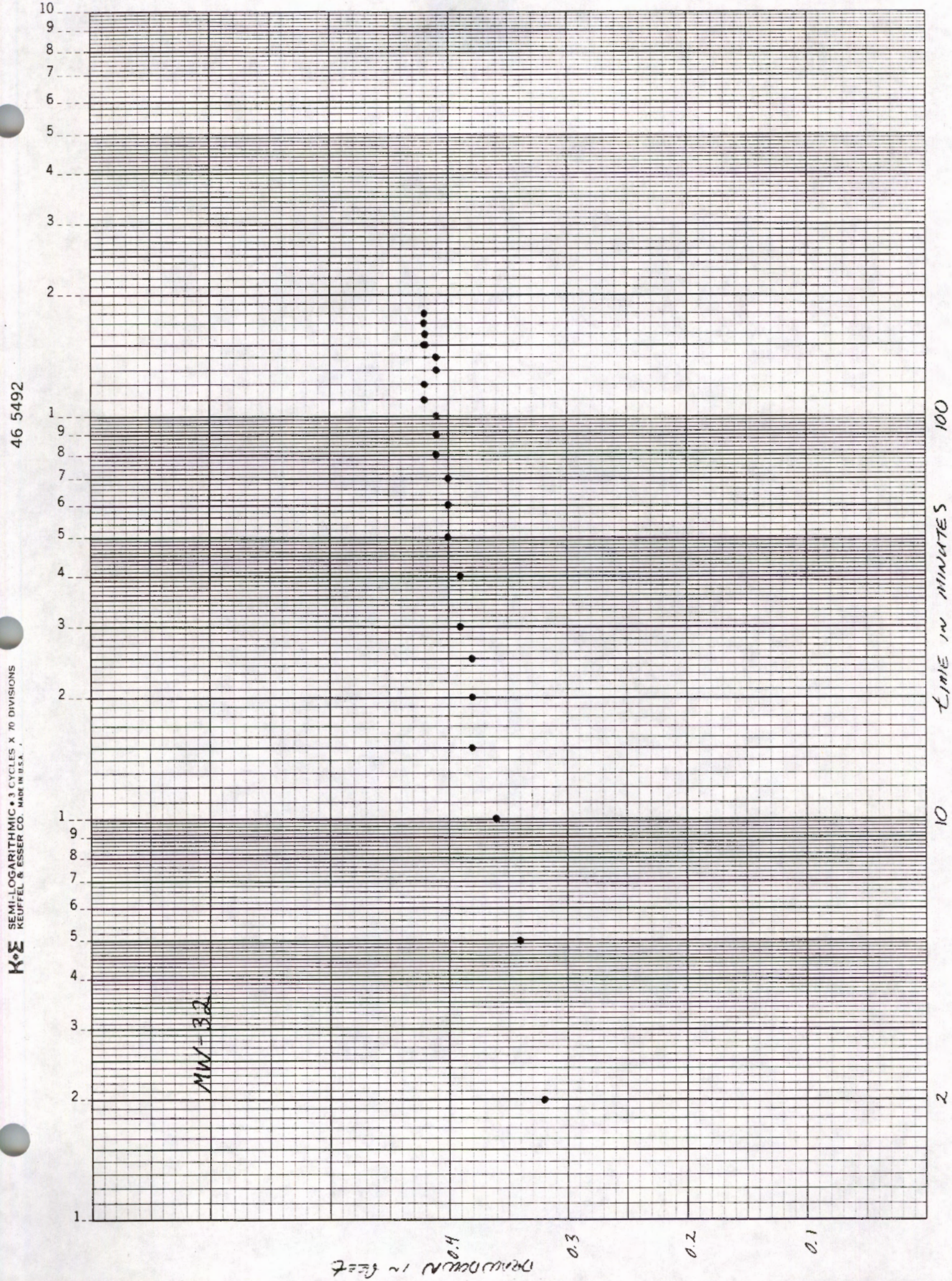
SE2000			
Environmental Logger			
4/22/96 10:41			
Unit# CHROME_L Test 1			
Setups:	INPUT 1	INPUT 2	INPUT 3
---	---	---	---
Type	Level (F)	Level (F)	Level (F)
Mode	TOC	TOC	TOC
I.D.	P1	MW31	P2
Reference	727.980	727.660	0.000
SG	1.000	1.000	1.000
Linearity	0.000	0.000	0.000
Scale factor	10.000	10.096	16.000
Offset	0.000	0.210	4.000
Delay mSEC	50.000	50.000	50.000
Step 0 04/18 11:49:01			
Elapsed Time	INPUT 1	INPUT 2	INPUT 3
---	---	---	---
0.000	725.939	726.331	-3.680
10.000	725.946	728.049	-3.715
20.000	725.955	728.059	-3.740
30.000	725.939	728.046	-3.806
40.000	725.943	728.040	-3.857
50.000	725.952	727.889	-3.872
60.000	725.952	728.049	-3.933
70.000	725.962	728.059	-3.968

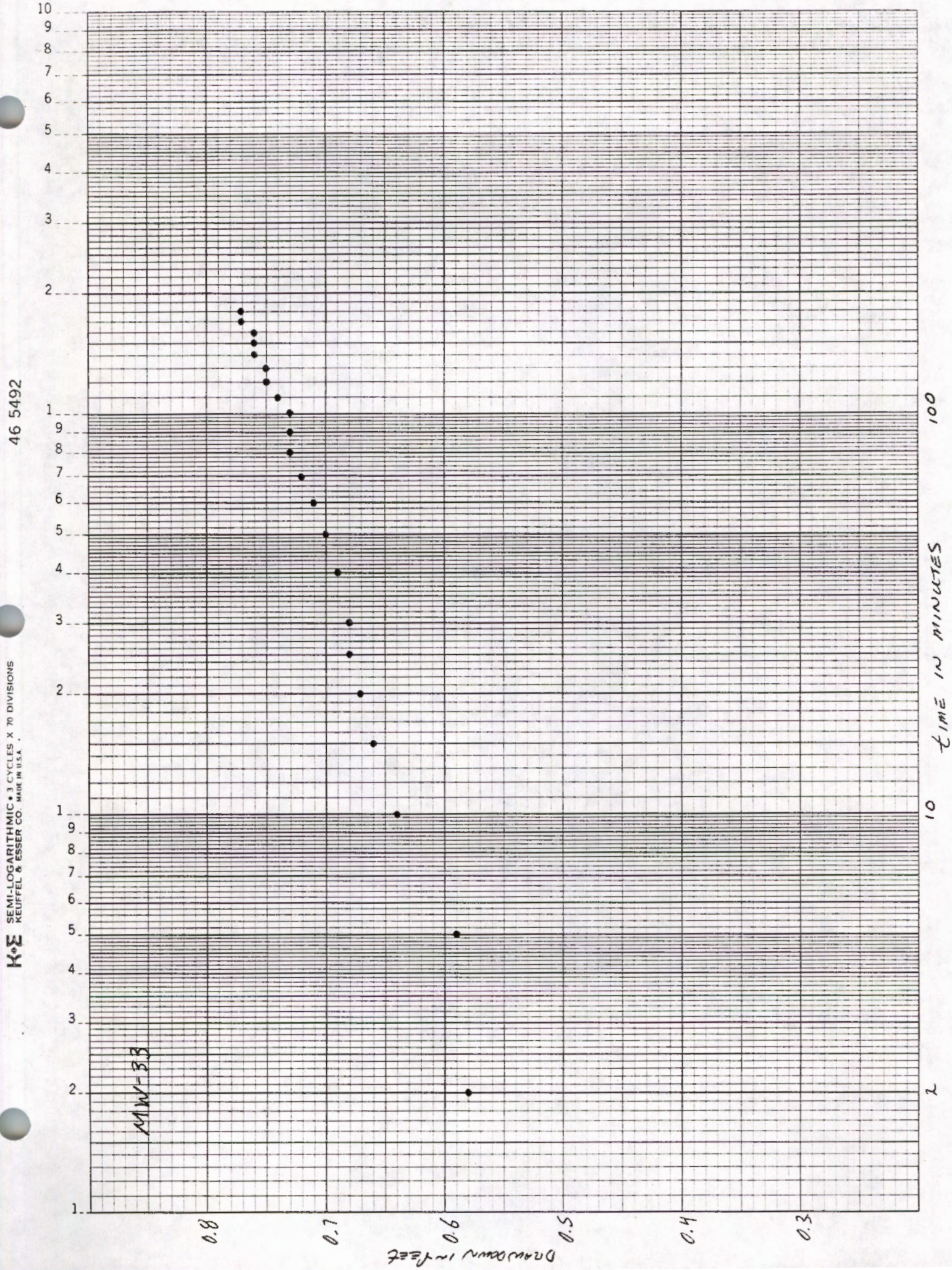
SE2000			
Environmental Logger			
4/22/96 10:46			
Unit# CHROME_L Test 2			
Setups:	INPUT 1	INPUT 2	INPUT 3
---	---	---	---
Type	Level (F)	Level (F)	Level (F)
Mode	TOC	TOC	TOC
I.D.	P1	MW31	P2
Reference	727.980	727.660	727.140
SG	1.000	1.000	1.000
Linearity	0.000	0.000	0.026
Scale factor	10.000	10.096	10.100
Offset	0.000	0.210	0.123
Delay mSEC	50.000	50.000	50.000
Step 0 04/18 13:37:47			
Elapsed Time	INPUT 1	INPUT 2	INPUT 3
---	---	---	---
0.000	725.958	726.337	727.085
10.000	725.958	728.052	727.085
20.000	725.962	728.052	727.072

SE2000		
Environmental Logger		
4/22/96 10:43		
Unit# CHROME_L Test 3		
Setups:	INPUT 1	INPUT 2
---	---	---
Type	Level (F)	Level (F)
Mode	TOC	TOC
I.D.	P1	P2
Reference	8.970	8.190
SG	1.000	1.000
Linearity	0.000	0.000
Scale factor	10.000	10.096
Offset	0.000	0.210
Delay mSEC	50.000	50.000
Step 0 04/19 08:55:15		
Elapsed Time	INPUT 1	INPUT 2
---	---	---
0.000	8.922	8.183
10.000	8.941	8.202
20.000	8.951	8.212
30.000	8.960	8.218
40.000	8.963	8.221
50.000	8.960	8.221
60.000	8.970	8.228
70.000	8.970	8.228
80.000	8.966	8.221
90.000	8.976	8.231
100.000	8.966	8.221
110.000	8.944	8.218
120.000	8.973	8.228
130.000	8.982	8.241
140.000	8.957	8.215
150.000	8.970	8.228
160.000	8.970	8.234
170.000	8.979	8.234
180.000	8.979	8.241

SE2000		
Environmental Logger		
4/22/96 10:48		
Unit# CHROME_L Test 4		
Setups:	INPUT 1	INPUT 2
---	---	---
Type	Level (F)	Level (F)
Mode	TOC	TOC
I.D.	P1	P2
Reference	8.985	8.205
SG	1.000	1.000
Linearity	0.000	0.000
Scale factor	10.000	10.096
Offset	0.000	0.210
Delay mSEC	50.000	50.000
Step 0 4/19/1996 12:00:00 PM		
Elapsed Time	INPUT 1	INPUT 2
---	---	---
0.000	8.959	8.192
10.000	8.956	8.220
20.000	8.956	8.224
30.000	8.950	8.214
40.000	8.962	8.224
50.000	8.966	8.233
60.000	8.966	8.224
70.000	8.959	8.227
80.000	8.969	8.233
90.000	8.972	8.233
100.000	8.956	8.217
110.000	8.934	8.211

SE2000		
Envoronmental Logger		
4/22/96 10:50		
Unit# CHROME_L Test 4		
Setups:	INPUT 1	INPUT 2
---	---	---
Type	Level (F)	Level (F)
Mode	TOC	TOC
I.D.	P1	P2
Reference	8.985	8.205
SG	1.000	1.000
Linearity	0.000	0.000
Scale factor	10.000	10.096
Offset	0.000	0.210
Delay mSEC	50.000	50.000
Step 1 4/19/1996 2:00:00 PM		
Elapsed Time	INPUT 1	INPUT 2
---	---	---
0.000	9.019	8.230
10.000	9.000	8.211


K+E SEMI-LOGARITHMIC • 3 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 5492
MW-32
TIME IN MINUTES
DRAWDOWN IN FEET
100
10
2
0.4
0.3
0.2
0.1


K+E SEMI-LOGARITHMIC • 3 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 5492
MW-33
TIME IN MINUTES
DRAWDOWN IN FEET
100
10
1
0.8
0.7
0.6
0.5
0.4
0.3

Appendix D.
Non-CLP Ground Water Data.

Sample Number	MW-31	MW-32	MW-33	MW-34
pH	6.68	6.96	6.64	6.74
Specific Conductance (umho/cm)	0.90	0.70	0.90	0.70
Temperature (^{o} C)	10.40	9.10	8.10	10.00
Dissolved Oxygen (mg/l)	13.70	11.60	11.20	12.40
Turbidity (Ntu)	14	0	16	22
Alkalinity (mg/l	285	269	290	263
Total Hardness (mg/l)	380	332	362	325
TDS (mg/l)	492	395	428	399
TSS (mg/l)	11	<10	26	12

Amphenol Franklin Curtis RFI
Inorganic Data Validation
April 4 & 5, 1996 Soil Samples

1. Introduction

This report summarizes the validation of 9 soil samples and one rinsate blank collected for the Amphenol Franklin Curtis RFI. The samples were analyzed by the Southwest Laboratory of Broken Arrow, OK for metals and cyanide (total and amenable). Data validation was performed according to the USEPA National Functional Guidelines for Inorganic Analysis (1994) and the Project QAPP.

2. Data Package Completeness

The data package was complete and legible. The laboratory did not analyze the field duplicate for MW-31 6.0-8.0 ft. All other analyses requested were completed by the laboratory.

3. Holding Times

All samples were analyzed within the required holding times.

4. Calibration Verification Results

All calibrations were acceptable. Initial calibration verifications (ICV) and continuing calibration verifications (CCV) were analyzed at the appropriate frequency and were within the 90%-110% control limit.

5. Field and Laboratory Blanks

The calibration and preparation blanks for the rinsate sample contained low levels of barium, beryllium, copper, selenium, and thallium at the MDL. The calibration and preparation blanks for the soil samples contained low levels of antimony, cadmium, and copper at the MDL. No qualification is required since the values were too low to affect the sample data. Blanks for cyanide were negative indicating lower absorbance than the first blank analyzed. This also would not affect the quality of the data. All other laboratory blanks contained no detectable contamination.

The rinsate blank contained low levels of copper (22.1 ug/l) and zinc (28.7 ug/l). Metals at theses levels would not affect the soil data. No other elements were detected in the rinsate blank at the reporting limits..

6. ICP Interference Check Sample Results

ICP interference check samples were analyzed at the required frequency and the results were within 20% of the true value.

7. Laboratory Control Sample Results

Laboratory control samples were analyzed at the required frequency and were within the 80%-120% control limit.

8. Laboratory and Field Duplicate Results

A field duplicate was designated on the chain of custody however the laboratory did not analyze the sample. The laboratory duplicate exceeded 30% RPD for the following parameters:

Element	% RPD
Aluminum	76.9
Antimony	39.4
Barium	64.3
Cadmium	34.5
Chromium	57.8
Cobalt	63.4
Copper	98.9
Iron	104.4
Magnesium	77.7
Manganese	75.9
Nickel	46.4
Vanadium	40.9
Zinc	84.6
Cyanide	84.6

Due to the absence of a field duplicate analysis and the poor precision encountered with this sample, the results for the above metals are qualified as estimated (J) in all samples .

Duplicate precision for amenable cyanide on MW-31 6.0-8.0 ft was 200%. This was based on one BDL result (0.5 mg/kg) and the other at 0.74 mg/kg. This result was not qualified due to the proximity to the LOD.

9. Matrix Spike Recovery Results

MS/MSD samples were not designated on the chain of custody. The laboratory did not perform a MS/MSD analysis.

10. Furnace Atomic Absorption Results

Duplicate injections were performed for all furnace elements. All duplicate injections were within 20% RPD.

11. ICP Serial Dilution Results

The ICP Serial Dilutions for iron and manganese exceeded the 10% control limit on all samples. The results for these elements are qualified as estimated (J) due to matrix interference.

12. Post Digestion Spikes

The following furnace post digestion spikes exceeded the 85-115% control limit:

GW-MW-32 6.0-8.0 ft	Thallium, total	55 % R
GW-MW-32 8.8-9.3 ft	Thallium, total	47 % R
	Selenium, total	77 % R
GW-MW-33 6.0-7.0 ft	Thallium, total	49 % R
	Selenium, total	70 % R
	Arsenic, total	78 % R
GW-MW-33 9.0-9.5 ft	Thallium, total	55 % R
GW-MW-34 6.0-8.0 ft	Thallium, total	60 % R
	Selenium, total	70 % R
GW-MW-31 6.0-8.0 ft	Thallium, total	70 % R
	Selenium, total	80 % R
GW-MW-31 14-15 ft	Thallium, total	83 % R
	Selenium, total	84 % R

13. Detection Limit Results

All methods exhibited appropriate sensitivity to achieve the required detection limits.

14. Sample Results

Raw data results were compared with the final report and all values were correctly reported. Based on professional judgment, the data can be used with the qualifications outlined in Table 1.

Table 1

Amphenol Franklin Curtis RFI
Inorganic Data Validation
April 4 & 5, 1996 Soil Samples

Sample	MW-32 6.0-8.0 ft	MW-32 8.8-9.3 ft	MW-33 6.0-7.0 ft	MW-33 9.0-9.5 ft	MW-34 6.0-8.0 ft	MW-34 17.0-17.5 ft	MW-31 6.0-8.0 ft	MW-31 14.0-15.0 ft
Aluminum	1200 J	4260 J	1610 J	2410 J	1600 J	4050 J	1700 J	3530 J
Antimony	3.3 UJ	1.8 UJ	1.9 UJ	2.8 BJ	2.3 BJ	1.8 UJ	2.7 BJ	1.8 UJ
Arsenic	*	*	0.52 BJ	*	*	*	*	*
Barium	5.3 J	32.9 J	7.2 J	21.6 J	11.4 J	46.5 J	15.1 J	46.0 J
Cadmium	0.22 BJ	0.19 UJ	0.20 J	0.25 BJ	0.27 BJ	0.31 BJ	0.28 BJ	0.19 UJ
Chromium	3.2 J	6.5 J	3.5 J	5.0 J	4.1 J	7.3 J	4.6 J	6.4 J
Cobalt	1.5 BJ	4.8 J	1.8 BJ	3.7 J	3.0 J	5.0 J	2.7 J	5.0 J
Copper	5.4 J	12.7 J	7.5 J	8.0 J	9.9 J	13.5 J	15.6 J	14.7 J
Iron	3850 J	11900 J	3810 J	7790 J	9910 J	10900 J	10200 J	10500 J
Magnesium	65000 J	31600 J	20800 J	54800 J	33200 J	28700 J	39200 J	29500 J
Manganese	149 J	181 J	119 J	191 J	307 J	264 J	637 J	260 J
Nickel	2.9 BJ	18.5 J	4.9 J	5.7 J	10.7 J	13.3 J	10.3 J	13.8 J
Thallium	0.24 UJ	0.25 UJ	0.25 UJ	0.24 UJ	0.023 UJ	*	0.23 UJ	0.3 BJ
Selenium	*	0.31 UJ	0.32 UJ	*	0.29 UJ	*	0.29 UJ	0.31 UJ
Vanadium	5.7 J	10.9 J	4.7 J	8.0 J	6.8 J	10.5 J	8.1 J	9.4 J
Zinc	12.8 J	31.7 J	18.5 J	17.0 J	34.6 J	33.5 J	36.2 J	34.0 J
Cyanide	1.3 J	0.89 J	0.21 BJ	1.5 J	0.64 J	1.3 J	0.33 BJ	0.89 J

* Data point not qualified

Amphenol Franklin Curtis RFI
Volatile Organics Data Validation
April 4 & 5, 1996 Soil Samples

1. Introduction

This report summarizes the validation of 9 soil samples and one rinsate blank samples collected for the Amphenol Franklin Curtis RFI on April 4 & 5, 1996. The samples were analyzed by the Southwest Laboratory of Broken Arrow, OK for Volatile Organics. Data validation was performed according to the USEPA National Functional Guidelines for Organic Analyses (1994) and the Project QAPP..

2. Data Package Completeness and Accuracy

All forms and data necessary for validation were included in the data package.

3. Holding Times

All samples were analyzed within the two week hold time.

4. GC/MS Instrument Performance Check

BFB was analyzed at the required frequency. Mass spectra for BFB met the required ion abundances.

5. Initial Calibration

The following initial calibration standard RRFs were greater than 30% RSD:

Chloroethane	53.8% RSD
Methylene chloride	98.5% RSD
Acetone	95.6% RSD
2-Butanone	49.0% RSD
Bromoform	31.5% RSD
4-Methyl-2-pentanone	51.1% RSD
2-Hexanone	59.8% RSD
1,1,2,2-Tetrachloroethane	41.9% RSD
2-Chloroethyl vinylether	35.8% RSD

The exceeding of %RSD criteria for these compounds was caused by high RFs in the 5 ppb standard. This deviation would not affect non-detectable samples as it indicates increased sensitivity at the low end of the curve. Only acetone and methylene chloride were detected in the RFI samples. All results for these compounds are considered estimated (J).

All other initial calibration compounds were less than 30% RSD. All RRFs were greater than 0.05.

6. Continuing Calibration Check

The compounds listed in Table 1 exceed 25% RSD in the continuing calibration standard. None of the * compounds were detected in the corresponding RFI samples. Compounds with positive % RSDs do not require qualification since there was sufficient instrument sensitivity to compensate for a lower response.

All RRFs were > 0.05 in the continuing calibration check standard.

Table 1
Continuing Calibration Standard Performance Deviations

Compound	% RSD
Bromomethane*	-56.0
Methylene chloride	54.5
Acetone	43.6
2-Butanone*	38.7
Carbon tetrachloride*	-25.6
4-Methyl-2-pentanone*	40.9
2-Hexanone*	46.0
Vinyl acetate*	40.2

Acetone and methylene chloride were detected in the RFI samples. Results for these compounds are qualified as estimated (J).

7. Blanks

Instrument blanks contained methylene chloride at 4 ug/kg and 12 ug/kg. All samples containing methylene chloride at levels of 20 ug/kg (4/10/96) and 60 ug/kg (4/11/96) are qualified as estimated (JB) due to potential blank contamination. All other instrument blanks were acceptable.

The equipment blank contained 760/730 ug/l of acetone. Results for this compound are qualified as estimated due to potential field contamination. All other rinsate blank compounds were not detected.

8. System Monitoring Compounds

All surrogate recoveries were within acceptable limits.

9. MS/MSD

Trichloroethylene in sample MW 31 6.0-8.0 ft. was recovered at 15% and 86% yielding an RPD of 129%. Results of trichloroethylene in this sample are considered estimated due to matrix problems (J). The %RPD for 1,1-Dichloroethylene was 33%. Results for this compound are considered estimated (J).

All other MS/MSD compounds were within 25% RPD and 75%-125% recovery.

10. LCS

The LCS samples were analyzed at the required frequency and were within acceptable limits.

11. Internal Standards

Internal standards were within acceptable limits for all samples.

12. Detection Limits

RFI detection limits were obtained on all samples.

13. Duplicate Analysis

Field duplicates were within acceptable limits for all compounds except acetone and methylene chloride. These compounds were detected in the blank and therefore, the results are estimated (JB).

14. Data Accuracy

All quanitations were performed correctly. Mass spectra indicated proper compound identification.

15. Overall Assessment of the Data

Based on professional judgment, this data set can be used with the qualification listed on Table 2.

Table 2

Amphenol Franklin Curtis RFI
Volatile Organics Data Validation
April 4 & 5, 1996 Soil Samples

Sample	Methylene Chloride	Acetone	Trichloroethylene	1,1-Dichloroethene
MW-31 6-8 ft	8 JB	20 JB	4 J	5 UJ
MW-31 6-8 ft Dup	9 JB	9 JB	5 J	5 UJ
MW-31 14-15 ft	21 JB	20 JB	*	*
MW-32 6-8 ft	7 JB	6 JB	*	*
MW-32 8.8-9.3 ft	10 JB	20 JB	*	*
MW-33 6-7 ft	8 JB	12 JB	*	*
MW-33 9-9.5 ft	12 JB	27 JB	*	*
MW-34 6-8 ft	7 JB	6 JB	*	*
MW-34 17-17.5 ft	15 JB	37 JB	*	*
Rinsate Blank	*	*	*	*

* Data point not qualified

Amphenol Franklin Curtis RFI
Inorganic Data Validation
April 11, 1996 Water Samples

1. Introduction

This report summarizes the validation of 6 water samples and one equipment blank collected for the Amphenol Franklin Curtis RFI. The samples were analyzed by the Southwest Laboratory of Broken Arrow, OK for metals, cyanide (total and amenable), TSS, TDS, hardness, and alkalinity. Data validation was performed according to the USEPA National Functional Guidelines for Inorganic Analysis (1994) and the Project QAPP.

2. Data Package Completeness

The data package was complete and legible. All analyses requested were completed by the laboratory.

3. Holding Times

All samples were analyzed within the required holding times.

4. Calibration Verification Results

All calibrations were acceptable. Initial calibration verifications (ICV) and continuing calibration verifications (CCV) were analyzed at the appropriate frequency and were within the 90%-110% control limit.

5. Field and Laboratory Blanks

The calibration blank for ICP contained 0.6 ug/l of copper. All copper results for samples associated with this blank were qualified as estimated (JB) if they were less than 5X the reported blank concentration (3 ug/l). All other laboratory blanks contained no detectable contamination.

The equipment blank contained the following concentrations of metals:

Total Barium	2.7 ug/l (13.5)
Total Calcium	199 ug/l (995)
Total Copper	2.3 ug/l (11.5)
Total Nickel	2.9 ug/l (14.5)

All results for these elements were qualified as estimated (JB) if less than 5X the reported blank concentration (5x limit). No other elements were detected in the equipment blank.

6. ICP Interference Check Sample Results

ICP interference check samples were analyzed at the required frequency and the results were within 20% of the true value.

7. Laboratory Control Sample Results

Laboratory control samples were analyzed at the required frequency and were within the 80%-120% control limit.

8. Laboratory and Field Duplicate Results

All laboratory duplicates were not designated on the chain of custody. The laboratory did not perform a duplicate analysis. The field duplicate for total iron and aluminum in GW-34 exceeded 30% RPD. All total iron and aluminum results for are qualified as estimated (J) due to poor field precision. All other field duplicate results were less than 30% RPD.

9. Matrix Spike Recovery Results

MS/MSD samples were not designated on the chain of custody. The laboratory did not perform a MS/MSD analysis.

10. Furnace Atomic Absorption Results

Duplicate injections were performed for all furnace elements. All duplicate injections were within 20% RPD.

11. ICP Serial Dilution Results

The ICP Serial Dilutions were acceptable.

12. Post Digestion Spikes

The following furnace post digestion spikes exceeded the 85-115% control limit

GW-MW--31	Arsenic, total	83 % R
	Thallium, total	75 % R
GW-MW-32	Lead, total	122 % R
	Thallium, total	79 %R
GW-MW-33	Lead, total	117 %R
GW-MW-34	Thallium, total	65 %R

The results for the above samples are qualified as estimated (J) due to matrix interference.

13. Detection Limit Results

All methods exhibited appropriate sensitivity to achieve the required detection limits. Several samples required dilution to eliminate background interferences.

14. Sample Results

Raw data results were compared with the final report and all values were correctly reported. Based on professional judgment, the data can be used with the qualifications outlined in Table 1.

Table 1

Amphenol Franklin Curtis RFI
Inorganic Data Validation
April 11, 1996 Water Samples

Sample	GW-MW-31	GW-MW-32	GW-MW-33	GW-MW-34	GW-MW-34D	GW-EB
Aluminum	219 J	173 J	297 J	122 J	198 J	*
Arsenic	1.6 UJ	*	*	*	*	*
Barium	*	*	*	*	*	2.7 JB
Calcium	*	*	*	*	*	199 JB
Copper	*	0.61 JB	1.1 JB	*	0.79 J	2.3 JB
Iron	391 J	343 J	514 J	329 J	536	*
Lead	*	1.3 UJ	1.3 UJ	*	*	*
Nickel	0.89 JB	*	1.9 JB	1.0 JB	1.4 JB	2.9 JB
Thallium	0.9 UJ	0.9 UJ	*	0.9 UJ	0.9 UJ	*

* Data point not qualified

Amphenol Franklin Curtis RFI
Volatile Organics Data Validation
April 11, 1996 Water Samples

1. Introduction

This report summarizes the validation of 8 water samples and 1 equipment blank collected for the Amphenol Franklin Curtis RFI on April 11, 1996. The samples were analyzed by the Southwest Laboratory of Broken Arrow, OK for Volatile Organics. Data validation was performed according to the USEPA National Functional Guidelines for Organic Analyses (1994) and the Project QAPP..

2. Data Package Completeness and Accuracy

All forms and data necessary for validation were included in the data package.

3. Holding Times

All samples were analyzed within the two week hold time.

4. GC/MS Instrument Performance Check

BFB was analyzed at the required frequency. Mass spectra for BFB met the required ion abundances.

5. Initial Calibration

The following initial calibration standard RRFs were greater than 30% RSD:

Bromomethane	42.9% RSD
Chloroethane	34.4% RSD

The exceeding of %RSD criteria for these compounds was caused by high RFs in the 5 ppb standard. This deviation would not affect non-detectable samples as it indicates increased sensitivity at the low end of the curve.

All other initial calibration compounds were less than 30% RSD. All RRFs were greater than 0.05.

6. Continuing Calibration Check

All continuing calibration compounds were less than 25% RPD.

All RRFs were > 0.05 in the continuing calibration check standard.

7. Blanks

All instrument blanks were acceptable.

The equipment blank contained 68 ug/l of acetone. Results for this compound are qualified as estimated due to potential field contamination.

8. System Monitoring Compounds

All surrogate recoveries were within acceptable limits.

9. MS/MSD

Trichloroethylene and 1,1-Dichloroethylene in samples MW-31 MS/MSD and MW-34 MS/MSD exceeded recovery and %RPD criteria. The results obtained are summarized below:

Sample	Trichloroethylene	1,1-Dichloroethylene
MW-31 MS	80%	84%
MW-31 MSD	0%	54%
RPD	200%	34%
MW-34 MS	100%	102%
MW-34 MSD	78%	133%
RPD	133%	27%

These results indicate a laboratory problem related to the analysis of these samples. Results for these two compounds are considered estimated (J) for the above samples.

All other MS/MSD compounds were within 25% RPD and 75%-125% recovery.

10. LCS

The LCS samples were analyzed at the required frequency and were within acceptable limits.

11. Internal Standards

Internal standards were within acceptable limits for all samples.

12. Detection Limits

RFI detection limits were obtained on all samples. Several samples contained high levels of halogenated volatile organics that exceeded linear range (MW-31, MW-34, and MW-12). The diluted results should be used for the RFI.

13. Duplicate Analysis

Field duplicates were within acceptable limits for all compounds.

14. Data Accuracy

All quanitations were performed correctly. Mass spectra indicated proper compound identification.

15. Overall Assessment of the Data

Based on professional judgment, this data set can be used with the qualification listed on Table 1.

Table 1

Amphenol Franklin Curtis RFI
Volatile Organics Data Validation
April 11, 1996 Water Samples

Sample	Acetone	Trichloroethylene	1,1-Dichloroethene
GW-MW-12	*	*	*
GW-MW-31	*	130 J	3 J
GW-MW-32	*	*	*
GW-MW-33	*	*	*
GW-MW-34	*	120 J	5 UJ
GW-MW-34D	*	160 J	5 UJ
GW-EB	68 J	*	*

* Data point not qualified

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ANALYTICAL REPORT

Mr. Tim Bannister
EMCON
7205 Shadeland Station
Suite 120
Indianapolis, IN 46256

08/10/1995

NET Job Number: 95.03158

Client Project ID: AMPHENOL - FRANKLIN

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 113763	SAMPLE DESCRIPTION EFF							DATE-TIME TAKEN 08/03/1995	
ICP METALS - DISS (AQ)	Complete			Complete	08/09/1995	dak		44	
Arsenic, diss. (ICP)	<0.20		mg/L	<0.20	08/09/1995	dak		44	S-6010
Cadmium, diss. (ICP)	<0.005		mg/L	<0.005	08/09/1995	dak		44	S-6010
Chromium, diss. (ICP)	<0.010		mg/L	<0.010	08/09/1995	dak		44	S-6010
Copper, diss. (ICP)	<0.020		mg/L	<0.020	08/09/1995	dak		44	S-6010
Lead, diss. (ICP)	<0.080		mg/L	<0.080	08/09/1995	dak		44	S-6010
Mercury, diss (CVAA)	<0.0005		mg/L	<0.0005	08/08/1995	grf		6	S-7470
Nickel, diss. (ICP)	<0.010		mg/L	<0.010	08/09/1995	dak		44	S-6010
Zinc, diss. (ICP)	<0.020		mg/L	<0.020	08/09/1995	dak		44	S-6010

NET NATIONAL ENVIRONMENTAL TESTING, INC.

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QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

Mr. Tim Bannister
EMCON
7205 Shadeland Station
Suite 120
Indianapolis, IN 46256

08/10/1995

NET Job Number: 95.03158

Analyte	Prep Batch No.	Run Batch No.	CCV True Value	CCV Conc Found	CCV % Rec	Flag	Date Analyzed
Arsenic, diss. (ICP)		44	5.0	5.21	104		08/09/1995
Cadmium, diss. (ICP)		44	5.0	5.31	106		08/09/1995
Chromium, diss. (ICP)		44	5.0	5.36	107		08/09/1995
Copper, diss. (ICP)		44	5.0	4.98	100		08/09/1995
Lead, diss. (ICP)		44	5.0	5.50	110		08/09/1995
Mercury, diss (CVAA)		6	0.015	0.0151	101		08/08/1995
Nickel, diss. (ICP)		44	5.0	5.39	108		08/09/1995
Zinc, diss. (ICP)		44	5.0	5.32	106		08/09/1995
VOLATILE- E-624 (AQ)							
Benzene		859	20.	18.	90		08/04/1995
Bromoform		859	20.	17.	85		08/04/1995
Chlorobenzene		859	20.	19.	95		08/04/1995
Chloroform		859	20.	20.	100		08/04/1995
Chloromethane		859	20.	23.	115		08/04/1995
1,1-Dichloroethene		859	20.	17.	85		08/04/1995
1,2-Dichloropropane		859	20.	18.	90		08/04/1995
Ethylbenzene		859	20.	18.	90		08/04/1995
Methylene chloride		859	20.	22.	110		08/04/1995
1,1,2,2-Tetrachloroethane		859	20.	19.	95		08/04/1995
Toluene		859	20.	19.	95		08/04/1995
Vinyl chloride		859	20.	20.	100		08/04/1995

NET® NATIONAL ENVIRONMENTAL TESTING, INC.

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QUALITY CONTROL REPORT
BLANKS

Mr. Tim Bannister
EMCON
7205 Shadeland Station
Suite 120
Indianapolis, IN 46256

08/10/1995

NET Job Number: 95.03158

Analyte	Prep Batch No.	Run Batch No.	Blank Value	Flag	Units	Reporting Limit	Date Analyzed
Arsenic, diss. (ICP)		44	<0.20		mg/L	<0.20	08/09/1995
Cadmium, diss. (ICP)		44	<0.005		mg/L	<0.005	08/09/1995
Chromium, diss. (ICP)		44	<0.010		mg/L	<0.010	08/09/1995
Copper, diss. (ICP)		44	<0.020		mg/L	<0.020	08/09/1995
Lead, diss. (ICP)		44	<0.080		mg/L	<0.080	08/09/1995
Mercury, diss (CVAA)		6	<0.0005		mg/L	<0.0005	08/08/1995
Nickel, diss. (ICP)		44	<0.010		mg/L	<0.010	08/09/1995
Zinc, diss. (ICP)		44	<0.020		mg/L	<0.020	08/09/1995
VOLATILE- E-624 (AQ)							
Acrolein		859	<50.		ug/L	<50.	08/04/1995
Acrylonitrile		859	<50.		ug/L	<50.	08/04/1995
Benzene		859	<5.0		ug/L	<5.0	08/04/1995
Bromodichloromethane		859	<5.0		ug/L	<5.0	08/04/1995
Bromoform		859	<5.0		ug/L	<5.0	08/04/1995
Bromomethane		859	<5.0		ug/L	<5.0	08/04/1995
Carbon tetrachloride		859	<5.0		ug/L	<5.0	08/04/1995
Chlorobenzene		859	<5.0		ug/L	<5.0	08/04/1995
Chloroethane		859	<10.		ug/L	<10.	08/04/1995
2-Chloroethyl vinyl ether		859	ND		ug/L	ND	08/04/1995
Chloroform		859	<5.0		ug/L	<5.0	08/04/1995
Chloromethane		859	<10.		ug/L	<10.	08/04/1995
Dibromochloromethane		859	<5.0		ug/L	<5.0	08/04/1995
1,2-Dichlorobenzene		859	<5.0		ug/L	<5.0	08/04/1995
1,3 Dichlorobenzene		859	<5.0		ug/L	<5.0	08/04/1995
1,4-Dichlorobenzene		859	<5.0		ug/L	<5.0	08/04/1995
1,1-Dichloroethane		859	<5.0		ug/L	<5.0	08/04/1995
1,2-Dichloroethane		859	<5.0		ug/L	<5.0	08/04/1995
1,1-Dichloroethene		859	<5.0		ug/L	<5.0	08/04/1995
trans-1,2-Dichloroethene		859	<5.0		ug/L	<5.0	08/04/1995
cis-1,2-Dichloroethene		859	<5.0		ug/L	<5.0	08/04/1995
1,2-Dichloropropane		859	<5.0		ug/L	<5.0	08/04/1995
cis-1,3-Dichloropropene		859	<5.0		ug/L	<5.0	08/04/1995
trans-1,3-Dichloropropene		859	<5.0		ug/L	<5.0	08/04/1995
Ethylbenzene		859	<5.0		ug/L	<5.0	08/04/1995

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QUALITY CONTROL REPORT
MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Mr. Tim Bannister
EMCON
7205 Shadeland Station
Suite 120
Indianapolis, IN 46256

08/10/1995

NET Job Number: 95.03158

Analyte	Prep Batch No.	Run Batch No.	Conc. Spike Added	Units	Sample Result	Conc. MS Result	MS % Rec.	Conc. MSD Result	MSD % Rec.	RPD	Flag	Date Analyzed
Arsenic, diss. (ICP)		44	1.0	mg/L	<0.20	1.02	102	0.971	97	4.8		08/09/1995
Chromium, diss. (ICP)		44	1.0	mg/L	<0.010	0.907	91	0.891	89	1.8		08/09/1995
Copper, diss. (ICP)		44	1.0	mg/L	0.02	0.902	88	0.867	85	4		08/09/1995
Lead, diss. (ICP)		44	1.0	mg/L	0.11	0.948	84	0.928	82	2.4		08/09/1995
Mercury, diss (CVAA)		6	0.015	mg/L	<0.0005	0.0152	101	0.0140	93	8.1		08/08/1995
Nickel, diss. (ICP)		44	1.0	mg/L	0.03	0.915	89	0.887	86	3.2		08/09/1995
Zinc, diss. (ICP)		44	1.0	mg/L	0.07	0.967	90	0.943	87	2.7		08/09/1995