12/5/88	12/4/88	11/29/88		11/29/88	12/5/88	12/1/88	11/29/88	12/4/88
Phenolics	0	0.030	0	0		0	0.034	0	0	0
Cyanide	0	0	0	0		0	0	0	0	0
Ammonia	2.9	10.0	2.8	3.9		4.5	16.0	3.0	3.6	4.1
TOC	26	14	28	22		0	15	34	0	54
TDS	1830	1440	1650	980		2160	711	1930	530	2620
Sulfide	0	1.2	0	0		0	0	0	0	0
Sulfate	640	0	600	160		800	19	750	76	1100
Boron	0.018	0.059	0.024	0.056		0.065	0.141	0	0.025	0
Alkalinity (lab)	703	1310	670	700		850	597	627	450	803
Alkalinity (field)	734.9		678.7	704.5		847.4	590.4	655.1	461.8	831.3
pH (lab)	7.4	10.0	7.2	7.5		9.0	10.4	8.0	7.1	7.3
pH field)	8.26	10.44	7.92	7.54		8.84	10.85	8.28	7.34	7.96
Eh (field)	23.6	160.5	61.1	115.2		3.2	98.3	181.5	157.8	109.9
Conductivity (field)	2460	2260	2245	1470		3050	1100	2630	850	3140
Temp. (field)	8.8	7.8	8.3	6.4		7.2	8.3	8.7	7.2	9.0
Sample Discharge Rate	0.9		0.7	0.9		0.8		0.6	0.5	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-22. Inorganic and VOA Data for Nov. 29 - Dec. 5, 1988 (Cont.).

Parameter	TW-2	TW-3	TW-4	TW-5	TW-11	TW-12	TW-13	TW-14a	TW-15	TW-16
Date	12/4/88	12/3/88	12/2/88	12/1/88	12/3/88	12/3/88	12/2/88	12/1/88	12/2/88	12/2/88
Phenolics	0	0	0	0	0	0	0	0.023	0	0
Cyanide	0	0	0	0	0	0	0	0	0	0
Ammonia	6.2	2.5	2.4	3.6	3.6	2.9	2.3	2.3	2.1	2.3
TOC	70	22	31	36	27	19	22	28	28	26
TDS	3950	1560	1500	2390	1600	1630	1490	1420	1340	1430
Sulfide	0	0	0	0	0	0	0	0	0	0
Sulfate	2110	510	410	1080	500	590	450	310	230	340
Boron	0	0.013	0.014	0.023	0.013	0.012	0.022	0.025	0.013	0.018
Alkalinity (lab)	553	674	736	600	735	669	681	778	867	774
Alkalinity (field)	554.2	706.8	770.4	622.1	759.0	690.8	706.8	821.9	906.4	819.9
pH (lab)	7.1	7.4	8.1	8.0	8.0	8.0	8.1	8.2	8.3	8.2
pH field)	7.91	8.19	8.19	8.36	8.11	8.29	8.32	8.47	8.52	8.48
Eh (field)	85.7	15.7	146.6	119.1	36.3	124.8	100.2	91.6	87.9	79.5
Conductivity (field)	4900	2160	2070	3160	2180	2220	2050	1880	1900	1970
Temp. (field)	8.1	10.8	9.2	8.5	8.9	8.5	8.5	8.4	8.8	9.4
Sample Discharge Rate	0.6	0.7	1.0	0.6	0.8	0.9	0.7	0.3	0.5	0.8
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-22. Inorganic and VOA Data for Nov. 29 - Dec. 5, 1988 (Cont.).

Parameter	TW-17	TW-18	VIW-1	CPW-1	CCW-1/ CPW-2	EMW-7
Date	12/3/88	12/3/88	12/4/88	12/5/88		
Phenolics	0	0	0	0		
Cyanide	0	0	0	0		
Ammonia	3.2	9.4	2.9	5.7		
TOC	43	88	20	25		
TDS	2060	3950	2100	2630		
Sulfide	0	0	0	0		
Sulfate	780	2050	880	680		
Boron	0.014	0.021	0.409	0.087		
Alkalinity (lab)	710	588	681	1300		
Alkalinity (field)	706.8	606.4	670.7	1313.2		
pH (lab)	7.4	7.3	7.2	7.5		
pH field)	8.23	7.91	7.92	7.91		
Eh (field)	92.9	53.1	5.1	-21.0		
Conductivity (field)	2770	4710	2690	3580		
Temp. (field)	9.5	9.3	24.5	15.8		
Sample Discharge Rate	0.8	0.8	0.9	0.8		
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-23. Inorganic and VOA Data for March 4-9, 1989.

Parameter	EMW-1	EMW-2	EMW-3	EMW-4	EMW-5	EMW-6	EMW-8	EMW-9	EMW-10	EMW-11a
Date	3/7/89	3/9/89	3/8/89	3/5/89		3/9/89	3/9/89	3/4/89	3/4/89	3/8/89
Phenolics	0	0.057	0	0		0	0	0	0	0
Cyanide	0	0	0	0		0	0	0	0	0
Ammonia	5.2	7.8	2.8	4.1		5.7	3.7	3.3	3.8	4.5
TOC	32	0	20	0		0	0	38	0	45
TDS	2430	1380	1620	980		1880	1320	2050	540	2720
Sulfide	1.9	0	0	0		0	0	0	0	0
Sulfate	750	5	470	160		610	13	920	80	1060
Boron	0	0.064	0	0.064		0.042	0.065	0	0.030	0
Alkalinity (lab)	1184	1280	749	695		855	1120	603	442	990
Alkalinity (field)	1212.8		594.4	722.9				542.2	381.5	1004.0
pH (lab)	7.6	9.7	7.3	7.5		10.0	8.9	8.2	7.2	7.4
pH field)	7.51		7.87	7.61				8.28	7.36	7.90
Eh (field)	20.6		17.1	110.0				151.7	150.0	65.9
Conductivity (field)	3310		2295	1440				2920	820	3640
Temp. (field)	8.8		9.1	6.9				7.1	2.8	9.8
Sample Discharge Rate	1.0		0.9	0.9				1.2	0.4	0.9
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	6	0	0		0	0	0	5	0
Acetone	0	74	0	0		21	56	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-23. Inorganic and VOA Data for March 4-9, 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	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	28	0	23	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	88	0	55	0		0	0	110	0	120
Nitrate	0	0	0	0		0.04	0	0	0	0
Nitrite	0	0	0	0		0	0	0	0	0
Bicarbonate	1180	841	747	693		328	1050	595	441	987
Carbonate	4	433	1	2		519	72	8	0	3
Fluoride	1.1	1.9	1.7	0		2.4	1.9	1.4	0	0.9
Chloride	18.0	53.0	5.0	6.9		33.0	55.0	14.0	2.9	23.0
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	19	0	0	0

Table A-23. Inorganic and VOA Data for March 4-9, 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	0
Mercury	0	0	0	0		0.52	0.37	0	0	0
Aluminum	0	3960	0	0		697	1400	0	0	0
Barium	79	3000	68	36		108	447	46	58	68
Calcium	30.00	348.00	9.82	16.80		20.00	36.30	10.30	57.60	34.00
Cadmium	0	0	0	0		0	0	0	0	0
Chromium	0	20	0	0		76	0	0	0	0
Copper	0	47	0	0		39	25	0	0	80
Iron	200	6170	109	441		588	2610	17	639	199
Potassium	9.72	42.60	5.09	0		55.00	16.20	0	6.95	10.10
Lithium	125	174	74	99		123	118	72	45	128
Magnesium	13.60	14.80	5.81	7.69		3.10	6.85	5.87	29.10	23.90
Molybdenum	0	0	0	0		79	0	0	0	0
Manganese	12	277	5	12		29	107	4	55	13
Sodium	606	607	596	357		668	556	732	111	928
Nickel	0	0	0	0		0	0	0	0	0
Zinc	0	1110	0	0		60	252	0	0	0
Cations										
Anions										
SAR										
Total Kjeldahl Nitrogen	6.4	8.5	3.8	4.6		6.9	4.2	4.3	4.1	6.3
Total Suspended Solids	0	11100	0	0		170	140	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
Date	3/7/89	3/7/89	3/4/89	3/8/89	3/6/89	3/6/89	3/5/89	3/5/89	3/5/89	3/6/89
Phenolics	0	0	0	0.026	0	0	0	0	0	0
Cyanide	0	0	0	0	0	0	0	0	0	0
Ammonia	5.0	2.8	2.4	3.5	3.5	3.0	2.5	2.3	2.4	2.5
TOC	45	19	24	37	23	16	18	25	23	24
TDS	2760	1590	1460	2200	1600	1570	1430	1380	1420	1480
Sulfide	0	0	0	0	1	0	0	0	0	0
Sulfate	1310	530	410	1010	560	570	450	300	380	390
Boron	0	0	0	0	0	0	0	0	0	0
Alkalinity (lab)	741	714	742	636	705	646	677	790	772	747
Alkalinity (field)	791.2	763.0	743.0	674.7	763.0	670.7	682.7	783.1	823.3	787.1
pH (lab)	7.3	8.0	8.2	7.3	8.0	8.1	8.2	8.3	8.3	8.3
pH field)	7.72	8.10	8.55	8.18	7.84	7.96	8.40	8.50	8.49	8.33
Eh (field)	17.6	17.0	77.0	99.4	-1.5	98.6	94.6	86.3	39.1	63.8
Conductivity (field)	3760	2220	2010	3060	2215	2270	1995	1830	2030	2090
Temp. (field)	8.1	9.5	9.0	9.6	8.2	8.7	7.7	8.0	8.1	9.1
Sample Discharge Rate	0.9	0.8	1.2	1.0	0.9	0.9	0.9	0.5	0.3	1.0
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	5	0	0	0	0	0	0	0
Acetone	0	0	0	0	0	0	180	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