QUARTERLY PROGRESS REPORT THIRD QUARTER 2003 AND REMEDIAL PROGRESS EVALUATION

FORMER TAYLOR INSTRUMENTS SITE
ROCHESTER, NEW YORK

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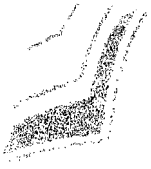

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LIST OF ACRONYMS

µg/L	micrograms per liter
CO_2	carbon dioxide
1,1-DCE	1,1-dichloroethylene
cis-1,2-DCE	cis-1,2-dichloroethylene
trans-1,2-DCE	trans-1,2-dichloroethylene
DO	dissolved oxygen
DPVE	dual-phase vacuum extraction
EPA	Environmental Protection Agency (United States)
MACTEC	MACTEC Engineering and Consulting, Inc.
mg/L	milligrams per liter
MS	matrix spike
MS/MSD	matrix spike/matrix spike duplicate
MSD	matrix spike duplicate
ND	not detected (nondetect)
NYSDEC	New York State Department of Environmental Conservation
O&M	operation and maintenance
ORP	oxidation-reduction potential
PARCC	precision, accuracy, representativeness, completeness, and comparability
QC	quality control
%R	percentage of recovery
RPD	relative percent difference
SQL	sample quantitation limit
System	dual-phase vacuum extraction and groundwater remedial treatment system
TCE	trichloroethylene
VOC	volatile organic compound

1.0 INTRODUCTION

This report summarizes activities and results for the third quarterly sampling event for the year 2003. It also discusses the continued remedial progress of the dual-phase vacuum extraction (DPVE) and bedrock groundwater extraction system (System) since start up in January 2001. This continued remedial evaluation is consistent with the statement of remedial action objectives in Section 2.2 of the approved Remedial Work Plan, April 2000. "The short term criteria (approximately 2 years) to track the effectiveness of the remediation of VOCs [volatile organic compounds] in groundwater is to demonstrate a downward trend in VOC concentrations achieved using a combination of active, passive, and enhanced biodegradation remedial technology approaches."

The third quarterly sampling event for 2003 was conducted in September. A summary of the quarterly sampling event results for 2001, 2002, and quarters one and two of 2003 are also included. These activities occurred at the former Taylor Instruments Site – New York State Department of Environmental Conservation (NYSDEC) Site #828028a located at 95 Ames Street in Rochester, New York (Figure 1 in Appendix A), pursuant to a Voluntary Cleanup Agreement.

The site's remedial progress since January 2001 has been measured by the change in trichloroethylene (TCE) concentrations in on-site monitor wells and System performance data including influent groundwater results and contaminant mass removal quantities to determine when extraction of this mass has reached asymptotic levels. TCE has been used to track remedial progress because it is the primary contaminant of concern remaining at the site.

Since initial startup of the remediation system in January 2001, over 35.9 million gallons of groundwater have been extracted and treated, resulting in the removal of 3,000 pounds of contaminants from the subsurface soil and groundwater. Overall declines of TCE contamination have occurred in the majority of on-site monitor wells since startup of the system. Additionally, off-site monitor wells have shown no detectable levels of contamination (Haley & Aldrich of New York, 2001a and 2001b).

2.0 SCOPE OF WORK

2.1 SEPTEMBER 2003 QUARTERLY SAMPLING EVENT

MACTEC Engineering and Consulting, Inc. (MACTEC) personnel performed the September sampling event to provide an inclusive set of groundwater analytical data for the third quarterly period of 2003. Forty samples were collected and submitted to Test America, Incorporated (Table 2-1). Thirty-nine samples were collected and submitted for volatile organic analyses by U.S. Environmental Protection Agency (EPA) Method 8260B. Of the 40 samples collected, 8 were also submitted for natural biodegradation parameters, which include nitrate by Method 353.2; sulfate by Method 9038; chloride by Method 325.3; total organic carbon by Method 415.1; ferrous iron by Method 3500D; methane, ethane and ethane by Method RKS175M; carbon dioxide by Method SM4500CO2C; and alkalinity by Method 310.1M. One sample was submitted for selected natural biodegradation parameters, which were alkalinity, chloride and carbon dioxide. Twenty-eight of the samples were environmental samples collected from monitor wells located on the site. Twelve of the forty samples were associated with quality control efforts. All environmental samples, including field duplicates and matrix spike/matrix spike duplicate (MS/MSD) samples, were collected using low-flow peristaltic pumps at flow rates <400 milliliters per minute (mL/min).

A summary of analytical results for the extraction, overburden, and bedrock monitor wells is presented in Tables 3-1, 3-2, and 3-3 and Figures 2 and 3 (Appendix A), respectively. Laboratory reports and chain-of-custody forms for all samples are located in Appendices B and C, respectively. Field measurements of pH, conductivity, temperature, turbidity, oxidation-reduction potential, and dissolved oxygen (DO) were collected during purging. Purge and sample data are presented on the field data records located in Appendix D.

2.2 TREATMENT SYSTEM OPERATION AND MAINTENANCE (O&M)

MACTEC provides full-scale O&M services for the System at the subject site. The System is monitored remotely on a daily basis via telemetry. Key operational data and alarms are accessed through the programmable logic controller via phone line which allows MACTEC personnel in Tennessee to determine the status of the System remotely and to quickly contact O&M personnel based in Rochester to perform maintenance, thus maximizing System runtime. Routine O&M activities are conducted monthly and major activities are conducted quarterly. These activities include the following:

Table 2-1
Samples and Analysis,
September 2003 Sampling Event

Quarterly Progress Report
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Rochester, New York

Sample ID	Sample Date	VOCs[1] Analysis	Natural Biodegradation Parameter Analysis[2]	Description
QATB01	9/16/03	X		Trip Blank
QAFB01	9/16/03	X		Field Blank
QARB01	9/16/03	X		Rinsate Blank
W-2	9/16/03		X[3]	Environmental Sample
TW-04	9/16/03	X	X	Environmental Sample
TW-17	9/16/03	X	X	Environmental Sample
TW-20	9/17/03	X	X	Environmental Sample
TW-07	9/17/03	X	X	Environmental Sample
TW-09	9/17/03	X	X	Environmental Sample
OB-09	9/17/03	X	X	Environmental Sample
OB-07	9/17/03	X	X	Environmental Sample
OB-07 (MS)	9/17/03	X		Matrix Spike
OB-07 (MSD)	9/17/03	X		Matrix Spike Duplicate
W-5	9/18/03	X	X	Environmental Sample
W-5 (DUP)	9/18/03	X		Duplicate
OB-06	9/18/03	X		Environmental Sample
BR-08	9/18/03	X		Environmental Sample
BR-17	9/18/03	X		Environmental Sample
BR-03	9/18/03	X		Environmental Sample
BR-14	9/19/03	X		Environmental Sample
BR-01	9/19/03	X		Environmental Sample
BR-02	9/19/03	X		Environmental Sample
BR-07	9/19/03	X		Environmental Sample
BR-07 (DUP)	9/19/03	X		Duplicate
BR-12	9/20/03	X		Environmental Sample
BR-12 (MS)	9/20/03	X		Matrix Spike
BR-12 (MSD)	9/20/03	X		Matrix Spike Duplicate
QATB02	9/19/03	X		Trip Blank
QAFB02	9/19/03	X		Field Blank
QARB02	9/19/03	X		Rinsate Blank

See notes at end of table.

Table 2-1 (Continued)
Samples and Analysis,
September 2003 Sampling Event

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Sample Date	VOCs[1] Analysis	Natural Biodegradation Parameter Analysis[2]	Description
BR-13	9/20/03	X		Environmental Sample
W-6	9/20/03	X		Environmental Sample
BR-15	9/21/03	X		Environmental Sample
BR-10	9/21/03	X		Environmental Sample
OB-04	9/21/03	X		Environmental Sample
BR-04	9/21/03	X		Environmental Sample
BR-05	9/21/03	X		Environmental Sample
BR-09	9/22/03	X		Environmental Sample
OB-08	9/22/03	X		Environmental Sample
BR-11	9/22/03	X		Environmental Sample

[1] VOCs analyzed by Method 8260B.

[2] Natural biodegradation parameters include nitrate by Method 353.2, sulfate by Method 9038, chloride by Method 325.3, total organic carbon by Method 415.1, sulfide by Method 376.1, ferrous iron by Method 3500D, methane by Method RSK175M, ethane by Method RSK175M, ethene by Method RSK175M, carbon dioxide by Method SM4500CO2C, and alkalinity by Method 310.1M. Natural biodegradation parameters are analyzed for in the March and September events only.

[3] Analyzed for alkalinity by Method 310.1M, chloride by Method 325.3, and carbon dioxide by Method SM4500CO2C.

Notes: ID = identification
VOC = volatile organic compound
DUP = duplicate
MS = matrix spike
MSD = matrix spike duplicate

Prepared by J. Peevler on 10/20/03

Checked by L. Barrentine on 10/30/03

- Monthly
  - Collecting System operational data including line pressures, equipment runtime, flow rates, vacuum levels, and other pertinent data.
  - Checking operation of all equipment for vibration or unusual noise, leaks, and unusual operation.
  - Collecting water levels from site monitor wells.
  - Checking filters, operating fluid levels, and cleanliness of vacuum and transfer pumps and groundwater treatment components.
  - Collecting System performance samples. Performance samples are collected from each vacuum pump and air stripper exhaust stack, and the influent and effluent of the air stripper.

- Quarterly
  - Completing all monthly activities.
  - Checking pump motors for wear.
  - Checking all electrical components for proper operation.
  - Cleaning groundwater treatment equipment.
  - Collecting System compliance samples.
  - Collecting compliance samples from the effluent of the System prior to discharge to the Monroe County Pure Waters Sewer System.

The O&M manual for the System contains the above information and full details of all equipment and components (Harding ESE, 2001).

3.0 SUMMARY OF RESULTS

Presented below are the results of the groundwater sampling events conducted from November 2000 to September 2003. Also included is a discussion of contaminant trends from the baseline event (November/ December 2000) through eleven quarterly events.

The wells sampled during the third quarterly (September 2003) event are divided into four categories. These categories are (1) the North and South TCE Source Areas; (2) Upgradient, which includes wells upgradient of the source areas; (3) Downgradient Perimeter, which includes wells downgradient of the source areas; and (4) Deep Bedrock, which includes BR-08 and BR-14. Well construction information is provided in Appendix E.

A summary of wells sampled and the analyses performed are found in Table 2-1. The baseline sampling event is summarized in Table 3-1. The sample results for the September 2003 sampling event are summarized in Tables 3-2 and 3-3. These tables present only detected volatile organic compound (VOC) results. Sample VOC results are also presented in "flag boxes" in Appendix A, Figures 2 and 3, representing overburden monitor wells and bedrock monitor wells. The following discussions will focus on TCE concentrations in the site's monitor wells. TCE concentration trend graphs for both overburden and bedrock monitor wells are provided in Appendix F. These graphs present data from the baseline, March 2001, June 2001, September 2001, December 2001, March 2002, June 2002, September 2002, December 2002, March 2003, June 2003 and September 2003 sampling events. Table 3-4 presents a summary of the decline of TCE concentrations over time in monitor wells. Comprehensive results can be found in the laboratory reports located in Appendix B.

3.1 NORTH AND SOUTH TCE SOURCE AREAS

Overburden Monitor Wells (South TCE Source Area)

Monitor wells OB-04 and OB-06 are both located within the South TCE Source Area while OB-07 is within the plume. Comprehensive results for these wells are presented in Table 3-2.

TCE concentrations in monitor wells OB-04 and OB-06 increased from levels detected in June 2003, but have continued to be below the highest results reported during baseline or post baseline sampling events, resulting in overall declines of 96 percent (Table 3-4).

Table 3-1
Summary of Extraction Well VOC Results for the Baseline Sampling Event

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
EW-N-1*	11/10/00	2,400	93	28 J	--	--
EW-N-2*	11/10/00	7,200	1,100	--	--	--
EW-N-3*	11/10/00	13,000	490 J	--	--	--
EW-N-4*	11/11/00	840	31	--	--	--
EW-N-5*	11/11/00	640	--	--	--	--
EW-N-6*	11/11/00	6,800	130 J	--	--	--
EW-S-1S*	11/10/00	160	16 J	--	--	--
EW-S-1S (DUP)*	11/10/00	170	18 J	--	--	--
EW-S-1D*	11/10/00	200,000	11,000	--	--	--
EW-S-2*	11/08/00	360	180	18	180	4.5 J
EW-S-3*	10/27/00	1,100	60	--	--	--
EW-S-4*	10/26/00	60,000	36,000	--	--	--
EW-S-5*	10/27/00	590,000	--	--	--	--
EW-S-6*	10/27/00	13,000	1,200	--	--	--
EW-S-7*	11/08/00	130,000	1,900 J	--	--	--
EW-S-8*	10/27/00	570,000	--	--	--	--
EW-S-9*	11/08/00	16,000	460 J	--	--	--
EW-S-10*	11/09/00	--	--	--	--	--
EW-S-11*	11/08/00	--	--	--	--	--
EW-S-12*	11/08/00	--	--	--	--	--
EW-S-13*	11/09/00	--	--	--	--	--
EW-S-14*	11/09/00	--	--	--	--	--
EW-S-15*	11/09/00	--	--	--	--	--
EW-S-16*	11/09/00	--	--	--	--	--
BREW-N-1*	11/19/00	1,000	53	1.5 J	--	--
BREW-S-1*	11/19/00	250	140	3.1 J	--	--

Notes:
-- = no detections
* = unique sampling event
µg/L = micrograms per liter
1,1-DCE = 1,1-dichloroethylene
cis-1,2-DCE = cis-1,2-dichloroethylene
DUP = duplicate
ID = identification
J = estimated value
TCE = trichloroethylene
trans-1,2-DCE = trans-1,2-dichloroethylene
VOC = volatile organic compound

Table 3-2
Summary of Overburden VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

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Third Quarter 2003 and Remedial Progress Evaluation
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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-04	11/19/00	70,000	2,900	--	--	--
OB-04	03/24/01	150	3.2 J	--	--	--
OB-04	06/18/01	39,000	21,000	--	--	--
OB-04	09/01	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-04	12/17/01	71,500	56,000	170	108	10.2
OB-04	03/12/02	65,600	1,640	16.6	3.8	--
OB-04	06/09/02	3,650	554	--	--	--
OB-04	09/23/02	3,760	1,950	7.5	4.9	2
OB-04	12/09/02	46.3	5.5	--	--	--
OB-04	03/22/03	11.3	1.3	--	--	--
OB-04	06/13/03	41.5	6.7	--	--	--
OB-04	09/21/03	2,780	125	1.9	--	--
OB-05	11/19/00	25,000	4,600	--	--	350
OB-05	03/01	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	06/01	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	09/01	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	12/01	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	03/02	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	06/10/02	52.8	--	--	--	--
OB-05	09/23/02	489	15	--	--	--
OB-05	12/09/02	604	13	--	--	--
OB-05	03/03	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	06/13/03	97.2	2.5	--	--	--
OB-05	09/03	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-06	11/17/00	2,600	60	--	--	--
OB-06 (DUP)	11/17/00	3,300	80 J	--	--	--
OB-06	03/21/01	540	--	--	--	--
OB-06	06/15/01	720	12 J	--	--	--
OB-06	09/13/01	5,600	240	9.0 J	--	--
OB-06	12/13/01	637	13.7	--	--	--
OB-06	03/08/02	526	7.8	--	--	--
OB-06	06/07/02	184	2.8	--	--	--
OB-06	09/20/02	386	10.1	--	--	--
OB-06	12/06/02	100	1.5	--	--	--
OB-06	03/20/03	84.9	1.5	--	--	--
OB-06	06/11/03	52.7	1.1	--	--	--
OB-06	09/18/03	242	2.6	--	--	--

See notes at end of table.

Table 3-2 (Continued)
Summary of Overburden VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-07	11/16/00	--	--	--	--	--
OB-07	03/28/01	7.5	--	--	--	--
OB-07	06/17/01	10 J	--	--	--	--
OB-07	09/17/01	17	1.8 J	--	--	--
OB-07	12/17/01	21.8	7	--	--	--
OB-07	03/07/02	4.2	--	--	--	--
OB-07	06/06/02	7.1	--	--	--	--
OB-07	9/19/02	12.4	--	--	--	--
OB-07	12/05/02	10.2	--	--	--	--
OB-07	03/19/03	--	--	--	--	--
OB-07	06/11/03	6.2	--	--	--	--
OB-07	09/17/03	11.2	--	--	--	--
OB-08	11/16/00	40,000	390 J	--	--	--
OB-08	03/20/01	29,000	390 J	--	--	--
OB-08	06/19/01	15,000	240 J	--	--	--
OB-08	09/18/01	27,000	560 J	--	--	--
OB-08	12/18/01	500	9.3	--	--	--
OB-08	03/12/02	15,750	208	8.6	2.7	--
OB-08	06/10/02	5,370	--	--	--	--
OB-08	09/24/02	5,440	110	3.6	--	--
OB-08	12/09/02	8,050	94.2	5	1.3	--
OB-08	03/24/03	3,480	37.3	2.2	--	--
OB-08	06/13/03	2,250	15.3	1.2	--	--
OB-08	09/22/03	2,780	32.1	3.1	--	--
OB-09	11/16/00	180	14	--	--	--
OB-09	03/26/01	150	16	--	--	--
OB-09	06/17/01	150	17	--	--	--
OB-09	09/15/01	180	23	3.5 J	--	--
OB-09	12/15/01	141	20.5	2.3	--	--
OB-09	03/06/02	117	12	--	--	--
OB-09	06/05/02	86	7.4	--	--	--
OB-09	09/18/02	153	16.6	1.6	--	--
OB-09	12/05/02	88.5	9.2	--	--	--
OB-09	03/19/03	44.2	4.6	--	--	--
OB-09	06/11/03	70.7	8.2	--	--	--
OB-09	09/17/03	95.9	10.3	--	--	--

See notes at end of table.

Table 3-2 (Continued)
Summary of Overburden VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-01	10/24/00	--	--	--	--	--
TW-01[1]	03/01	NS	NS	NS	NS	NS
TW-01[1]	06/01	NS	NS	NS	NS	NS
TW-01[1]	09/01	NS	NS	NS	NS	NS
TW-01[1]	12/01	NS	NS	NS	NS	NS
TW-01[1]	03/02	NS	NS	NS	NS	NS
TW-01[1]	06/02	NS	NS	NS	NS	NS
TW-01[1]	09/02	NS	NS	NS	NS	NS
TW-01[1]	03/03	NS	NS	NS	NS	NS
TW-01[1]	03/03	NS	NS	NS	NS	NS
TW-01[1]	09/03	NS	NS	NS	NS	NS
TW-04	10/24/00	42	79	--	--	--
TW-04	03/22/01	14	16	--	--	--
TW-04	06/15/01	--	--	--	--	--
TW-04	09/14/01	27	38	--	--	--
TW-04	12/13/01	51.1	19.4	--	--	--
TW-04	03/05/02	51	3.7	--	--	--
TW-04	06/04/02	20.7	--	--	--	--
TW-04	09/17/02	21.2	7.1	--	--	--
TW-04	12/04/02	42.5	5.5	--	--	--
TW-04	03/18/03	--	--	--	--	--
TW-04	06/10/03	19.3	--	--	--	--
TW-04	09/16/03	29.2	3.1	--	--	--
TW-07	10/25/00	28	7.2	28	--	--
TW-07	03/29/01	--	--	1.2 J	--	--
TW-07	06/16/01	27	3.9 J	13	--	--
TW-07	09/15/01	74	11	18	--	--
TW-07	12/15/01	42.6	7.7	21.4	--	--
TW-07	03/06/02	18.7	2.6	6.4	--	--
TW-07	06/05/02	5	--	--	--	--
TW-07	09/18/02	32.9	5.1	12.4	--	--
TW-07	12/04/02	46	6.3	15.4	--	--
TW-07	03/19/03	14.2	2.1	5.8	--	--
TW-07	06/10/03	8.1	--	1.1	--	--
TW-07	09/17/03	20.6	3.8	9.8	--	--

See notes at end of table.

Table 3-2 (Continued)
Summary of Overburden VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-09	10/24/00	230	36	--	--	--
TW-09	03/27/01	120	1.9 J	--	--	--
TW-09	06/16/01	200	7.4	--	--	--
TW-09	09/16/01	150	9.6	--	--	--
TW-09	12/15/01	110	4	--	--	--
TW-09	03/06/02	55.4	2	--	--	--
TW-09	06/05/02	36.5	--	--	--	--
TW-09	09/19/02	91.5	4	--	--	--
TW-09	12/05/02	38	--	--	--	--
TW-09	03/19/03	--	--	--	--	--
TW-09	06/11/03	29.4	--	--	--	--
TW-09	09/17/03	77	6.4	--	--	--
TW-13	11/16/00	--	--	--	--	--
TW-13	03/20/01	--	--	--	--	--
TW-13	06/14/01	--	--	--	--	--
TW-13	09/12/01	--	--	--	--	--
TW-13	12/12/01	--	--	--	--	--
TW-13	03/08/02	--	--	--	--	--
TW-13	06/07/02	--	--	--	--	--
TW-13	09/19/02	--	--	--	--	--
TW-13	12/06/02	--	--	--	--	--
TW-13[4]	03/03	NS	NS	NS	NS	NS
TW-13[4]	06/03	NS	NS	NS	NS	NS
TW-13[4]	09/03	NS	NS	NS	NS	NS
TW-17	11/17/00	1,000	7.9 J	--	--	--
TW-17	03/23/01	530	--	--	--	--
TW-17	06/16/01	490	--	--	--	--
TW-17	09/14/01	740	--	--	--	--
TW-17	12/14/01	515	--	--	--	--
TW-17	03/05/02	339	--	--	--	--
TW-17	06/04/02	393	--	--	--	--
TW-17	09/18/02	666	--	--	--	--
TW-17	12/04/02	390	--	--	--	--
TW-17	03/18/03	379	--	--	--	--
TW-17	06/10/03	282	--	--	--	--
TW-17	09/16/03	435	--	--	--	--

See notes at end of table.

Table 3-2 (Continued)
Summary of Overburden VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-20	10/25/00	5.2	--	--	--	--
TW-20	03/27/01	12	--	--	--	--
TW-20	06/16/01	2.9 J	--	--	--	--
TW-20	09/14/01	--	--	--	--	--
TW-20	12/14/01	3.1	--	--	--	--
TW-20	03/06/02	2.4	--	--	--	--
TW-20	06/05/02	2.7	--	--	--	--
TW-20	09/18/02	--	--	--	--	--
TW-20	12/04/02	11.6	--	--	--	--
TW-20	03/19/03	2.4	--	--	--	--
TW-20	06/10/03	--	--	--	--	--
TW-20	09/17/03	5.0	--	--	--	--
W-2	10/21/00	--	--	--	--	--
W-2[1]	03/01	NS	NS	NS	NS	NS
W-2[1]	06/01	NS	NS	NS	NS	NS
W-2[1]	09/01	NS	NS	NS	NS	NS
W-2[1]	12/01	NS	NS	NS	NS	NS
W-2[1]	03/02	NS	NS	NS	NS	NS
W-2[1]	06/02	NS	NS	NS	NS	NS
W-2[1]	09/02	NS	NS	NS	NS	NS
W-2[1]	12/02	NS	NS	NS	NS	NS
W-2[1]	03/03	NS	NS	NS	NS	NS
W-2[3]	03/03	NS	NS	NS	NS	NS
W-2[3]	06/03	NS	NS	NS	NS	NS
W-2[3]	09/03	NS	NS	NS	NS	NS
W-4	11/17/00	--	--	--	--	--
W-4	03/22/01	1.6 J	--	--	--	--
W-4	06/15/01	1.1 J	--	--	--	--
W-4	09/13/01	--	--	--	--	--
W-4	12/12/01	--	--	--	--	--
W-4	03/08/02	--	--	--	--	--
W-4	06/07/02	--	--	--	--	--
W-4	09/19/02	--	--	--	--	--
W-4	12/06/02	1	--	--	--	--
W-4[4]	03/03	NS	NS	NS	NS	NS
W-4[4]	06/03	NS	NS	NS	NS	NS
W-4[4]	09/03	NS	NS	NS	NS	NS

See notes at end of table.

Table 3-2 (Continued)
Summary of Overburden VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
W-5	11/16/00	--	27	11	--	--
W-5	03/23/01	120	25	8.1	--	--
W-5	06/18/01	62	23	9.6	--	--
W-5	09/17/01	64	9.1	6.5	--	--
W-5 (DUP)	09/17/01	62	11	7.3	--	--
W-5	12/17/01	1,435	39.5	9	--	--
W-5 (DUP)	12/17/01	1,780	36.2	8.5	--	--
W-5	03/07/02	737	21.6	3.5	--	--
W-5 (DUP)	03/07/02	607	23.2	3.9	--	--
W-5	06/06/02	155	15.7	--	--	--
W-5 (DUP)	06/06/02	150	13.8	--	--	--
W-5	09/19/02	960	49.6	--	--	--
W-5 (DUP)	09/19/02	676	48.5	4.7	--	--
W-5	12/05/02	777	52	3.6	--	--
W-5 (DUP)	12/05/02	843	51.7	4	--	--
W-5	03/20/03	262	132	3.4	--	--
W-5 (DUP)	03/20/03	232	119	3.3	--	--
W-5	06/11/03	234	128	5	--	--
W-5 (DUP)	06/11/03	234	152	5.1	--	--
W-5	09/18/03	510	129	4	--	--
W-5 (DUP)	09/18/03	444	112	3.9	--	--
W-6	10/24/00	--	--	--	--	--
W-6[2]	03/01	NS	NS	NS	NS	NS
W-6[2]	06/01	NS	NS	NS	NS	NS
W-6	9/13/01	--	--	--	--	--
W-6	12/12/01	--	--	--	--	--
W-6	03/09/02	--	3	--	--	--
W-6	06/08/02	--	10.3	--	--	--
W-6	09/21/02	--	9.6	--	--	--
W-6	12/07/02	--	8.1	--	--	--
W-6	03/22/03	--	5.7	--	--	--
W-6	06/13/03	--	9.7	1.4	--	--
W-6	09/20/03	--	14.2	--	--	--

See notes at end of table.

Table 3-2 (Continued)
Summary of Overburden VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
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Former Taylor Instruments Site
Rochester, New York

[1] Will not be sampled during quarterly events.

[2] W-6 was not sampled due to obstruction.

[3] Will be sampled annually beginning in December 2003 based on recommendations made in the *Quarterly Progress Report, Fourth Quarter 2002 and 2-Year Progress Evaluation*, March (MACTEC, 2003).

[4] Will not be sampled during quarterly sampling events based on based on recommendations made in the *Quarterly Progress Report, Fourth Quarter 2002 and 2-Year Progress Evaluation*, March (MACTEC, 2003).

Notes: -- = no detections
µg/L = micrograms per liter
1,1-DCE = 1,1-dichloroethylene
cis-1,2-DCE = cis-1,2-dichloroethylene
DUP = duplicate
ID = identification
J = estimated value
NS = not sampled
TCE = trichloroethylene
trans-1,2-DCE = trans-1,2-dichloroethylene
VOC = volatile organic compound

Prepared by J. Peevler on 10/20/03

Checked by L. Barrentine on 10/30/03

Table 3-3
Summary of Bedrock VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-01	11/17/00	180	550	4.3 J	--	3.5 J
BR-01	03/21/01	320	34	2.2 J	--	--
BR-01 (DUP)	03/21/01	320	35	2.4 J	--	--
BR-01	06/16/01	270	59	4.4 J	--	--
BR-01	09/14/01	31	170	16	--	--
BR-01	12/14/01	63.8	77.5	2	--	--
BR-01	03/09/02	47.3	5.5	1.6	--	--
BR-01	06/08/02	85.7	10.1	3.2	--	--
BR-01	09/20/02	107	16	4	--	--
BR-01	12/07/02	14.3	83	3.8	--	--
BR-01	03/21/03	25.8	2.1	1	--	--
BR-01	06/12/03	60.9	4.6	2.8	--	--
BR-01	09/19/03	102	11.4	1.7	--	--
BR-02	11/18/00	1,800	540	31 J	--	--
BR-02	03/21/01	1,200	95	--	--	--
BR-02	06/17/01	1,000	94	27 J	--	--
BR-02	09/15/01	7,000	1,500	63	31 J	--
BR-02	12/15/01	6,500	1,830	59.8	30.3	19.6
BR-02	03/09/02	588	79.6	20.8	1.2	--
BR-02	06/08/02	568	122	2.2	--	--
BR-02	09/21/02	768	518	24.4	4.6	18.7
BR-02	12/07/02	694	172	29.8	--	5.6
BR-02	03/21/03	4,000	19,100	154	156	64.9
BR-02	06/13/03	710	17,900	120	122	68.1
BR-02	09/18/03	372	245	23.3	--	--
BR-03	11/18/00	440	99	1.2 J	2.2 J	--
BR-03	03/22/01	810	12 J	--	3.2 J	--
BR-03	06/15/01	500	20 J	--	--	--
BR-03	09/14/01	330	7.8 J	--	--	--
BR-03	12/13/01	780	7.6	--	2.2	--
BR-03	03/08/02	599	9.8	--	2.1	--
BR-03	06/07/02	854	19.7	--	2.8	--
BR-03	09/20/02	370	6.5	--	--	--
BR-03	12/07/02	821	13.5	--	--	--
BR-03	03/21/03	590	7.7	--	2	--
BR-03	06/12/03	632	25.3	1.9	3	--
BR-03	09/18/03	1,150	10.4	1.5	3.1	--

See notes at end of table.

Table 3-3 (Continued)
Summary of Bedrock VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-04	11/19/00	10,000	600	140	17 J	25 J
BR-04	03/24/01	9,000	400	95 J	--	--
BR-04	06/19/01	4,300	320	61 J	--	--
BR-04	09/17/01	5,000	420	100 J	--	--
BR-04	12/17/01	5,700	430	79.9	9	27.4
BR-04	03/12/02	5,750	384	77	8.1	23.4
BR-04	06/10/02	4,570	338	49	--	--
BR-04	09/23/02	3,310	551	63.1	8.3	32.2
BR-04	12/09/02	5,300	535	77.6	8.3	27.1
BR-04	03/23/03	4,630	473	52	6.8	14.8
BR-04	06/13/03	302	1,280	19.5	3.6	1.2
BR-04	09/21/03	2,540	560	61	5.4	32.2
BR-05	11/19/00	4,800	1,200	130	--	160
BR-05	03/25/01	5,800	850	120 J	--	160
BR-05	06/19/01	4,300	1,600	130	37 J	290
BR-05 (DUP)	06/19/01	3,700	1,500	--	--	270
BR-05	09/18/01	2,500	1,800	150	38 J	420
BR-05	12/18/01	3,420	2,480	153.5	41.5	290.5
BR-05	03/12/02	3,050	1,734	164	40.2	326
BR-05	06/10/02	4,470	118	23	25	176
BR-05	09/23/02	2,950	1,720	138	29.7	434
BR-05	12/09/02	3,140	2,240	170	49.1	390
BR-05	03/23/03	2,440	1,040	113	20	184
BR-05	06/13/03	56.8	216	15.3	1.9	38.7
BR-05	09/21/03	2,380	1,600	151	17.9	380
BR-06	11/17/00	--	--	--	--	--
BR-06	03/22/01	--	--	--	--	--
BR-06	06/15/01	1.6 J	--	--	--	--
BR-06	09/12/01	--	--	--	--	--
BR-06	12/12/01	--	--	--	--	--
BR-06	03/09/02	--	--	--	--	--
BR-06	06/08/02	--	--	--	--	--
BR-06	9/21/02	--	--	--	--	--
BR-06	12/08/02	--	--	--	--	--
BR-06[1]	03/03	NS	NS	NS	NS	NS
BR-06[1]	06/03	NS	NS	NS	NS	NS
BR-06[1]	09/03	NS	NS	NS	NS	NS

See notes at end of table.

Table 3-3 (Continued)
Summary of Bedrock VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-07	11/18/00	7.4	29	10	--	220
BR-07	03/23/01	3.4 J	34	13	--	210
BR-07	06/14/01	2.7 J	33	13	--	200
BR-07 (DUP)	06/14/01	2.2 J	34	12	--	200
BR-07	09/12/01	6.2	32	16	--	180
BR-07 (DUP)	09/12/01	5.0	31	14	--	180
BR-07	12/12/01	4.7	28.5	10.2	--	101
BR-07 (DUP)	12/12/01	4.6	29.3	10.3	--	104
BR-07	03/11/02	--	9	4.3	--	33.6
BR-07 (DUP)	03/11/02	--	8.8	4.4	--	33.7
BR-07	06/08/02	4.9	32.9	14.4	--	119
BR-07 (DUP)	06/08/02	4.4	31	--	--	110
BR-07	09/21/02	4	27.3	14.8	--	90.4
BR-07 (DUP)	09/21/02	2.8	28.5	15.2	--	89.5
BR-07	12/08/02	--	17.6	10.1	--	64.6
BR-07 (DUP)	12/08/02	--	17.8	10.4	--	65.9
BR-07	03/21/03	3.9	35.9	18	--	97.5
BR-07 (DUP)	03/21/03	3.9	36	18.8	--	102
BR-07	06/13/03	2.3	30.7	15.8	--	101
BR-07 (DUP)	06/13/03	2.2	31.9	16	--	99.1
BR-07	09/19/03	1.1	12.8	8.1	--	55.9
BR-07 (DUP)	09/19/03	--	15.4	9.5	--	66.3
BR-08 (Deep)	11/19/00	540	44	5.2 J	--	7.0 J
BR-08 (Deep)	03/24/01	1,100	320	6.7 J	--	--
BR-08 (Deep)	06/15/01	720	210	--	--	--
BR-08 (Deep)	09/13/01	830	250	--	--	--
BR-08 (Deep)	12/13/01	649	246	3	--	3.1
BR-08 (Deep)	03/08/02	621	242	3	--	4
BR-08 (Deep)	06/07/02	528	212	2.8	--	--
BR-08 (Deep)	09/20/02	463	220	2.8	--	--
BR-08 (Deep)	12/06/02	398	222	3.3	1.2	4.5
BR-08 (Deep)	03/20/03	256	150	--	--	--
BR-08 (Deep)	06/12/03	289	184	2.7	--	--
BR-08 (Deep)	09/18/03	322	242	8.7	--	--

See notes at end of table.

Table 3-3 (Continued)
Summary of Bedrock VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-09	11/18/00	13,000	190 J	--	--	--
BR-09	03/28/01	9,500	100 J	--	--	--
BR-09	06/19/01	1,500	36 J	--	--	--
BR-09	09/18/01	5,500	68 J	--	--	--
BR-09	12/18/01	6,000	60	2.9	--	--
BR-09	03/12/02	2,420	302	5.4	--	--
BR-09	06/10/02	6,530	--	--	--	--
BR-09	09/23/02	4,590	64.3	5.1	--	--
BR-09	12/09/02	9,030	95.3	7.3	1.3	--
BR-09	03/23/03	343	303	2.1	1	--
BR-09	06/13/03	57.5	14.9	--	--	--
BR-09	09/22/03	4,330	43.1	3.2	--	--
BR-10	11/18/00	4,000	450	27 J	--	--
BR-10	03/28/01	4,700	980	110 J	--	--
BR-10	06/18/01	8,500	1,000	--	--	--
BR-10	09/17/01	8,700	1,700	160 J	--	--
BR-10	12/16/01	5,350	1,200	82.8	3.4	5.6
BR-10	03/11/02	3,745	1,090	78.2	3.9	5.5
BR-10	06/09/02	5,100	1,290	64.6	4.7	5.3
BR-10	09/22/02	--	120	9.8	--	--
BR-10	12/09/02	3,060	750	60.1	2.3	--
BR-10	03/22/03	2,580	886	42.2	2.5	3.1
BR-10	06/13/03	2,950	1,080	61.7	3.2	5.1
BR-10	09/21/03	2,250	400	49.4	2	16.1
BR-11	11/18/00	1,400	320	52	--	13 J
BR-11	03/28/01	44,000	260	120	21	--
BR-11 (DUP)	03/28/01	52,000	270	120	19 J	21
BR-11	06/20/01	39,000	660 J	--	--	--
BR-11	09/18/01	60,000	--	--	--	--
BR-11	12/18/01	140	339	108	2	35.4
BR-11	03/13/02	33,300	370	106	10.9	28.1
BR-11	06/10/02	874	52	--	--	32
BR-11	09/24/02	37,200	440	82.4	12.2	18
BR-11	12/09/02	34,100	1,650	80.1	25.8	31.1
BR-11	03/24/03	26,600	338	--	8.1	25.7
BR-11	06/13/03	5,890	313	52.6	3	23.8
BR-11	09/22/03	22,700	400	65.7	7.7	28.3

See notes at end of table.

Table 3-3 (Continued)
Summary of Bedrock VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-12	11/19/00	200	8.1	--	--	--
BR-12	03/25/01	130	21	--	--	--
BR-12	06/17/01	99	26	--	--	--
BR-12	09/15/01	27	37	2.1 J	--	--
BR-12	12/16/01	--	3	--	--	--
BR-12	03/11/02	7.4	15.3	--	--	--
BR-12	06/09/02	17.4	9.6	--	--	--
BR-12	09/22/02	3.5	23.8	--	--	--
BR-12	12/08/02	--	28.6	--	--	--
BR-12	03/22/03	--	27.5	--	--	--
BR-12	06/13/03	--	18.3	--	--	--
BR-12	09/20/03	--	20.6	--	--	--
BR-13	11/19/00	2.5 J	--	--	--	--
BR-13	03/25/01	3,200 J	150	14	1.7 J	1 J
BR-13	06/18/01	3,100	160	--	--	--
BR-13	09/16/01	2,600	160	--	--	--
BR-13	12/16/01	156	14.6	--	--	--
BR-13	03/11/02	132	23.7	--	--	--
BR-13	06/09/02	1,980	558	11.2	4.2	3.4
BR-13	09/22/02	3,240	800	22	6	5.1
BR-13	12/08/02	2.8	--	--	--	--
BR-13	03/22/03	--	--	--	--	--
BR-13	06/13/03	61.2	81	2.3	1	2.2
BR-13	09/20/03	3	8.5	--	--	--
BR-14 (Deep)	11/19/00	--	1.2 J	--	--	--
BR-14 (Deep)	03/23/01	1.2 J	--	--	--	--
BR-14 (Deep)	06/16/01	--	--	--	--	--
BR-14 (Deep)	09/13/01	--	--	--	--	--
BR-14 (Deep)	12/14/01	2.2	--	--	--	--
BR-14 (Deep)	03/09/02	--	--	--	--	--
BR-14 (Deep)	06/08/02	--	--	--	--	--
BR-14 (Deep)	09/20/02	--	--	--	--	--
BR-14 (Deep)	12/07/02	--	--	--	--	--
BR-14 (Deep)	03/21/03	--	--	--	--	--
BR-14 (Deep)	06/12/03	--	--	--	--	--
BR-14 (Deep)	09/19/03	--	--	--	--	--

See notes at end of table.

Table 3-3 (Continued)
Summary of Bedrock VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-15	11/19/00	2,700	54 J	--	--	--
BR-15 (DUP)	11/19/00	2,700	49 J	--	--	--
BR-15	03/26/01	2,500	33 J	--	--	--
BR-15	06/18/01	2,300	49 J	--	--	--
BR-15	09/16/01	4,800	110 J	--	--	--
BR-15	12/16/01	6,590	189	28.2	2	1.1
BR-15	03/11/02	5,500	172	36.6	2.2	--
BR-15	06/09/02	5,800	373	36.9	4.6	3.8
BR-15	09/22/02	4,390	555	40.3	7.5	5.4
BR-15	12/08/02	4,740	177	43.6	2.8	--
BR-15	03/22/03	2,500	404	21.9	4.3	1.2
BR-15	06/13/03	1,180	1,390	24.8	8.4	3.9
BR-15	09/21/03	1,230	580	35.3	6.9	8.3
BR-16	11/19/00	6.0	3.8 J	--	--	--
BR-16	03/25/01	1.2 J	--	--	--	--
BR-16	06/17/01	--	--	--	--	--
BR-16	09/15/01	--	--	--	--	--
BR-16	12/16/01	--	--	--	--	--
BR-16	03/10/02	--	--	--	--	--
BR-16	06/09/02	--	--	--	--	--
BR-16	09/21/02	--	--	--	--	--
BR-16	12/08/02	--	--	--	--	--
BR-16[2]	03/03	NS	NS	NS	NS	NS
BR-16[2]	06/03	NS	NS	NS	NS	NS
BR-16[2]	09/03	NS	NS	NS	NS	NS
BR-17	11/18/00	840	160	84	3.6 J	--
BR-17	03/24/01	6,900	360	93	9.4 J	52
BR-17	06/15/01	5,200	260	68 J	--	46
BR-17	09/13/01	4,100	220	60 J	--	57 J
BR-17	12/13/01	3,840	248	44	4.7	33.4
BR-17	03/08/02	2,600	208	56.5	5.1	57
BR-17	06/07/02	4,540	198	49.8	5	45.9
BR-17	09/20/02	2,740	210	36.8	5.2	24.5
BR-17	12/06/02	186	204	65.2	5.2	63.2
BR-17	03/20/03	2,020	159	41	3.3	36.3
BR-17	06/12/03	3,320	199	44	2.5	43.7
BR-17	09/18/03	3,200	173	39.2	3.1	77.8

See notes at end of table.

Table 3-3 (Continued)
Summary of Bedrock VOC Results for the Baseline; 2001; 2002; and March 2003, June 2003, and September 2003 Sampling Events

Quarterly Progress Report
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[1] Will be sampled annually beginning in December 2003 based on recommendations made in the *Quarterly Progress Report, Fourth Quarter 2002 and 2-Year Progress Evaluation*, March (MACTEC, 2003).

[2] Will not be sampled during quarterly sampling events based on based on recommendations made in the *Quarterly Progress Report, Fourth Quarter 2002 and 2-Year Progress Evaluation*, March (MACTEC, 2003).

Notes: -- = no detections
µg/L = micrograms per liter
1,1-DCE = 1,1-dichloroethylene
cis-1,2-DCE = cis-1,2-dichloroethylene
DUP = duplicate
ID = identification
J = estimated value
TCE = trichloroethylene
trans-1,2-DCE = trans-1,2-dichloroethylene
VOC = volatile organic compound

Prepared by J. Peevler on 10/20/03

Checked by L. Barrentine on 10/30/03

Table 3-4
Decline of TCE Concentrations Over Time

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Well ID[1]	Area	High (ppb) BL/ Post BL	September 2003 result	% Decline[3]
Source Area Monitor Wells				
OB-04	South	71,500	2,780	96
OB-06	South	5,600	242	96
OB-05	North	25,000	NS	NA
OB-08	North	40,000	2,780	93
BR-04	South	10,000	2,540	75
BR-09	South	13,000	4,330	67
BR-10	South	8,700	2,250	74
BR-11	South	60,000	22,700	62
BR-17	South	6,900	3,200	54
BR-05	North	5,800	2,380	59
BR-12	North	200	1 U	99
BR-15	North	6,590	1,230	81
BR-08 (deep)	South	1,100	322	71
BR-14 (deep)	North	2.2	1 U	55
Plume Monitor Wells				
OB-07	South	21.8	11.2	49
OB-09	North	180	95.9	47
Perimeter Monitor Wells				
TW-04	South	51.1	29.2	43
TW-07	South	74	1 U	99
TW-17	North	1,000	435	57
TW-20	Between	12	5	58
TW-09	Between	230	77	67
BR-02	South	7,000	372	95
BR-03	South	854	1,150	-35
BR-01	North	320	102	68
BR-13	North	3,240	3	99
BR-07	North	7.4	1.1	85
W-5	North	1,435	510	64

[1] Upgradient wells not shown include W-4, BR-07, TW-13, MW-00, TW-69, W-2, BR-06, W-1, TW-01, TW-74, W-6, W-3, and BR-16.
[2] High pre-baseline values reported in *Final Investigative Report*, June 1999.
[3] Percent decline determined by comparing current value (September 2003) to the highest BL/Post BL value.

Notes:
-- = no detections
BL = baseline
ID = identification
J = estimated
NA = not applicable
NI = not installed
NS = not sampled
ppb = parts per billion
TCE = trichloroethylene
U = nondetect

Prepared by J. Peevler on 10/20/03
Checked by L. Barrentine on 10/30/03

Monitor Well OB-07 reported TCE concentrations of 11.2 µg/L and no detections of daughter products in September 2003 event resulting in an overall decline of 49 percent (Table 3-4).

Overburden Monitor Wells (North TCE Source Area)

Monitor wells OB-05 and OB-08 are both located within the North TCE Source Area while OB-09 is within the plume. Comprehensive results for these wells are presented in Table 3-2.

Monitor Well OB-05 was not sampled during the September 2003 event because the well was dry. TCE concentrations in monitor well OB-08 increased from 2,250 µg/L (June 2003) to 2,780 µg/L during the September 2003 event. However, this monitor well continues to show an overall decline of 93 percent in TCE concentrations (Table 3-4). Monitor well OB-09 also increased slightly during the September 2003 event, but continues to show an overall decrease of 47 percent (Table 3-4).

Bedrock Monitor Wells (South TCE Source Area)

Bedrock monitor wells BR-04, BR-09, BR-10, BR-11, and BR-17 are located within the South TCE Source Area. Comprehensive results for these wells are presented in Table 3-3.

TCE concentrations in monitor wells BR-04, BR-09, and BR-11 all increased during the September 2003 event, but remain below the highest reported values. The overall decline in these concentrations are 75, 67, and 62 percent, respectively (Table 3-4).

TCE concentrations in monitor wells BR-10 and BR-17 continued to decrease in September 2003 resulting in an overall decline of 74 and 54 percent, respectively (Table 3-4).

Bedrock Monitor Wells (North TCE Source Area)

BR-05, BR-12, BR-15, and BR-16 are located in the North TCE Source Area. Comprehensive results are presented in Table 3-3. Monitor well BR-16 was not sampled during the September 2003 event based on the recommendations provided in the Quarterly Progress Report Fourth Quarter 2002 and 2-Year Progress Evaluation (MACTEC, 2003) and thus will not be discussed.

Monitor well BR-12 continued to show non-detectable levels of TCE in September 2003 indicating an overall decline of 99 percent (Table 3-4).

TCE concentrations in monitor wells BR-05 and BR-15 increased in September 2003 but remained below the highest reported values. The overall decline was 59 and 71 percent, respectively (Table 3-4).

3.2 UPGRADIENT MONITOR WELLS

Overburden Monitor Wells

W-2 and W-6 are southwest of the source areas and are considered to be upgradient. Based on recommendations provided in the Quarterly Progress Report Fourth Quarter 2002 and 2-Year Progress Evaluation (MACTEC, 2003), W-2 will be sampled annually for VOCs beginning in December 2003.

TCE concentrations for W-6 were nondetectable, as has been the case since the baseline sampling event. During the September 2003 event cis-1,2-dichloroethylene (cis-1,2-DCE) was detected at 14.2 μg/L.

Monitor well W-4 is located west of the North source area and is also considered upgradient. This well has been removed from the quarterly sampling events based on recommendations provided in the Quarterly Progress Report Fourth Quarter 2002 and 2-Year Progress Evaluation (MACTEC, 2003).

TW-13 is considered to be upgradient of the North TCE Source Area. Concentrations of TCE have been nondetectable for all eight quarterly sampling events, as well as the baseline event. Therefore, TW-13 was not sampled during the June 2003 event and will not be sampled during future quarterly sampling events.

Bedrock Monitor Wells

BR-06 and BR-07 are also upgradient wells, located southwest and west of the South and North source areas, respectively. BR-06 is considered a background well and will be sampled annually beginning in December 2003. No TCE was detected in BR-06 during any quarterly sampling event, and BR-06 was not sampled as part of the September 2003 sampling event. In BR-07, TCE concentrations continued to decline during the September 2003 event and showed an overall decline of 99 percent (Table 3-4).

3.3 PERIMETER DOWNGRADIENT MONITOR WELLS

Overburden Monitor Wells

Monitor wells TW-04, TW-09, TW-17, TW-20, and W-5 are downgradient of the source areas and are located along the perimeter of the site. Comprehensive results for these wells are presented in Table 3-2.

These monitor wells have continued to indicate overall positive reductions in TCE concentrations but all increased from June 2003 levels. As shown in Table 3-4, TCE concentrations for monitor wells TW-04, TW-09, TW-17, TW-20, and W-5 have declined by 43, 67, 57, 58, and 64 percent, respectively (Table 3-4).

Bedrock Monitor Wells

The perimeter downgradient bedrock monitor wells are BR-01, BR-02, BR-03, and BR-13. Comprehensive results are presented in Table 3-3 and on Figure 3 (Appendix A).

TCE concentrations in monitor well BR-03 were 1,150 μg/L during the September 2003 event, which represents a concentration greater than the baseline sampling event and represents an overall increase of 35%.

Monitoring wells BR-02 and BR-13 continue to show declining concentrations of TCE during the September 2003 event. The overall decrease in TCE concentrations are 95 and 99 percent, respectively (Table 3-4).

TCE concentrations increased in BR-01 in September 2003, but remain below the highest reported since the baseline event, resulting in an overall decline of 68 percent (Table 3-4).

Deep Bedrock Monitor Wells

TCE concentrations for the deep bedrock monitor well BR-08 (South TCE Source Area) increased slightly in September 2003 but remained below the concentrations during the baseline event. The overall decrease is 71 percent. TCE concentrations in monitor well BR-14 (North TCE Source Area) remain at nondetectable levels in September 2003 with an overall decline of 55 percent (Table 3-4).

3.4 POTENTIOMETRIC SURFACE

After each quarterly monitoring event, a potentiometric surface map is generated to depict groundwater elevations for the overburden groundwater. Surfer™ (Version 8.0), a Windows-based program, was used to plot the potentiometric surface map in Appendix A, Figure 4. This program mathematically calculates contours based upon groundwater elevation measurements collected in the field.

The September 2003 map (Figure 4 in Appendix A) was based upon water level information collected during the course of sampling activities on the subject site. Overburden potentiometric surface mapping for the September 2003 event agrees with past mapping in both the North TCE Source Area and South TCE Source Area.

Attempts have been made to contour the bedrock potentiometric surface, but the bedrock water level data cannot readily be plotted due to the large variation in elevation heads. These variations are due to the fractured bedrock system. The head data appears to be bi-modally distributed possibly reflecting differing elevations of water bearing fractures. The absence of contaminants at the southwest corner of the site (BR-06) and their presence in wells along the north and east site perimeter also support the interpretation that bedrock flow beneath the two source areas is generally towards the north. Bedrock water level elevations are presented in Figure 5 in Appendix A.

3.5 NATURAL BIODEGRADATION

During the September 2003 sampling event, natural biodegradation parameters were collected from nine monitor wells including background well W-2 and perimeter wells TW-04, TW-07, TW-09, TW-17, TW-20, and W-5. Samples were also collected from OB-07 and OB-09, which are located within the TCE source areas. Table 3-5 shows a comparison between the natural biodegradation parameters in nine monitor wells and the values given in the EPA screening protocol as favorable for natural biodegradation of chlorinated solvents (EPA, 1998). Shaded values in the table show values favorable for natural biodegradation. W-2 data is provided for background values.

Table 3-5 shows that TCE daughter products were detected in five out of the eight perimeter and source area monitor wells. Several other parameters measured in each of these monitor wells containing TCE daughter products were indicative that natural biodegradation is occurring. While daughter products were not detected in TW-20, TW-17, and OB-07, these wells have several other parameter readings favorable for natural biodegradation. Concentrations of daughter products may be present in the vicinity of these wells at concentrations less than the sample quantitation limits (SQLs), or daughter products may have completely degraded to non-toxic end products, such as carbon dioxide, water, and chloride.

In summary, values for various natural biodegradation parameters and the presence of TCE daughter products indicate that natural biodegradation is occurring.

3.6 TREATMENT SYSTEM QUARTERLY PERFORMANCE

The System was fully operational on January 6, 2001. Since then, it has operated 94.1 percent of available hours through September 2003. The System operated 70 percent of available hours during the third quarter of operation in 2003. The downtime during the third quarter was due to the air stripper blower motor needing replacement and normal O&M activities. Table 3-6 provides a summary of quarterly System operational data. The System is currently extracting soil vapor and groundwater

Table 3-5
Summary of Natural Biodegradation Results, September 2003 Sampling Event[1]

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Parameter	Value Favorable for Natural Biodegradation	TW-04	TW-07	TW-09	TW-17	TW-20	W-5	OB-07	OB-09	W-2 (background)
DO (mg/L)	<0.5	1.67	9.51	1.16	0.65	7.72	1.34	0.60	0.25	3.40
Nitrate (mg/L)	<1	0.12	29.3	0.29	<0.100	1.01	<0.100	10.8	1.06	NA
Iron II (mg/L)	>1	.0852	<0.100	<0.100	1.20	<0.10	0.601	0.119	0.148	NA
Sulfate (mg/L)	<20	269	354	185	107	70.5	135	548	261	NA
Sulfide (mg/L)	>1	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA
Methane (mg/L)	>0.5	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	NA
ORP (mV)	<50	-102	84	-50	-96	120	-132	-101	-47	5
pH	5<pH<9	7.12	6.98	7.20	7.00	6.85	6.78	7.33	7.09	7.32
TOC (mg/L)	>20	<1.00	1.67	<1.00	<1.00	<1.00	<1.00	3.6	<1.00	NA
Temperature (°C)	>20	17.49	16.55	17.45	17.01	15.35	15.41	17.98	18.04	19.02
CO_2 (mg/L)	Note 1	<3	84.2	21.7	21.7	37.7	63.6	17.4	40.6	<3
Alkalinity (mg/L)	Note 1	247	360	195	352	363	376	161	230	212
Chloride (mg/L)	Note 1	12.1	29.4	3.70	16.3	16.9	26.4	78	8.19	7.83
BTEX (mg/L)	>0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
Ethene (mg/L)	>0.01	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	NA
Ethane (mg/L)	>0.01	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	NA
Daughter Products Detected	Any detection of daughter products	Yes	Yes	Yes	No	No	Yes	No	Yes	NA

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Table 3-5 (Continued)
Summary of Natural Biodegradation Results, September 2003 Sampling Event[1]

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Reference: EPA. 1998. *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water* EPA/600/R-98/128 (September).

[1] W-2 is the background well; other wells are perimeter wells.

Note 1: A value greater than two times the background value is considered favorable for natural biodegradation. The W-2 value is the background value.

Note: Shading indicates parameters supportive of natural biodegradation.
°C = degrees Celsius
µg/L = micrograms per liter
BTEX= benzene, toluene, ethylbenzene, and xylene
CO_2 = carbon dioxide
DCE = dichloroethylene
DO = dissolved oxygen
EPA = Environmental Protection Agency (United States)
J = estimated
mg/L = milligrams per liter
mV = millivolt
NA = not applicable
ORP = oxygen reduction potential
TCE = trichloroethylene
TOC = total organic compound
VOC = volatile organic compound

Prepared by J. Peevler on 10/28/03
Checked by L. Barrentine on 10/30/03

Table 3-6
System Operational Summary,
January 2001 – September 2003

Quarterly Progress Report
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Parameter	2001			
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
System Up-time (%)	89	99.9	99	99.9
Average System Vacuum[1]				
South Source Area (in. Hg)	19	16	16	17
North Source Area (in. Hg)	15	18	16	16
Average System Groundwater Flowrates[2]				
Total System (gpm)	26	26	24	25
Dual Phase Extraction (gpm)	8	7	6	7
Bedrock Extraction (gpm)	18	18	18	18
Average System Vapor Flowrates[1]				
Dual Phase Extraction South Source Area (CFM)	161	176	180	167
Dual Phase Extraction North Source Area (CFM)	117	113	175	127
System Mass Removal Rate (lbs./hr)[3]	0.17	0.05	0.04	0.031
System Mass Removed (lbs.)[3]	406	443	289	197
Cumulative Mass Removed (lbs.)[3]	906	1,349	1,637	1,834
Air Stripper Removal Efficiency (%)[3]	99.6	99.6	99.3	99.4
Quarterly Groundwater Recovered (gallons)[2]	3,833,248	3,345,131	3,275,792	3,256,961
Cumulative Groundwater Recovered (gallons)[2]	3,833,248	7,178,379	10,454,171	13,711,132
Gallons to Remove 1 Pound of VOC[3]	9,441	7,551	11,335	16,533

See notes at end of table.

Table 3-6 (Continued)
System Operational Summary,
January 2001 – September 2003

Quarterly Progress Report
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Parameter	2002			
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
System Up-time (%)	99.3	99.3	89	94
Average System Vacuum[1]				
South Source Area (in. Hg)	18	21	17	21
North Source Area (in. Hg)	17	22.5	14[4]	17
Average System Groundwater Flowrates[2]				
Total System (gpm)	24	28	23	22
Dual Phase Extraction (gpm)	7	11	7	8
Bedrock Extraction (gpm)	17	17	16	14
Average System Vapor Flowrates[1]				
Dual Phase Extraction South Source Area (CFM)	167	128	165	110
Dual Phase Extraction North Source Area (CFM)	113	100	75[4]	112
System Mass Removal Rate (lbs./hr)[3]	0.03	0.06	0.02	0.03
System Mass Removed (lbs.)[3]	145	453	150	112
Cumulative Mass Removed (lbs.)[3]	1,979	2,432	2,582	2,694
Air Stripper Removal Efficiency (%)[3]	99.7	99.4	99.9	99.5
Quarterly Groundwater Recovered (gallons)[2]	3,036,973	5,080,273	2,795,716	2,765,779
Cumulative Groundwater Recovered (gallons)[2]	16,748,105	21,828,378	24,624,094	27,389,873
Gallons to Remove 1 Pound of VOC[3]	20,945	11,215	18,638	24,695

See notes at end of table.

Table 3-6 (Continued)
System Operational Summary,
January 2001 – September 2003

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Parameter	2003		
	1st Quarter	2nd Quarter	3rd Quarter
System Up-time (%)	95.8	99.9	70
Average System Vacuum[1]			
South Source Area (in. Hg)	22	21.5	21.5
North Source Area (in. Hg)	20	21	19
Average System Groundwater Flowrates[2]			
Total System (gpm)	23	25	24
Dual Phase Extraction (gpm)	8	9	8
Bedrock Extraction (gpm)	15	16	16
Average System Vapor Flowrates[1]			
Dual Phase Extraction South Source Area (CFM)	114	103	103
Dual Phase Extraction North Source Area (CFM)	102	97	113
System Mass Removal Rate (lbs./hr)[3]	0.02	0.02	0.01
System Mass Removed (lbs.)[3]	95	129	82
Cumulative Mass Removed (lbs.)[3]	2,789	2,918	3,000
Air Stripper Removal Efficiency (%)[3]	99.8	99.9	99.8
Quarterly Groundwater Recovered (gallons)[2]	2,960,081	3,331,381	2,246,547
Cumulative Groundwater Recovered (gallons)[2]	30,349,954	33,681,335	35,927,882
Gallons to Remove 1 Pound of VOC[3]	31,159	25,824	27,397

[1] Instantaneous.
[2] Continuous.
[3] Calculated.
[4] Vacuum pump down for repairs, causing a decrease in values.

Notes: in. Hg = inches of mercury
CFM = cubic feet per minute
lbs./hr = pounds per hour
gpm = gallons per minute
lbs. = pounds

Prepared by M. Vandergriff on 10/25/03

Checked by L. Barrentine on 10/30/03

from 23 DPVE wells: EW-S-1 through EW-S-16 and EW-N-1 through EW-N-6, and groundwater from two bedrock extraction wells BREW-S-1 and BREW-N-1 (see Figure 1 in Appendix A). The vapor extracted from the dual-phase operation is discharged through the effluent piping manifold of the three vacuum pumps. The groundwater collected from both the DPVE wells and from the bedrock extraction wells is combined in an equalization tank prior to treatment via the tray air stripper. The System has extracted approximately 35.9 million gallons of groundwater through September 2003.

During the third quarter of operation in 2003, 2.2 million gallons of groundwater was extracted with an average flow rate of 24 gallons per minute, and a total of 82 pounds of VOCs were removed from the subsurface (see Figures 6 and 7 in Appendix A) yielding an approximate ratio of 1 pound of VOCs removed for every 27,397 gallons of water removed. A total of 3,000 pounds of contaminants have been removed since startup of the System. The majority of VOCs are removed from the overburden through the vapor phase and stripped from groundwater during the vacuum extraction process. During the second quarter of operation in 2003, approximately 70 pounds (85 percent) of VOCs were removed by the vacuum extraction process and the remaining 12 pounds (15 percent) were removed by air stripping of the collected groundwater. Table 3-7 summarizes groundwater sample results from the equalization tank and vapor sampling results from the effluent of three vacuum pumps and air stripper. As indicated by the results, the total quarterly mass of VOCs extracted by the treatment system decreased during the third quarter of operation in 2003. This decrease occurred primarily due to the system shutdown to replace the air stripper blower motor. Overall, the mass removal rate of VOCs extracted is trending downward and is expected to continue decreasing as contaminants within the subsurface are removed. It is evident by review of Figure 7 in Appendix A that the system mass removal rate is nearing an asymptotic level.

3.7 SYSTEM EVALUATION SINCE STARTUP

It is apparent by an evaluation of TCE concentrations detected in the on-site monitoring wells that the System has been successful in removing contaminants from the subsurface. As shown by the Concentration Trend Graphs in Appendix F, the TCE concentrations show an overall decline in all wells except BR-03.

As discussed above, the System has operated successfully since January 2001 maintaining a 94.1 percent operational rate during the 33-month period. Since that time, 35.9 million gallons of groundwater have

Table 3-7
System Analytical Data,
January 2001 – September 2003

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Sample Location	Date	cis-1,2-DCE	trans-1,2-DCE	TCE	Vinyl Chloride
		Vapor Analytical Results[1] (mg/m^3)			
Vacuum Pump #1 (South TCE Source Area)	1/6/01	<25	<25	914.00	<25
	2/7/01	2.70	<1.0	371.00	<1.0
	3/6/01	<5.0	<5.0	129.00	<5.0
	4/17/01	1.60	<1.0	215.00	<1.0
	5/16/01	1.20	<1.0	120.00	<1.0
	6/7/01	1.20	<1.0	110.00	<1.0
	7/13/01	<1.0	<1.0	80.00	<1.0
	8/7/01	<1.0	<1.0	90.00	<1.0
	9/12/01	1.10	<1.0	97.00	<1.0
	10/11/01	<1.0	<1.0	76.00	<1.0
	11/9/01	1.4	<1.0	160.00	<1.0
	12/14/01	<0.5	<0.5	10.90	<0.5
	1/8/02	<0.5	<0.5	9.25	<0.5
	2/18/02	2.10	<1.0	170.00	<1.0
	3/8/02	1.40	<1.0	90.00	<1.0
	4/5/02	4.20	<1.0	360.00	<1.0
	5/13/02	2.40	<1.0	260.00	<1.0
	6/10/02	1.60	<1.0	120.00	<1.0
	7/11/02	1.10	<1.0	79.00	<1.0
	8/14/02	<1.0	<1.0	37.00	<1.0
	9/12/02	<1.0	<1.0	24.00	<1.0
	10/9/02	<1.0	<1.0	56.00	<1.0
	11/15/02	2.10	<1.0	120.00	<1.0
	12/23/02	2.50	<1.0	190.00	<1.0
	1/16/03	<1.0	<1.0	72.00	<1.0
	2/18/03	<1.0	<1.0	28.00	<1.0
	3/14/03	<1.0	<1.0	74.00	<1.0
	6/20/03	<1.0	<1.0	41.00	<1.0
	7/2003	NS	NS	19.00	NS
	8/29/2003	<1.0	<1.0	19.00	<1.0
	9/29/2003	<1.0	<1.0	38.00	<1.0

See notes at end of table.

Table 3-7 (Continued)
System Analytical Data,
January 2001 – September 2003

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample Location	Date	cis-1,2-DCE	trans-1,2-DCE	TCE	Vinyl Chloride
		Vapor Analytical Results[1] (mg/m^3)			
Vacuum Pump #2 (South TCE Source Area)	1/6/01	<25	<25	963.00	<25
	2/7/01	<12.5	<12.5	425.00	<12.5
	3/6/01	<5.0	<5.0	140.00	<5.0
	4/17/01	2.30	<1.0	247.00	<1.0
	5/16/01	1.20	<1.0	110.00	<1.0
	6/7/01	NS	NS	NS	NS
	7/13/01	<1.0	<1.0	78.00	<1.0
	8/7/01	<1.0	<1.0	89.00	<1.0
	9/12/01	1.2	<1.0	110.00	<1.0
	10/11/01	<1.0	<1.0	76.00	<1.0
	11/9/01	1.30	<1.0	170.00	<1.0
	12/14/01	<0.5	<0.5	7.75	<0.5
	1/8/02	<0.5	<0.5	8.61	<0.5
	2/18/02	2.10	<1.0	190.00	<1.0
	3/8/02	1.40	<1.0	86.00	<1.0
	4/5/02	3.90	<1.0	380.00	<1.0
	5/13/02	2.50	<1.0	250.00	<1.0
	6/10/02	1.40	<1.0	120.00	<1.0
	7/11/02	1.00	<1.0	86.00	<1.0
	8/14/02	<1.0	<1.0	35.00	<1.0
	9/12/02	<1.0	<1.0	24.00	<1.0
	10/9/02	<1.0	<1.0	33.00	<1.0
	11/15/02	<1.0	<1.0	28.00	<1.0
	12/23/02	2.50	<1.0	200.00	<1.0
	1/16/03	<1.0	<1.0	70.00	<1.0
	2/18/03	<1.0	<1.0	22.00	<1.0
	3/14/03	<1.0	<1.0	73.00	<1.0
	6/20/03	<1.0	<1.0	46.00	<1.0
	7/2003	NS	NS	20.00	NS
	8/29/2003	<1.0	<1.0	20.00	<1.0
	9/29/2003	1.40	<1.0	79.00	<1.0

See notes at end of table.

Table 3-7 (Continued)
System Analytical Data,
January 2001 – September 2003

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample Location	Date	cis-1,2-DCE	trans-1,2-DCE	TCE	Vinyl Chloride
		Vapor Analytical Results[1] (mg/m^3)			
Vacuum Pump #3 (North TCE Source Area)	1/6/01	<1.0	<1.0	41.00	<1.0
	2/7/01	1.40	<1.0	38.00	<1.0
	3/6/01	<1.0	<1.0	35.00	<1.0
	4/17/01	1.10	<1.0	42.00	<1.0
	5/16/01	2.20	<1.0	95.00	<1.0
	6/7/01	<1.0	<1.0	26.00	<1.0
	7/13/01	<1.0	<1.0	31.00	<1.0
	8/7/01	<1.0	<1.0	28.00	<1.0
	9/12/01	<1.0	<1.0	21.00	<1.0
	10/11/01	<1.0	<1.0	28.00	<1.0
	11/9/01	<1.0	<1.0	22.00	<1.0
	12/14/01	<0.5	<0.5	1.73	<0.5
	1/8/02	<0.5	<0.5	2.81	<0.5
	2/18/02	1.50	<1.0	35.00	<1.0
	3/8/02	<1.0	<1.0	52.00	<1.0
	4/5/02	1.80	<1.0	42.00	<1.0
	5/13/02	1.80	<1.0	48.00	<1.0
	6/10/02	1.50	<1.0	38.00	<1.0
	7/11/02	NS	NS	NS	NS
	8/14/02	NS	NS	NS	NS
	9/12/02	<1.0	<1.0	9.60	<1.0
	10/9/02	<1.0	<1.0	14.00	<1.0
	11/15/02	<1.0	<1.0	11.00	<1.0
	12/23/02	1.60	<1.0	29.00	<1.0
	1/16/03	<1.0	<1.0	23.00	<1.0
	2/18/03	<1.0	<1.0	5.20	<1.0
	3/14/03	<1.0	<1.0	22.00	<1.0
	6/20/03	<1.0	<1.0	13.00	<1.0
	7/2003	NS	NS	11.00	NS
	8/29/2003	<1.0	<1.0	11.00	<1.0
	9/29/2003	<1.0	<1.0	3.40	<1.0

See notes at end of table.

Table 3-7 (Continued)
System Analytical Data,
January 2001 – September 2003

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample Location	Date	cis-1,2-DCE	trans-1,2-DCE	TCE	Vinyl Chloride
		Vapor Analytical Results[1] (mg/m^3)			
Air Stripper Effluent	1/6/01	1.20	<1.0	32.00	<1.0
	2/7/01	1.20	<1.0	17.00	<1.0
	3/6/01	2.10	<1.0	25.00	<1.0
	4/17/01	4.00	<1.0	40.00	<1.0
	5/16/01	4.90	<1.0	26.00	<1.0
	6/7/01	4.50	<1.0	17.00	<1.0
	7/13/01	4.90	<1.0	17.00	<1.0
	8/7/01	3.90	<1.0	14.00	<1.0
	9/12/01	3.20	<1.0	11.00	<1.0
	10/11/01	5.00	<1.0	18.00	<1.0
	11/9/01	3.90	<1.0	15.00	<1.0
	12/14/01	<0.5	<0.5	0.74	<0.5
	1/8/02	0.76	<0.5	2.60	<0.5
	2/18/02	5.3	<1.0	30.00	<1.0
	3/8/02	3.7	<1.0	14.00	<1.0
	4/5/02	4.6	<1.0	24	<1.0
	5/13/02	3.5	<1.0	20	<1.0
	6/10/02	2.5	<1.0	14	<1.0
	7/11/02	2.1	<1.0	12	<1.0
	8/14/02	3.3	<1.0	11	<1.0
	9/12/02	1.9	<1.0	9.6	<1.0
	10/9/02	1.9	<1.0	12	<1.0
	11/15/02	2.1	<1.0	12	<1.0
	12/23/02	3.0	<1.0	18	<1.0
	1/16/03	1.3	<1.0	9.7	<1.0
	2/18/03	1.5	<1.0	8.1	<1.0
	3/14/03	1.5	<1.0	14	<1.0
	6/20/03	1.5	<1.0	6.4	<1.0
	7/2003	NS	NS	6.4	NS
	8/29/2003	<1.0	<1.0	11	<1.0
	9/29/2003	3.70	<1.0	17	<1.0

See notes at end of table.

Table 3-7 (Continued)
System Analytical Data,
January 2001 – September 2003

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample Location	Date	cis-1,2-DCE	trans-1,2-DCE	TCE	Vinyl Chloride
		Groundwater Analytical Results[2] (µg/L)			
Air Stripper Influent	1/6/01	210	<130.00	5,000.00	<25.00
	2/7/01	300.00	12.00	4,100.00	1.10
	3/6/01	340.00	<130.00	4,000.00	<25.00
	4/17/01	390.00	12.00	3,500.00	<1.00
	5/16/01	660.00	16.00	3,200.00	<1.0
	6/7/01	750.00	15.00	3,000.00	1.50
	7/13/01	790.00	16.00	2,400.00	1.40
	8/7/01	1,100.00	16.00	3,200.00	<1.0
	9/12/01	660.00	10.00	2,000.00	3.00
	10/11/01	570.00	14.00	2,000.00	1.90
	11/9/01	640.00	12.00	2,300.00	2.20
	12/14/01	696.00	18.40	1,580.00	<2.0
	1/8/02	577.00	8.90	2,040.00	2.30
	2/18/02	427.00	<20	1,910.00	<20
	3/8/02	521.00	11.00	2,150.00	3.20
	4/5/02	432.00	6.70	2,060.00	2.20
	5/13/02	430.00	9.44	1,600.00	3.73
	6/10/02	318.00	6.73	1,650.00	1.60
	7/11/02	316.00	7.61	1,810.00	2.89
	8/14/02	589.00	14.20	1,820.00	<0.5
	9/12/02	472.00	8.19	1,490.00	4.19
	10/9/02	298.00	6.74	1,820.00	2.44
	11/15/02	73.00	6.20	437.00	<1.0
	12/23/02	374.00	7.80	2,180.00	<1.0
	1/16/03	300.00	8.60	2,080.00	2.70
	2/18/03	445.00	10.70	2,340.00	4.70
	3/14/03	236.00	6.70	1,980.00	4.00
	6/20/03	390.00	11.10	1,810.00	4.90
	9/29/2003	310.00	7.40	1,750.00	6.20

See notes at end of table.

Table 3-7 (Continued)
System Analytical Data,
January 2001 – September 2003

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Former Taylor Instruments Site
Rochester, New York

[1] Vapor Analysis is by EPA Method TO-14 Modified.
[2] Groundwater Analysis is by EPA Method 8260.

Notes: µg/L = micrograms per liter
DCE = dichloroethylene
EPA = Environmental Protection Agency (United States)
mg/m^3 = milligrams per cubic meter
NS = Vacuum Pump #2 was not sampled because it was shut down due to mechanical problems.
TCE = trichloroethylene

Prepared by M. Vandergriff on 10/26/03

Checked by L. Barrentine on 10/30/03

been extracted and treated. A total of 3,000 pounds of TCE have been removed from both the groundwater and subsurface soils via groundwater and soil vapor extraction. The performance of the System has been measured by tracking the change in TCE concentrations within on-site monitor wells and within the System groundwater influent and the System vapor effluent.

Contaminant mass removal is calculated from vapor results collected from four effluent locations. The first two locations include the vapor effluent ports for Vacuum Pumps #1 and #2, which measure the amount of soil vapor as well as contaminants stripped from groundwater during the turbulent extraction process associated with the South TCE Source Area. The third location includes the vapor effluent port for Vacuum Pump #3, which measures the amount of soil vapor as well as contaminants stripped from groundwater during the turbulent extraction process associated with the North TCE Source Area. The fourth and final location includes the vapor effluent port from the low profile air stripper. The air stripper removes contaminants from groundwater extracted by the three vacuum pumps and by the two bedrock extraction wells.

The cumulative mass of contaminants removed slightly increased as is shown in Figure 7 (Appendix A). A slight increase in vapor concentrations can be observed in Figure 8 (Appendix A), which depicts the vapor concentrations from the three vacuum pumps over the two-plus year operational period. Overall, these vapor concentrations have declined by 94 percent for the South TCE Source Area and 92 percent in the North TCE Source Area. The spikes observed are likely associated with the creation of preferential pathways allowing contaminant vapors to mobilize to the extraction wells. During December 2002, the measured TCE levels in System performance samples rose, likely due to parts of the System being shut down for maintenance for several weeks. This increase is considered a rebound effect where contaminant levels may increase during periods of System shut down. Since that spike, concentrations have continued trending downward during the first, second, and third quarters of operation during 2003.

The groundwater TCE influent concentrations have been tracked over the two-plus year System operation period and presented in Figure 9 (Appendix A). As can be seen these influent groundwater concentrations have decreased overall by 69 percent. There are several spikes observed that are associated with System operational shutdowns. Although these concentrations did rebound as expected, they did not recover to the levels measured at startup in January 2001.

Coupling the System performance data with the groundwater monitoring results discussed in previous sections, it is evident that the System has been successful in removing a significant mass of contaminants

from the site subsurface. The TCE concentrations have continued to decline significantly in both the on-site monitor wells and system influent.

The following overall conclusion has been reached with respect to remedial system performance:

As is typical of VOC extraction systems, the rate of VOC mass removal (see Figures 7, 8, and 9 in Appendix A) was greatest when the Systems began operation with only 9,441 gallons of water having to be pumped to remove 1 pound of VOC during the first quarter of operation, as shown on Table 3-6. In contrast, during the third quarter of 2003, 27,397 gallons of water had to be pumped to extract 1 pound of VOC. Similarly, looking at the TCE removal through both vapor and groundwater, the system mass removal rate was 0.17 pounds VOC per hour during the first quarter of 2001, but is now 0.01 pounds per hour for the third quarter of 2003. Clearly the System has reached asymptotic removal rates for continuous operations.

4.0 ANALYTICAL PROGRAM

Overall data quality is assessed by grouping particular data evaluation findings and reviewing them in terms of precision, accuracy, representativeness, completeness, and comparability (PARCC) criteria. Data generated during this monitoring period were evaluated for PARCC criteria after receipt of all analytical data.

4.1 PRECISION

Precision is a quantitative evaluation of the repeatability of a measurement. Precision of analytical measurements is determined by calculating the relative percent difference (RPD) between the two numerical values. For precision, the matrix spike (MS) is performed in duplicate, and the values from both analyses are evaluated. Comparison of results from duplicate field samples may also be indicative of overall precision of a data set. However, field duplicates may be influenced by sampling precision and are not as controlled as laboratory duplicates.

For quality control purposes, a MS and matrix spike duplicate (MSD) was taken for each set of 20 samples with a net result of 2 MS/MSD analyses for the September 2003 sampling event. The evaluation of MS/MSD criteria was used to qualify the data. The evaluations of MS/MSD analyses are presented in the following tables.

OB-07

Analyte	MS Value (mg/L)	Recovery (%)	MSD Value (mg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	0.0533	107	.0532	0.19	68 – 136	22
Chlorobenzene	0.0526	105	0.0520	1.15	78 – 125	17
1,1-Dichloroethene	0.0521	104	0.0526	0.96	67 – 141	21
Toluene	0.0522	104	0.0522	0.00	73 – 133	22
Trichloroethene	0.0631	104	0.0631	2.66	69 – 141	22
Tetrachloroethene	0.0503	101	0.0505	0.40	71 – 134	19

Note: mg/L = milligrams per liter

BR-12

Analyte	MS Value (mg/L)	Recovery (%)	MSD Value (mg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	0.0559	112	0.0699	22.26	68 – 136	22
Chlorobenzene	0.0576	115	0.0685	17.29	78 – 125	17
1,1-Dichloroethene	0.0564	113	0.0627	10.58	67 – 141	21
Toluene	0.0523	105	0.0620	16.97	73 – 133	22
Trichloroethene	0.0581	116	0.0680	15.70	69 – 141	22
Tetrachloroethene	0.0548	110	0.0625	13.13	71 – 134	19

These evaluations demonstrate that MS/MSD analyses are within acceptable limits.

Field duplicate sampling followed the same sampling outline as MS/MSD analysis. One duplicate sample was collected for each set of 20 field samples, resulting in 2 duplicate samples for the September 2003 sampling event. Field duplicate precision is presented in the following table.

Sample ID	Analyte	Practical Quantitation Limit	Sample Result (µg/L)	Flag	Duplicate Result (µg/L)	Flag	RPD
BR-07	Benzene	1	3.2		1.6		0.66
	cis-1,2-Dichloroethene	1	12.8		15.4		0.18
	trans-1,2-Dichloroethene	1	8.1		9.5		0.16
	Trichloroethene	1	1.1		--		--
	Vinyl chloride	1	55.9		66.3		0.17
W-5	cis-1,2-Dichloroethene	1	129		112		0.14
	trans-1,2-Dichloroethene	1	4		3.9		0.03
	Trichloroethene	1	510		444		0.14

The RPD for all analytes indicates that field duplicate precision as shown in this table is considered acceptable.

4.2 ACCURACY

Accuracy is a quantitative measurement of agreement between an analytical result and the true value. Accuracy is determined by comparing known amounts of analytes, which are added to the sample prior to analysis, to the field analytical results. Accuracy is expressed as a percentage of recovery (%R) of the total amount of spiked analyte. For VOC analyses, each sample was spiked with surrogate compounds prior to analysis (and extraction), and chosen samples were spiked (in duplicate) with additional spikes (MS and MSD). Surrogate and MS/MSD recoveries evaluate accuracy and identify interferences from the sample matrix.

Surrogate recoveries were acceptable for VOC analyses for this sampling event.

4.3 REPRESENTATIVENESS

Representativeness is a qualitative measurement of the degree to which analytical results reflect the true concentrations of analytes that may (or not) be present in a sample. Representativeness of organic analytical results of true site conditions is evaluated using trip blanks, field blanks, method blanks, and rinsate from decontaminated sampling equipment. Target organic compounds in quality control (QC)

samples may represent contamination during sampling or transportation of samples to the laboratory. Compliance with holding time and extraction criteria also assures representativeness of results.

Two field blanks for the September 2003 event were analyzed to characterize the water source used during these sampling events. Potable water was used by the field crews for field blanks. No target VOCs were detected above the reporting limit in either field blank.

No target VOCs were detected above the reporting limit in any method blank.

Two trip blanks were analyzed as part of the VOC laboratory QC program. No target VOCs were detected above the reporting limit in either trip blank.

Equipment rinse samples were collected per every 20 production samples, using potable water to rinse field equipment, and analyzed for all target constituents. Two rinsate blanks were collected during the September 2003 event. No target VOCs were detected above the reporting limit in either rinsate blank.

Representativeness is considered complete due to the lack of target VOC detections in QC efforts.

4.4 COMPLETENESS

Completeness is a quantitative measurement of the usability of a data set. Completeness is defined as the percentage of data that satisfy validation criteria. Rejected data are not usable. Data qualified as estimated, however, is usable. Completeness goals were 100 percent for this report and are considered to be met.

4.5 COMPARABILITY

Comparability is a qualitative assessment of the confidence with which different data sets may be used to characterize a site. Comparability is a necessary criteria because sampling is often performed at different times and precision, accuracy, and representativeness are unique to each sampling event. Comparability between data generated at different times at a single site is evaluated by reviewing sample collection and handling procedures, sample matrix, and analytical methods used. Standardization of sampling protocols and analytical methods assures comparability as long as precision and accuracy criteria are satisfied for each data set. The overall analytical performance for this report was evaluated, and should be comparable to previous and future data sets.

5.0 CONCLUSIONS AND RECOMMENDATIONS

A comparison of analytical data from the eleven quarterly sampling events that occurred in 2001, 2002, and 2003 provides an evaluation of the System performance. The following overall conclusions have been reached in this remedial progress evaluation:

- Overall decreases in TCE concentrations have been observed in all perimeter and site interior monitor wells except for BR-03. A decrease in the System influent TCE concentrations has also been observed, which would be expected since contaminant levels have declined in the North and South TCE Source Areas where extraction is occurring.

- The System has successfully removed 3,000 pounds of TCE from subsurface media.

- It is apparent that the System has reached an asymptotic level of operation as can be seen in the mass removal rate reported in Table 3-6.

6.0 REFERENCES

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APPENDIX A

FIGURES

PREPARED BY: B. GUPTON | DATE: 08/26/03 | CHECKED BY: MJS | DATE: 10/28/03

HAGUE STREET

WEST AVENUE

AMES STREET

RAILROAD TRACKS

N/F NEW YORK CENTRAL RAILROAD

GROUNDWATER TREATMENT BUILDING

STORAGE SHED

BUILDING FOUNDATION

CORRUGATED GUIDE RAIL

MH 528.13

MH 529.59

MH 523.28

MH 519.91

MH 517.83

MH 522.70

MH 521.02

MH 522.52

MH 516.32

MH 501.72

MH-22

MH-23

MH-24

MH-25

MH-26

CB-20

CB-19

CB-18

CB-17

CB-16

CB-15

CB-14

CB-12

CB-11

CB-10

CB-9

CB-8

CB-7

CB-5

CB-4

CB-3

CB-2

CB-1

MH-21

MW-00

TW-13

TW-17

TW-74

TW-07

TW-01

TW-04

TW-20

BR-01

BR-02

BR-03

BR-04

BR-05

BR-06

BR-07

BR-08

BR-09

BR-10

BR-11

BR-12

BR-13

BR-14

BR-15

BR-16

BR-17

OB-04

OB-05

OB-06

OB-07

OB-08

OB-09

W-1

W-2

W-3

W-4

W-5

W-6

BREW-N-1

BREW-S-1

6' GATE

GATE POST

CONC. SW

CURB

CB

WROUGHT IRON FENCE

CONC. STAIRS

10" VIT

LEGEND

- MANHOLE
- EXISTING ABANDONED SEWER LATERAL PLUG
- RAILROAD TRACKS
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
- GUARD RAIL
- BEDROCK MONITORING WELL (BR)
- OVERBURDEN MONITORING WELL (OB, MW, TW, W)
- BEDROCK EXTRACTION WELL (BREW)
- DUAL-PHASE VACUUM EXTRACTION WELL (DPVE)
- VENT WELL

0' 20' 40' 80'

SCALE: 1"=80'

NOTE:
THE AREA IS COVERED WITH BITUMINOUS PAVEMENT INSIDE FENCED AREA.

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FIGURE 1
WELL LOCATIONS
THIRD QUARTER REPORT 2003
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

MACTEC

PREPARED BY: B. GUPTON DATE: 08/26/03 CHECKED BY: L. Barrentine DATE: 10/30/03

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HAGUE STREET

AMES STREET

WEST AVENUE

BURO

CONC. SW

CURB

GATE POST

CONC. SW

CORRUGATED GUIDE RAIL

BRICK BUILDING

STEEL COVER

GROUNDWATER TREATMENT BUILDING

STORAGE SHED

CONC. STAIRS

BUILDING FOUNDATION

STAIRS

RESIDENCE

N/F NEW YORK CENTRAL RAILROAD TRACKS

DAVENPORT MACHINE

GV

WV

W-1 W-2 W-3 W-4 W-5 W-6

BR-01 BR-02 BR-03 BR-04 BR-05 BR-06 BR-07 BR-08 BR-09 BR-10 BR-11 BR-12 BR-13 BR-14 BR-15 BR-16 BR-17

OB-04 OB-05 OB-06 OB-07 OB-08 OB-09

TW-01 TW-04 TW-07 TW-09 TW-13 TW-17 TW-20 TW-74

MW-00

LEGEND

- OVERBURDEN MONITORING WELL (OB, MW, TW, W)
- BEDROCK MONITORING WELL (BR)
- DCE DICHLOROETHENE
- PCE TETRACHLOROETHENE (PERCHLOROETHENE)
- TCE TRICHLOROETHENE
- J ESTIMATED VALUE
- U NON DETECT
- NS NON DETECT
- NS (DRY) NOT SAMPLED

NOTE: OCT 00/NOV 00 REPRESENTS THE BASELINE (PREREMEDIATION) SAMPLING EVENT.

0 20' 40' 80'

SCALE: 1"=80'

Site ID: W-2 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-DCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,2-DCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-DCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl Chloride	1.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Site ID: W-4 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS
TCE	5.0 U	1.6 J	1.1 J	5 U	2 U	1 U	2 U	2 U	1	NS	NS	NS
cis-1,2-DCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS
trans-1,2-DCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS
1,1-DCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS

Site ID: TW-13 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS
TCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS
cis-1,2-DCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS
trans-1,2-DCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS
1,1-DCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	2 U	1 U	2 U	2 U	1 U	NS	NS	NS

Site ID: OB-05 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	500 U	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	1 U	2.7	3.4	NS (DRY)	2.1	NS (DRY)
TCE	25000	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	52.8	489	604	NS (DRY)	97.2	NS (DRY)
cis-1,2-DCE	4600	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	1 U	15	13	NS (DRY)	2.5	NS (DRY)
trans-1,2-DCE	500 U	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	1 U	1 U	1 U	NS (DRY)	1 U	NS (DRY)
1,1-DCE	500 U	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	1 U	1 U	1 U	NS (DRY)	1 U	NS (DRY)
Vinyl Chloride	350 J	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	1 U	1 U	1 U	NS (DRY)	1 U	NS (DRY)

Site ID: OB-04 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	25000 U	5.0 U	1000 U	NS (DRY)	19.9	12.9	20 U	1.8	2 U	1 U	1 U	6
TCE	70000	150	39000	NS (DRY)	71500	65600	3650	3760	46.3	11.3	41.5	2780
cis-1,2-DCE	2900	3.2 J	21000	NS (DRY)	56000	1640	554	1950	5.5	1.3	6.7	125
trans-1,2-DCE	2500 U	5.0 U	1000 U	NS (DRY)	170	16.6	20 U	7.5	2 U	1 U	1 U	1.9
1,1-DCE	2500 U	5.0 U	1000 U	NS (DRY)	108	3.8	20 U	4.9	2 U	1 U	1 U	1 U
Vinyl Chloride	500 U	1.0 U	200 U	NS (DRY)	10.2	2 U	20 U	2	2 U	1 U	1 U	1 U

Site ID: OB-06 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	50 U	25 U	25 U	25 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	2600	540	720	5600	637	528	184	386	100	84.9	52.7	242
cis-1,2-DCE	80	25 U	12 J	240	13.7	7.8	2.8	10.1	1.5	1.5	1.1	2.8
trans-1,2-DCE	50 U	25 U	25 U	9 J	2 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U
1,1-DCE	50 U	25 U	25 U	25 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U
Vinyl Chloride	10 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U

Site ID: OB-08 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	1000 U	1300 U	500 U	1000 U	2 U	13.1	20 U	9.4	8.9	5.1	3.9	2.8
TCE	40000	29000	15000	27000	500 U	15750	5370	5440	8050	3480	2250	2780
cis-1,2-DCE	390 J	380 J	240 J	560 J	9.3	208	20 U	110	94.2	37.3	15.3	32.1
trans-1,2-DCE	1000 U	1300 U	500 U	1000 U	2 U	8.6	20 U	3.6	5	2.2	1.2	3.1
1,1-DCE	1000 U	1300 U	500 U	1000 U	2 U	2.7	20 U	2 U	1.3	1 U	1 U	1 U
Vinyl Chloride	200 U	250 U	100 U	200 U	2 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U

Site ID: OB-09 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	180	150	150	180	141	117	88	153	88.5	44.2	70.7	95.9
cis-1,2-DCE	14	18	17	23	20.5	12	7.4	18.6	9.2	4.8	8.2	10.3
trans-1,2-DCE	5.0 U	5.0 U	5 U	3.5 J	2.3	2 U	2 U	1.8	1 U	1 U	1 U	1 U
1,1-DCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U

Site ID: W-5 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5 U	5 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	58 U	120	62	64	1435	737	155	960	777	282	234	510
cis-1,2-DCE	27	25	23	9.1	39.5	21.6	15.7	49.6	52	132	128	129
trans-1,2-DCE	11	8.1	9.6	6.5	9	3.5	2 U	2 U	3.6	3.4	5	4
1,1-DCE	5.0 U	5.0 U	5 U	5 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U

Site ID: TW-17 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	25 U	25 U	25 U	25 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	1000	530	490	740	515	339	393	666	390	379	282	435
cis-1,2-DCE	7.9 J	25 U	25 U	25 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
trans-1,2-DCE	25 U	25 U	25 U	25 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
1,1-DCE	25 U	25 U	25 U	25 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Vinyl Chloride	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U

Site ID: OB-07 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	25 U	5 U	1 U	2 U	2 U	2 U	1 U	1 U		
TCE	54 U	7.5	10 J	17	21.8	4.2	7.1	12.4	10.2	2 U	8.2	11.2
cis-1,2-DCE	5.0 U	5.0 U	25 U	1.8 J	7	2 U	2 U	2 U	1 U	2 U	1 U	1 U
trans-1,2-DCE	5.0 U	5.0 U	25 U	5 U	1 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
1,1-DCE	5.0 U	5.0 U	25 U	5 U	1 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	5 U	1 U	1 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U

Site ID: TW-09 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
TCE	230	120	200	130	110	55.4	36.5	91.5	38	2 U	29.4	77
cis-1,2-DCE	38	1.9 J	7.4	9.8	4	2	2 U	4	1 U	2 U	1 U	8.4
trans-1,2-DCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
1,1-DCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U

Site ID: TW-04 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	100 U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	42	14	100 U	27	51.1	51	20.7	21.2	42.5	1 U	19.3	29.2
cis-1,2-DCE	79	18	100 U	38	19.4	3.7	2 U	7.1	5.5	1 U	1 U	3.1
trans-1,2-DCE	5.0 U	5.0 U	100 U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
1,1-DCE	5.0 U	5.0 U	100 U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	20 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U

Site ID: TW-07 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
TCE	28	5.0 U	27	74	42.8	18.7	5	32.2	48	14.2	8.1	20.6
cis-1,2-DCE	7.2	5.0 U	3.9 J	11	7.7	2.6	2 U	5.1	8.3	2.1	1 U	3.8
trans-1,2-DCE	28	1.2 J	13	18	21.4	6.4	2 U	12.4	15.4	5.8	1.1	9.8
1,1-DCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U

Site ID: TW-01 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-DCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,2-DCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-DCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl Chloride	1.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Site ID: TW-20 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
TCE	5.2	12	2.9 J	5 U	3.1	2.4	2.7	2 U	11.8	2.4	1 U	5
cis-1,2-DCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
trans-1,2-DCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
1,1-DCE	5.0 U	5.0 U	5 U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U	1 U

MONTH SAMPLED

SAMPLE LOCATION

Site ID: OB-05 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01
PCE	500 U	NS	NS (DRY)
TCE	25000	NS	NS (DRY)
cis-1,2-DCE	4600	NS	NS (DRY)
trans-1,2-DCE	500 U	NS	NS (DRY)
1,1-DCE	500 U	NS	NS (DRY)
Vinyl Chloride	350 J	NS	NS (DRY)

FIGURE 2
VOCs IN OVERBURDEN MONITORING WELLS
THIRD QUARTER REPORT 2003
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

MACTEC

PREPARED BY: B. GUPTON | DATE: 08/26/03 | CHECKED BY: L. Barrentine | DATE: 10/30/02

HAGUE STREET

WEST AVENUE

AMES STREET

CONC. SW | CURB | GATE POST | CORRUGATED GUIDE RAIL | BRICK BUILDING | STEEL COVER | GROUNDWATER TREATMENT BUILDING | STORAGE SHED | BUILDING FOUNDATION | STAIRS | CONC. STAIRS | GV | WV | RESIDENCE | DAVENPORT MACHINE | N/F NEW YORK CENTRAL RAILROAD RAILROAD TRACKS

BR-06 W-2 BR-07 W-4 MW-00 TW-13 BR-12 BR-13 W-3 BR-05 OB-05 BR-16 BREW-N-1 W-5 BR-14 OB-08 BR-15 OB-09 BR-01 TW-17 W-6 BR-04 OB-04 BR-17 BR-08 BREW-S-1 BR-09 BR-11 OB-06 TW-74 BR-10 OB-07 W-1 BR-03 TW-01 TW-04 TW-07 TW-09 BR-02 TW-20

LEGEND

- OVERBURDEN MONITORING WELL (OB, MW, TW, W)
- BEDROCK MONITORING WELL (BR)

DCE DICHLOROETHENE
PCE TETRACHLOROETHENE (PERCHLOROETHENE)
TCE TRICHLOROETHENE
J ESTIMATED VALUE
U NON DETECT

NOTE: OCT 00/NOV 00 REPRESENTS THE BASELINE (PREREMEDIATION) SAMPLING EVENT.

MONTH SAMPLED
SAMPLE LOCATION

Site ID: BR-06 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01
PCE	5.0 U	5.0 U	5 U
TCE	5.0 U	5.0 U	1.8 J
cis-1,2-DCE	5.0 U	5.0 U	5 U
trans-1,2-DCE	5.0 U	5.0 U	5 U
1,1-DCE	5.0 U	5.0 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1 U

Site ID: BR-06 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	2 U	NS	NS	NS
TCE	5.0 U	5.0 U	1.8 J	5 U	2 U	1 U	2 U	2 U	2 U	NS	NS	NS
cis-1,2-DCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	2 U	NS	NS	NS
trans-1,2-DCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	2 U	NS	NS	NS
1,1-DCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	2 U	NS	NS	NS
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	2 U	1 U	2 U	2 U	2 U	NS	NS	NS

Site ID: BR-08 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	25 U	25 U	50 U	50 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	540	1100	720	830	649	621	528	463	398	256	289	322
cis-1,2-DCE	44	320	210	250	246	242	212	220	222	150	184	242
trans-1,2-DCE	5.2 J	6.7 J	50 U	50 U	3	3	2.8	2.8	3.3	1 U	2.7	8.7
1,1-DCE	25 U	25 U	50 U	50 U	2 U	1 U	2 U	2 U	4.5	1 U	1 U	1 U
Vinyl Chloride	7.0 J	5.0 U	10 U	10 U	3.1	4	2 U	2 U	4.5	1 U	1 U	1 U

Site ID: BR-17 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	10 U	25 U	25 U	130U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	840	6900	5200	4100	3840	2800	4540	2740	186	2020	3320	3200
cis-1,2-DCE	160	360	280	220	248	206	198	210	204	159	199	173
trans-1,2-DCE	84	93	68 J	60 J	44	56.5	49.8	36.8	65.2	41	44	39.2
1,1-DCE	3.8 J	9.4 J	25 U	130U	4.7	5.1	5	5.2	5.2	3.3	2.5	3.1
Vinyl Chloride	2.0 U	52	46	57 J	33.4	57	45.9	24.5	63.2	36.3	43.7	77.8

Site ID: BR-09 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	250 U	250 U	50 U	250U	2 U	2 U	20 U	2 U	1.7	1 U	1 U	1 U
TCE	13000	9500	1500	5500	6000	2420	6530	4590	9030	343	57.5	4330
cis-1,2-DCE	190 J	100 J	36 J	68 J	60	302	20 U	64.3	95.3	303	14.9	43.1
trans-1,2-DCE	250 U	250 U	50 U	250U	2.9	5.4	20 U	5.1	7.3	2.1	1 U	3.2
1,1-DCE	250 U	250 U	50 U	250U	2U	2U	20U	2U	1.3	1	1U	1U
Vinyl Chloride	50 U	50 U	10 U	50U	2U	2U	20U	2U	1U	1U	1U	1U

Site ID: BR-04 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	50 U	250 U	100 U	250U	1.2	2U	20 U	2U	2U	1.8	1U	1U
TCE	10000	9000	4300	5000	5700	5750	4570	3310	5300	4630	302	2540
cis-1,2-DCE	600	400	320	420	430	384	338	551	535	473	1280	560
trans-1,2-DCE	140	95 J	81 J	100 J	79.9	77	49	63.1	77.8	52	19.5	81
1,1-DCE	17 J	250 U	100 U	250U	9	8.1	20 U	8.3	8.3	6.8	3.6	5.4
Vinyl Chloride	25 J	50 U	20 U	50U	27.4	23.4	20 U	32.2	27.1	14.8	1.2	32.2

Site ID: BR-07 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	10 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	7.4	3.4 J	2.7 J	8.2	4.7	2 U	4.9	4	2 U	3.9	2.3	1.1
cis-1,2-DCE	29	34	33	32	28.5	9	32.9	27.3	17.8	35.9	30.7	12.8
trans-1,2-DCE	10	13	13	16	10.2	4.3	14.4	14.8	10.1	18	15.8	8.1
1,1-DCE	5.0 U	10 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
Vinyl Chloride	220	210	200	180	101	33.6	119	90.4	64.6	97.5	101	55.9

Site ID: BR-13 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	130U	100U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	2.5 J	3200 J	3100	2600	156	132	1980	3240	2.8	1 U	81.2	3
cis-1,2-DCE	5.0 U	150	160	160	14.8	23.7	558	600	2 U	1 U	81	8.5
trans-1,2-DCE	5.0 U	14	130U	100U	1 U	2 U	11.2	22	2 U	1 U	2.3	1 U
1,1-DCE	5.0 U	1.7 J	130U	100U	1 U	2 U	4.2	8	2 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	25U	20 U	1 U	2 U	3.4	5.1	2 U	1 U	2.2	1 U

Site ID: BR-12 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5 U	5 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	200	130	99	27	1 U	7.4	17.4	3.5	2 U	1 U	1 U	1 U
cis-1,2-DCE	8.1	21	26	37	3	15.3	9.8	23.8	28.6	27.5	18.3	20.8
trans-1,2-DCE	5.0 U	5.0 U	5 U	2.1 J	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
1,1-DCE	5.0 U	5.0 U	5 U	5 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U

Site ID: BR-05 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	50 U	250 U	50 U	130U	10U	2U	10U	10U	1U	1U	1U	1U
TCE	4800	5800	4300	2500	3420	3050	4470	2950	3140	2440	56.8	2380
cis-1,2-DCE	1200	850	1600	1800	2480	1734	118	1720	2240	1040	216	1800
trans-1,2-DCE	130	120 J	130	150	153.3	164	23	138	170	113	15.3	151
1,1-DCE	50 U	250 U	37 J	38 J	41.5	40.2	25	29.7	49.1	20	1.9	17.9
Vinyl Chloride	160	160	290	420	290.5	328	178	434	390	184	38.7	380

Site ID: BR-16 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5 U	5 U	1 U	1 U	2 U	2 U	2 U	NS	NS	NS
TCE	6.0	1.2 J	5 U	5 U	1 U	1 U	2 U	2 U	2 U	NS	NS	NS
cis-1,2-DCE	3.8 J	5.0 U	5 U	5 U	1 U	1 U	2 U	2 U	2 U	NS	NS	NS
trans-1,2-DCE	5.0 U	5.0 U	5 U	5 U	1 U	1 U	2 U	2 U	2 U	NS	NS	NS
1,1-DCE	5.0 U	5.0 U	5 U	5 U	1 U	1 U	2 U	2 U	2 U	NS	NS	NS
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	NS	NS	NS

Site ID: BR-15 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	100 U	100 U	100 U	200U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	2700	2500	2300	4800	6590	5500	5800	4390	4740	2500	1180	1230
cis-1,2-DCE	54 J	33 J	49 J	110 J	189	172	373	555	177	404	1390	58
trans-1,2-DCE	100 U	100 U	100 U	200U	28.2	38.6	36.9	40.3	43.6	21.9	24.8	35.3
1,1-DCE	100 U	100 U	100 U	200U	2	2.2	4.6	7.5	2.8	4.3	8.4	6.9
Vinyl Chloride	20 U	20 U	20 U	40U	1.1	2U	3.8	5.4	2U	1.2	3.9	8.3

Site ID: BR-14 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	5.0 U	5U	5U	2U	1U	2U	2U	2U	1U	1U	1U
TCE	5.0 U	1.2 J	5U	5U	2.2	1U	2U	2U	2U	1U	1U	1U
cis-1,2-DCE	1.2 J	5.0 U	5U	5U	2U	1U	2U	2U	2U	1U	1U	1U
trans-1,2-DCE	5.0 U	5.0 U	5U	5U	2U	1U	2U	2U	2U	1U	1U	1U
1,1-DCE	5.0 U	5.0 U	5U	5U	2U	1U	2U	2U	2U	1U	1U	1U
Vinyl Chloride	1.0 U	1.0 U	1U	1U	2U	1U	2U	2U	2U	1U	1U	1U

Site ID: BR-11 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	50 U	50 U	1000 U	2500 U	2 U	2 U	20 U	2.3	1.7	2.3	1 U	1 U
TCE	1400	44000	39000	60000	140	33300	874	37200	34100	26800	5890	22700
cis-1,2-DCE	320	280	660 J	2500 U	339	370	52	440	1650	338	313	400
trans-1,2-DCE	52	120	1000 U	2500 U	108	106	20 U	82.4	80.1	1 U	52.6	65.7
1,1-DCE	50 U	21 J	1000 U	2500 U	2	10.9	20 U	12.2	25.8	8.1	3	7.7
Vinyl Chloride	13 J	10 U	200 U	500 U	35.4	28.1	32	18	31.1	25.7	23.8	28.3

Site ID: BR-10 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	100 U	130 U	250 U	250U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	4000	4700	8500	8700	5350	3745	5100	2 U	3060	2580	2950	2250
cis-1,2-DCE	450	980	1000	1700	1200	1080	1290	120	750	866	1080	400
trans-1,2-DCE	27 J	110 J	250 U	160 J	82.8	78.2	64.6	9.8	60.1	42.2	61.7	49.4
1,1-DCE	100 U	130 U	250 U	250U	3.4	3.9	4.7	2 U	2.3	2.5	3.2	2.0
Vinyl Chloride	20 U	25 U	50 U	50U	5.6	5.5	5.3	2 U	2 U	3.1	5.1	18.1

Site ID: BR-03 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	13 U	25 U	13U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	440	810	500	330	780	599	854	370	821	590	632	1150
cis-1,2-DCE	99	12 J	20 J	7.8 J	7.8	9.8	19.7	6.5	13.5	7.7	25.3	10.4
trans-1,2-DCE	1.2 J	13 U	25 U	13U	2U	1U	2U	2U	2U	1U	1.9	1.5
1,1-DCE	2.2 J	3.2 J	25 U	13U	2.2	2.1	2.8	2U	3.3U	2	3	3.1
Vinyl Chloride	1.0 U	2.5 U	5U	2.5U	2U	1U	2U	2U	2U	1U	1U	1U

Site ID: BR-02 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	50 U	50 U	50 U	50U	2U	1 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	1800	1200	1000	7000	6500	588	568	768	884	4000	710	372
cis-1,2-DCE	540	85	94	1500	1830	79.8	122	516	172	19100	17900	245
trans-1,2-DCE	31 J	50 U	27 J	63	59.8	20.8	2.2	24.4	29.8	154	120	23.3
1,1-DCE	50 U	50 U	50 U	31 J	30.3	1.2	2 U	4.8	2 U	156	122	1 U
Vinyl Chloride	10 U	10 U	10 U	10U	19.6	1 U	2 U	18.7	5.6	64.9	68.1	1 U

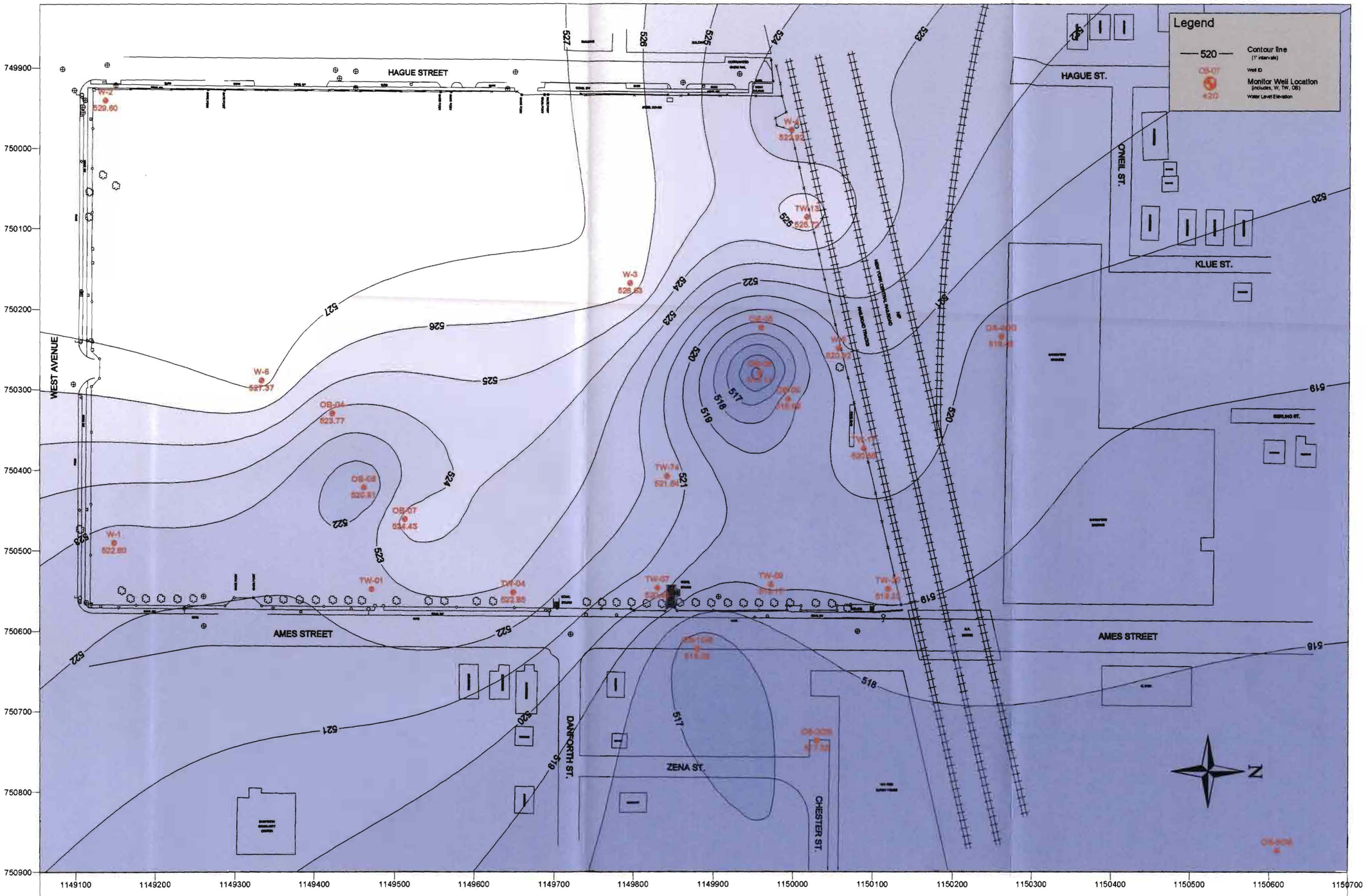
Site ID: BR-01 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03
PCE	5.0 U	10 U	10 U	5 U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	180	320	270	31	83.8	47.3	85.7	107	14.3	25.8	60.9	102
cis-1,2-DCE	550	34	59	170	77.5	5.5	10.1	18	83	2.1	4.6	11.4
trans-1,2-DCE	4.3 J	2.2 J	4.4 J	16	2	1.8	3.2	4	3.8	1	2.8	1.7
1,1-DCE	5.0 U	10 U	10 U	5 U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U
Vinyl Chloride	3.5 J	2.0 U	2 U	1 U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U

0 20' 40' 80'
SCALE: 1"=80'

FIGURE 3
VOCs IN BEDROCK MONITORING WELLS
THIRD QUARTER REPORT 2003
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK
MACTEC

P:\Cadd\51870\C51870EP14A.dwg Tue, 04 Nov 2003 - 9:12am jbgupton



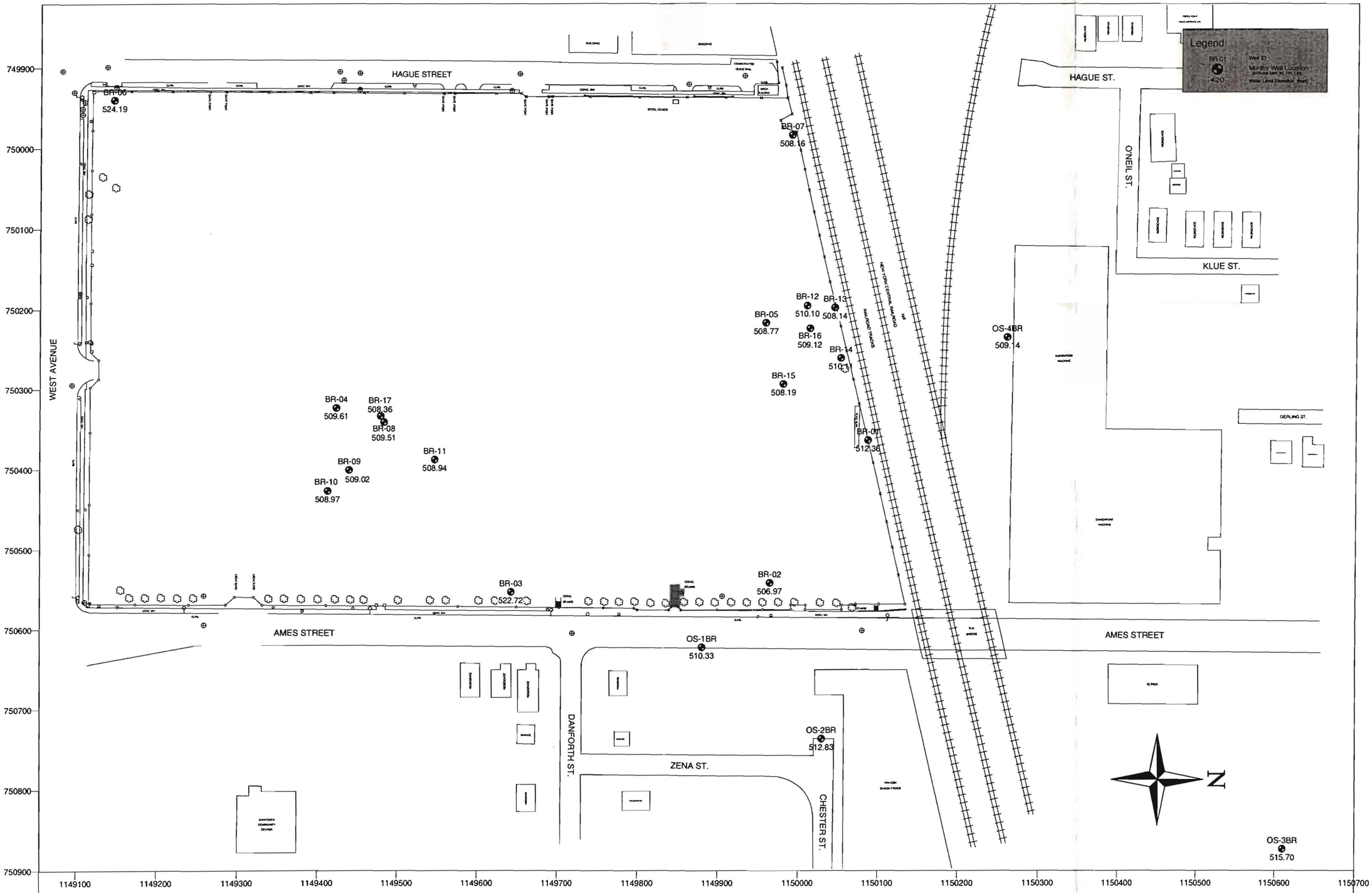
Note: Data for Monitor Wells OS-1OB, OS-2OB, OS-3OB, and OS-4OB were provided by Haley and Aldrich of New York. Data collected on September 16, 2003.

Prepared by: J Peevler on 10/24/03

Checked by: ML Barrentine on 10/28/03

FIGURE 4
OVERBURDEN POTENTIOMETRIC SURFACE MAP
QUARTERLY REPORT (SEPTEMBER 2003)
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

MACTEC Engineering and Consulting



Note: Data for Monitor Wells OS-1BR, OS-2BR, OS-3BR, and OS-4BR was provided by Haley and Aldrich of New York.
Data collected on September 16, 2003

Prepared by: J. Peevler on 10/27/2003

Checked by: L. Barrentine on 10/30/2003

FIGURE 5
BEDROCK GROUNDWATER ELEVATIONS
QUARTERLY REPORT (SEPTEMBER 2003)
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

MACTEC Engineering and Consulting

Figure 6
Average Groundwater Flowrates

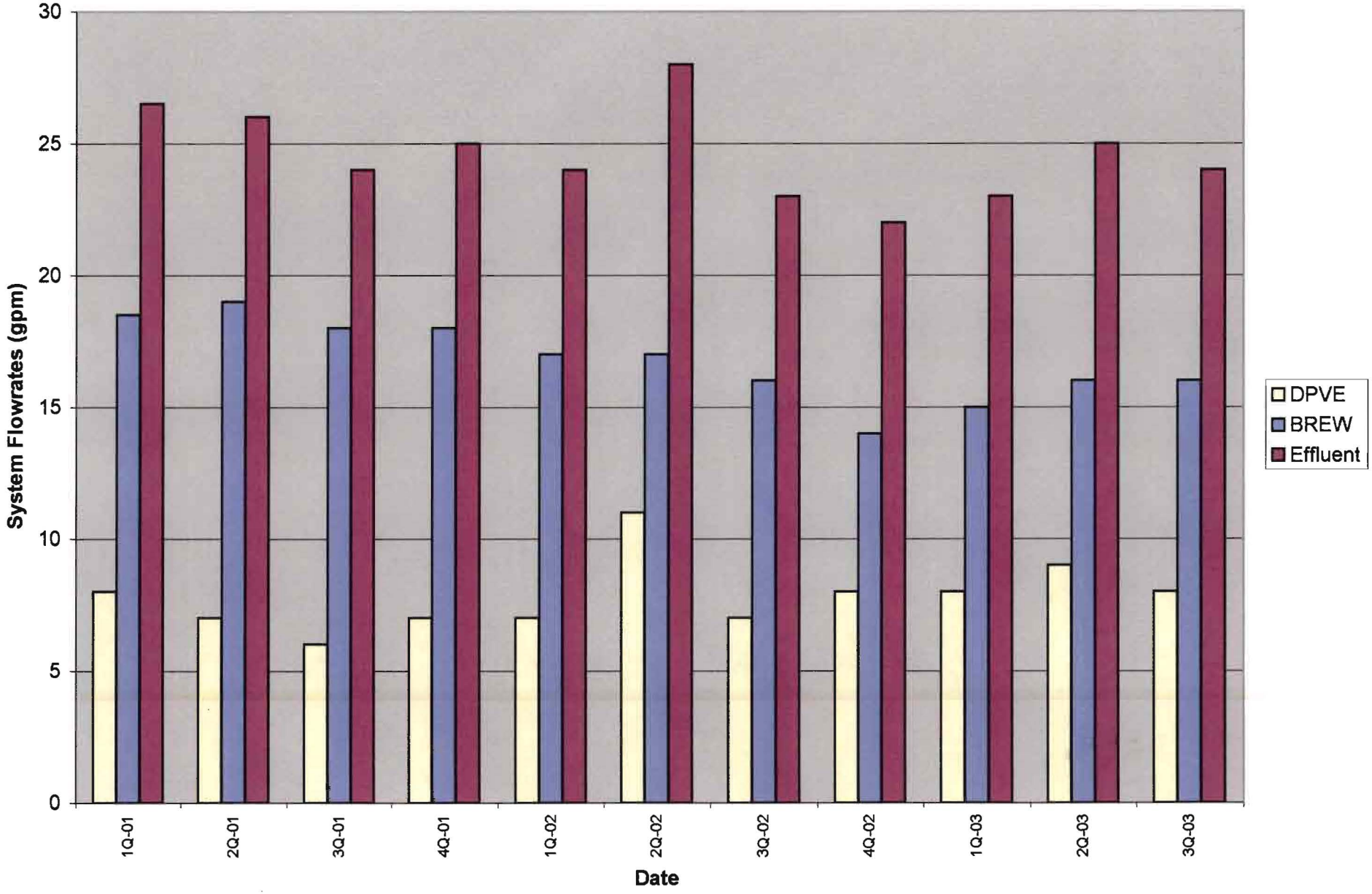


Figure 7
TCE Mass Removed

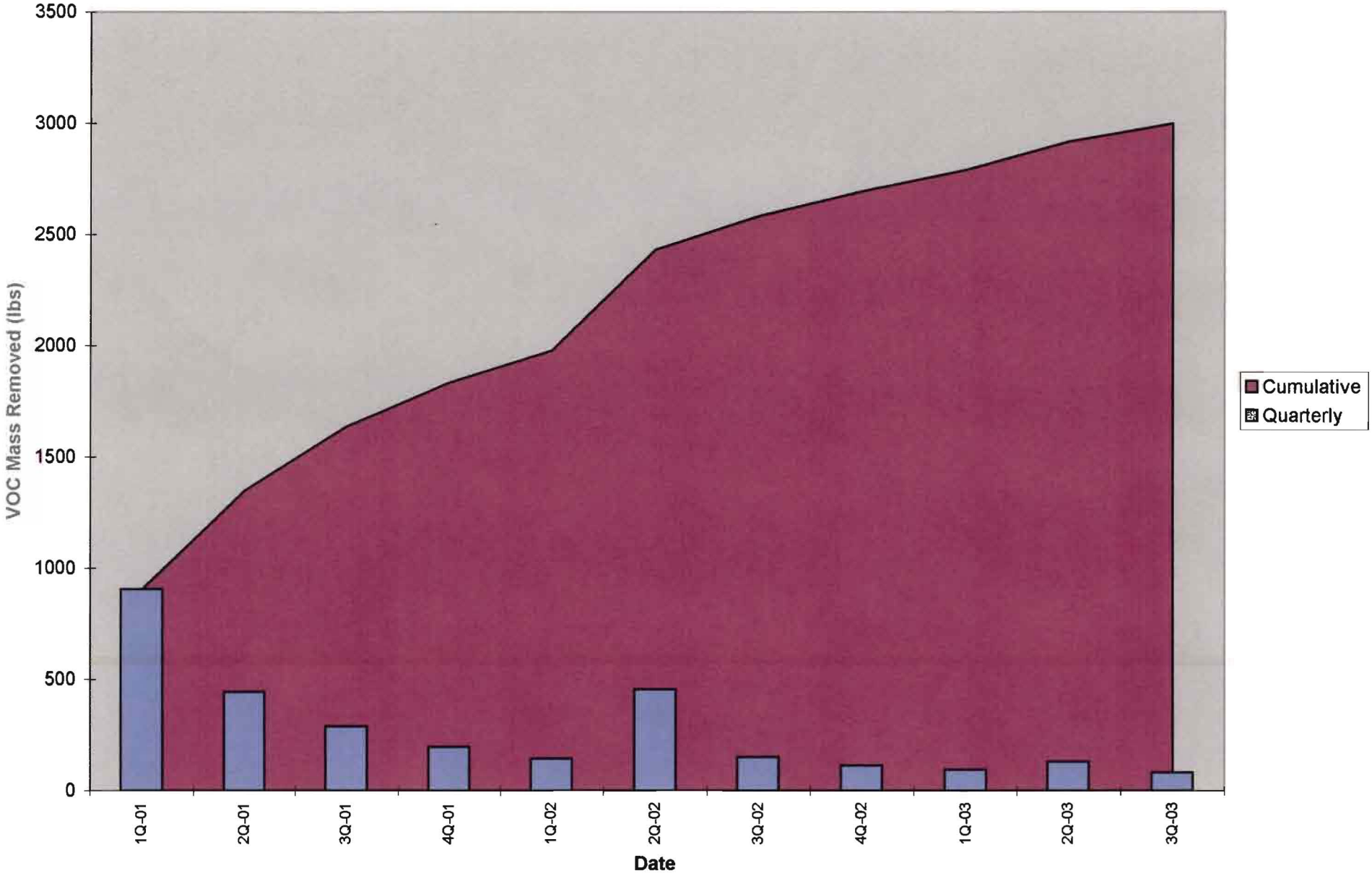


Figure 8
System TCE Effluent Vapor Results

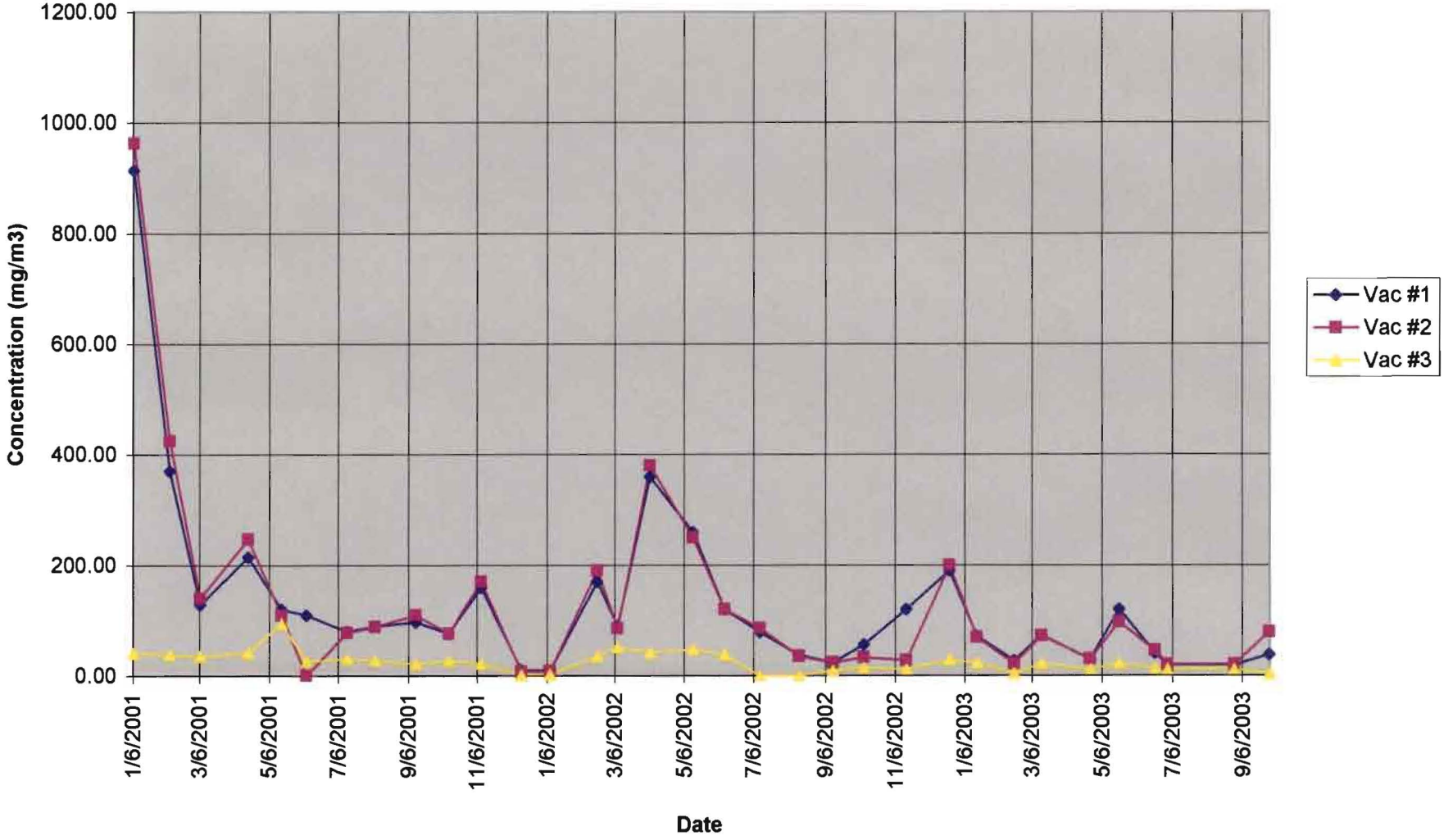
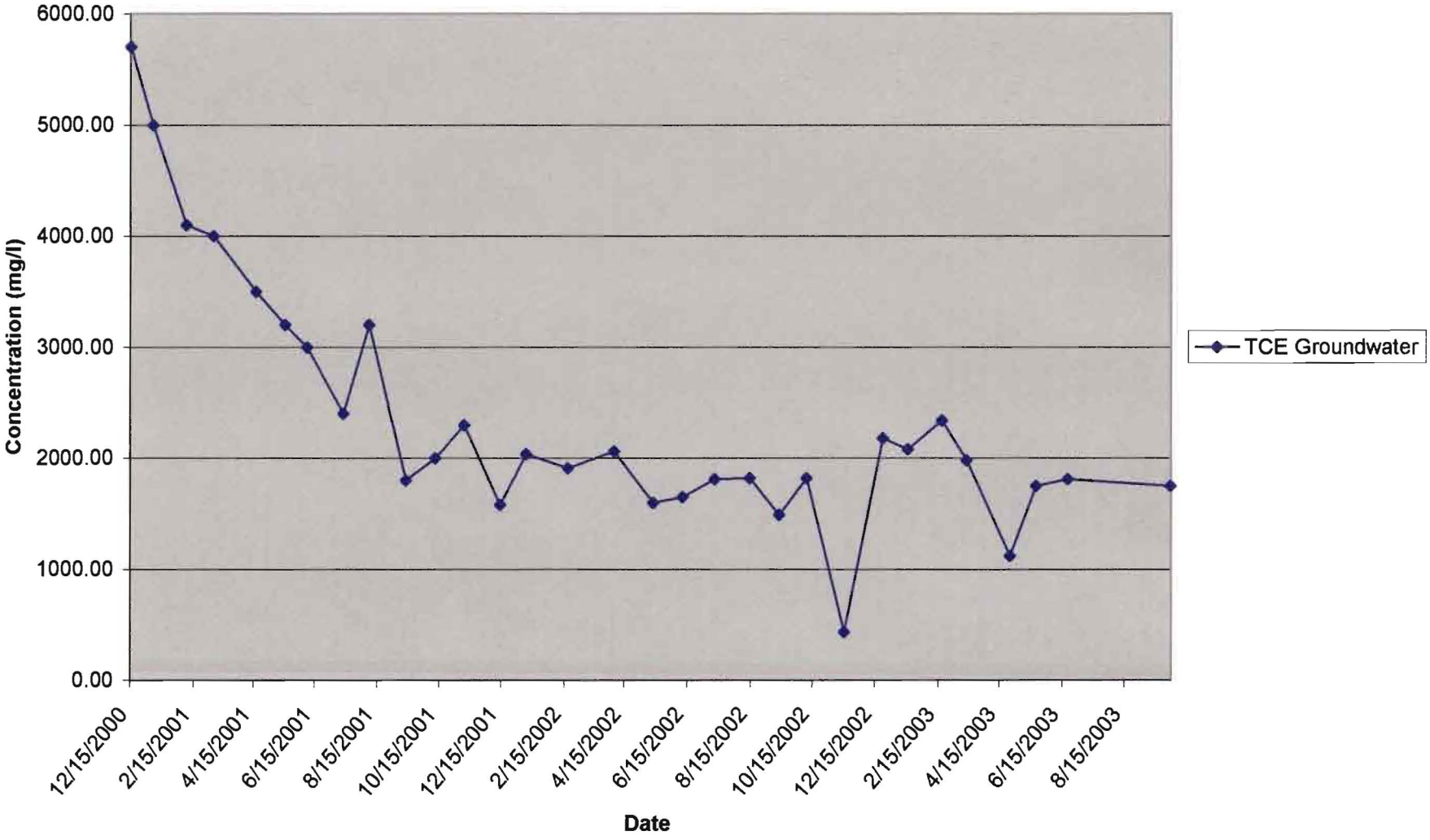


Figure 9
System TCE Influent Groundwater Results



APPENDIX B

LABORATORY REPORTS

September 16, 2003
Analytical Data

TestAmerica
AL TESTING CORPORATION

346980

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Mactec Client #: 4997
Address: 1431 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: 865.531.8226
Sampler Name: (Print Name) Janna Peerter
Sampler Signature:

Project Name: Former Taylor Instruments
Project #: 51870.5
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 121102.217.199 PO#: MEC0303005

TAT
X Standard
__ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOCs (8260)	Nitrate 353.2	Sulfate 375.4	Sulfide 376.1	ethane/ethene/methane RSK-175	TOC 415.1	Chloride 325.1	Alkalinity 310.1	Fe(II) 6010-FE	CO_2 4500B	REMARKS
QATB01 144382	9/16/03	000	G		GW		1						1										trip blank
QATB01 383	9/16/03	1005	G		GW		3						3										rinse blank
QAFB01 384	9/16/03	1015	G		GW		3						3										field blank
W-2 385	9/16/03	1359	G		GW						4								1	1		2	
TW-10A 386	9/16/03	1457	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	
TW-17 387	9/16/03	1619	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	

QC Deliverables
__ None
X Level 2 (Batch QC)
__ Level 3
__ Level 4
Other: _____

Special Instructions:

Relinquished By:	Date: 9/16/03	Time: 1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 9/17/03	Time: 800

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A144382
Sample ID: QATB01
Sample Type: Ground water
Site ID:

Date Collected: 9/16/03
Time Collected: 0:00
Date Received: 9/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/19/03	7:26	M.Himelick	8260B	5432
Benzene	ND	mg/l	0.0010	1	9/19/03	7:26	M.Himelick	8260B	5432
Bromobenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Bromochloromethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Bromoform	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Bromomethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
2-Butanone	ND	mg/l	0.0250	1	9/19/03	7:26	M.Himelick	8260B	5432
n-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
sec-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
t-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Carbon disulfide	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Carbon tetrachloride	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Chlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Chloroethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Chloroform	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Chloromethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
2-Chlorotoluene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
4-Chlorotoluene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/19/03	7:26	M.Himelick	8260B	5432
Dibromochloromethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Dibromomethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

Laboratory Number: 03-A144382
Sample ID: QATB01
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Ethylbenzene	ND	mg/l	0.0010	1	9/19/03	7:26	M.Himelick	8260B	5432
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
2-Hexanone	ND	mg/l	0.00500	1	9/19/03	7:26	M.Himelick	8260B	5432
Isopropylbenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/19/03	7:26	M.Himelick	8260B	5432
Methylene chloride	ND	mg/l	0.00250	1	9/19/03	7:26	M.Himelick	8260B	5432
Naphthalene	ND	mg/l	0.00500	1	9/19/03	7:26	M.Himelick	8260B	5432
n-Propylbenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Styrene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Tetrachloroethene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Toluene	ND	mg/l	0.0010	1	9/19/03	7:26	M.Himelick	8260B	5432
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Trichloroethene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/19/03	7:26	M.Himelick	8260B	5432
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Vinyl chloride	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432
Xylenes (Total)	ND	mg/l	0.0010	1	9/19/03	7:26	M.Himelick	8260B	5432
Bromodichloromethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A144382
Sample ID: QATB01
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/19/03	7:26	M.Himelick	8260B	5432

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	96.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A144383
Sample ID: QARB01
Sample Type: Ground water
Site ID:

Date Collected: 9/16/03
Time Collected: 10:05
Date Received: 9/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/19/03	7:55	M.Himelick	8260B	5432
Benzene	ND	mg/l	0.0010	1	9/19/03	7:55	M.Himelick	8260B	5432
Bromobenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Bromochloromethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Bromoform	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Bromomethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
2-Butanone	ND	mg/l	0.0250	1	9/19/03	7:55	M.Himelick	8260B	5432
n-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
sec-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
t-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Carbon disulfide	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Carbon tetrachloride	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Chlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Chloroethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Chloroform	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Chloromethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
2-Chlorotoluene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
4-Chlorotoluene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/19/03	7:55	M.Himelick	8260B	5432
Dibromochloromethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Dibromomethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A144383
Sample ID: QARB01
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Ethylbenzene	ND	mg/l	0.0010	1	9/19/03	7:55	M.Himelick	8260B	5432
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
2-Hexanone	ND	mg/l	0.00500	1	9/19/03	7:55	M.Himelick	8260B	5432
Isopropylbenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/19/03	7:55	M.Himelick	8260B	5432
Methylene chloride	ND	mg/l	0.00250	1	9/19/03	7:55	M.Himelick	8260B	5432
Naphthalene	ND	mg/l	0.00500	1	9/19/03	7:55	M.Himelick	8260B	5432
n-Propylbenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Styrene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Tetrachloroethene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Toluene	ND	mg/l	0.0010	1	9/19/03	7:55	M.Himelick	8260B	5432
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Trichloroethene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/19/03	7:55	M.Himelick	8260B	5432
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Vinyl chloride	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432
Xylenes (Total)	ND	mg/l	0.0010	1	9/19/03	7:55	M.Himelick	8260B	5432
Bromodichloromethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A144383
Sample ID: QARB01
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/19/03	7:55	M.Himelick	8260B	5432

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	96.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A144384
Sample ID: QAFB01
Sample Type: Ground water
Site ID:

Date Collected: 9/16/03
Time Collected: 10:15
Date Received: 9/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/19/03	8:23	M.Himelick	8260B	5432
Benzene	ND	mg/l	0.0010	1	9/19/03	8:23	M.Himelick	8260B	5432
Bromobenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Bromochloromethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Bromoform	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Bromomethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
2-Butanone	ND	mg/l	0.0250	1	9/19/03	8:23	M.Himelick	8260B	5432
n-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
sec-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
t-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Carbon disulfide	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Carbon tetrachloride	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Chlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Chloroethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Chloroform	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Chloromethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
2-Chlorotoluene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
4-Chlorotoluene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/19/03	8:23	M.Himelick	8260B	5432
Dibromochloromethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Dibromomethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A144384
Sample ID: QAFB01
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Ethylbenzene	ND	mg/l	0.0010	1	9/19/03	8:23	M.Himelick	8260B	5432
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
2-Hexanone	ND	mg/l	0.00500	1	9/19/03	8:23	M.Himelick	8260B	5432
Isopropylbenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/19/03	8:23	M.Himelick	8260B	5432
Methylene chloride	ND	mg/l	0.00250	1	9/19/03	8:23	M.Himelick	8260B	5432
Naphthalene	ND	mg/l	0.00500	1	9/19/03	8:23	M.Himelick	8260B	5432
n-Propylbenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Styrene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Tetrachloroethene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Toluene	ND	mg/l	0.0010	1	9/19/03	8:23	M.Himelick	8260B	5432
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Trichloroethene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/19/03	8:23	M.Himelick	8260B	5432
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Vinyl chloride	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432
Xylenes (Total)	ND	mg/l	0.0010	1	9/19/03	8:23	M.Himelick	8260B	5432
Bromodichloromethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A144384
Sample ID: QAFB01
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/19/03	8:23	M.Himelick	8260B	5432

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	92.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	93.	71. - 132.
VOA Surr, DBFM	97.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A144385
Sample ID: W-2
Sample Type: Ground water
Site ID:

Date Collected: 9/16/03
Time Collected: 13:59
Date Received: 9/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS GC PARAMETERS									
Carbon Dioxide	ND	mg/l	3.0	1	9/18/03	1:00	T. Beverly	SM4500CO2C	3919
MISCELLANEOUS CHEMISTRY									
Alkalinity as CaCO3	212.	mg/l	5.00	1	9/17/03	16:10	J. Staten	310.1	2543
Chloride	7.83	mg/l	1.00	1	9/17/03	13:46	S. Duncan	325.2	2571

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A144386
Sample ID: TW-04
Sample Type: Ground water
Site ID:

Date Collected: 9/16/03
Time Collected: 14:57
Date Received: 9/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/19/03	8:51	M.Himelick	8260B	5432
Benzene	ND	mg/l	0.0010	1	9/19/03	8:51	M.Himelick	8260B	5432
Bromobenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Bromochloromethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Bromoform	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Bromomethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
2-Butanone	ND	mg/l	0.0250	1	9/19/03	8:51	M.Himelick	8260B	5432
n-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
sec-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
t-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Carbon disulfide	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Carbon tetrachloride	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Chlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Chloroethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Chloroform	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Chloromethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
2-Chlorotoluene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
4-Chlorotoluene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/19/03	8:51	M.Himelick	8260B	5432
Dibromochloromethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Dibromomethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A144386
Sample ID: TW-04
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
cis-1,2-Dichloroethene	0.00310	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Ethylbenzene	ND	mg/l	0.0010	1	9/19/03	8:51	M.Himelick	8260B	5432
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
2-Hexanone	ND	mg/l	0.00500	1	9/19/03	8:51	M.Himelick	8260B	5432
Isopropylbenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/19/03	8:51	M.Himelick	8260B	5432
Methylene chloride	ND	mg/l	0.00250	1	9/19/03	8:51	M.Himelick	8260B	5432
Naphthalene	ND	mg/l	0.00500	1	9/19/03	8:51	M.Himelick	8260B	5432
n-Propylbenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Styrene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Tetrachloroethene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Toluene	ND	mg/l	0.0010	1	9/19/03	8:51	M.Himelick	8260B	5432
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Trichloroethene	0.0292	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/19/03	8:51	M.Himelick	8260B	5432
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Vinyl chloride	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
Xylenes (Total)	ND	mg/l	0.0010	1	9/19/03	8:51	M.Himelick	8260B	5432
Bromodichloromethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A144386
Sample ID: TW-04
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/19/03	8:51	M.Himelick	8260B	5432
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	9/19/03	13:34	K. Roberso	RSK175M	4502
Carbon Dioxide	ND	mg/l	3.0	1	9/18/03	1:00	T. Beverly	SM4500CO2C	3919
Ethene	ND	mg/L	0.026	1	9/19/03	13:34	K. Roberso	RSK175M	4502
Ethane	ND	mg/L	0.026	1	9/19/03	13:34	K. Roberso	RSK175M	4502
METALS									
Iron	1.01	mg/l	0.0500	1	9/19/03	16:16	C.Johnson	6010B	4463
Ferrous Iron	0.852	mg/l	0.100	1	9/17/03	14:14	S. Duncan	3500D	2535
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.120	mg/l	0.100	1	9/17/03	12:32	S. Duncan	353.2	2568
Sulfate	269.	mg/l	10.0	10	9/20/03	10:33	M.Shockley	375.4	5673
Alkalinity as CaCO3	247.	mg/l	5.00	1	9/17/03	16:10	J. Staten	310.1	2543
Total Organic Carbon	ND	mg/l	1.00	1	9/19/03	12:57	M.Checolle	415.1	4913
Sulfide	ND	mg/l	1.000	1	9/19/03	14:30	B. Yanna	376.1	5166
Chloride	12.1	mg/l	1.00	1	9/17/03	13:48	S. Duncan	325.2	2571

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	91.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	94.	71. - 132.
VOA Surr, DBFM	95.	74. - 128.

Sample report continued . . .

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A144387
Sample ID: TW-17
Sample Type: Ground water
Site ID:

Date Collected: 9/16/03
Time Collected: 16:19
Date Received: 9/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/19/03	22:13	M.Himelick	8260B	6429
Benzene	ND	mg/l	0.0010	1	9/19/03	22:13	M.Himelick	8260B	6429
Bromobenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Bromochloromethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Bromoform	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Bromomethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
2-Butanone	ND	mg/l	0.0250	1	9/19/03	22:13	M.Himelick	8260B	6429
n-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
sec-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
t-Butylbenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Carbon disulfide	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Carbon tetrachloride	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Chlorobenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Chloroethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Chloroform	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Chloromethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
2-Chlorotoluene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
4-Chlorotoluene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/19/03	22:13	M.Himelick	8260B	6429
Dibromochloromethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Dibromomethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A144387
Sample ID: TW-17
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Ethylbenzene	ND	mg/l	0.0010	1	9/19/03	22:13	M.Himelick	8260B	6429
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
2-Hexanone	ND	mg/l	0.00500	1	9/19/03	22:13	M.Himelick	8260B	6429
Isopropylbenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/19/03	22:13	M.Himelick	8260B	6429
Methylene chloride	ND	mg/l	0.00250	1	9/19/03	22:13	M.Himelick	8260B	6429
Naphthalene	ND	mg/l	0.00500	1	9/19/03	22:13	M.Himelick	8260B	6429
n-Propylbenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Styrene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Tetrachloroethene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Toluene	ND	mg/l	0.0010	1	9/19/03	22:13	M.Himelick	8260B	6429
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Trichloroethene	0.435	mg/l	0.0100	10	9/20/03	17:16	M.Himelick	8260B	6433
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/19/03	22:13	M.Himelick	8260B	6429
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Vinyl chloride	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
Xylenes (Total)	ND	mg/l	0.0010	1	9/19/03	22:13	M.Himelick	8260B	6429
Bromodichloromethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A144387
Sample ID: TW-17
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/19/03	22:13	M.Himelick	8260B	6429
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	9/19/03	13:37	K. Roberso	RSK175M	4502
Carbon Dioxide	21.7	mg/l	3.0	1	9/18/03	1:00	T. Beverly	SM4500CO2C	3919
Ethene	ND	mg/L	0.026	1	9/19/03	13:37	K. Roberso	RSK175M	4502
Ethane	ND	mg/L	0.026	1	9/19/03	13:37	K. Roberso	RSK175M	4502
METALS									
Iron	1.21	mg/l	0.0500	1	9/19/03	16:16	C.Johnson	6010B	4463
Ferrous Iron	1.20	mg/l	0.100	1	9/17/03	14:14	S. Duncan	3500D	2535
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1	9/17/03	12:33	S. Duncan	353.2	2568
Sulfate	107.	mg/l	5.00	5	9/20/03	10:33	M.Shockley	375.4	5673
Alkalinity as CaCO3	352.	mg/l	5.00	1	9/17/03	16:10	J. Staten	310.1	2543
Total Organic Carbon	ND	mg/l	1.00	1	9/19/03	12:57	M.Checolle	415.1	4913
Sulfide	ND	mg/l	1.000	1	9/19/03	14:30	B. Yanna	376.1	5166
Chloride	16.3	mg/l	1.00	1	9/17/03	13:48	S. Duncan	325.2	2571

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	110.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	105.	71. - 132.
VOA Surr, DBFM	106.	74. - 128.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A144387
Sample ID: TW-17
Project: 51870.9

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
Sample for Ferrous Iron analysis received outside method prescribed holding time.

End of Sample Report.

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ANALYTICAL REPORT

Laboratory Number: 03-A144386
Sample ID: TW-04
Project: 51870.9

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
Sample for Ferrous Iron analysis received outside method prescribed holding time.

End of Sample Report.

September 17, 2003
Analytical Data

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

347196

Client Name: Mactec Client #: 4997
Address: 1431 Center Point Blvd Suite 150
State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax:
Sampler Name: (Print Name) Janna Peeler
Sampler Signature: Janna Peeler

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 121102.217.159 PO#: MEC030300LS

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other
Preservation & # of Containers: HNO_3, HCl, NaOH, H_2SO_4, Methanol, None, Other (Specify)
Analyze For: VOCs (8260); Nitrate 353.2; Sulfate 375.4; Sulfide 376.1; Ethane/ethene/methane 8015M; TOC 415.1; Chloride 325.1; Alkalinity 310.1; Fe (II) 6010 Fe; CO_2 4500B

QC Deliverables: ___ None; X Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	VOCs (8260)	Nitrate 353.2	Sulfate 375.4	Sulfide 376.1	Ethane/ethene/methane 8015M	TOC 415.1	Chloride 325.1	Alkalinity 310.1	Fe (II) 6010 Fe	CO_2 4500B	REMARKS
TW-20	9/17/03	838	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	145236
TW-07	9/17/03	918	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	237
TW-09	9/17/03	1100	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	238
OB-09	9/17/03	1252	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	239
OB-07	9/17/03	1455	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	240
OB-07 (MS)	9/17/03	1504	G		GW		3						3							240			matrix spike
OB-07 (MSD)	9/17/03	1504	G		GW		3						3										matrix sp. dup.

Special Instructions:

Relinquished By: Janna Peeler	Date: 9/17/03	Time: 1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 9/18/03	Time: 0900

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

TestAmerica
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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145236
Sample ID: TW-20
Sample Type: Ground water
Site ID:

Date Collected: 9/17/03
Time Collected: 8:38
Date Received: 9/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/22/03	14:32	M.Himelick	8260B	9494
Benzene	ND	mg/l	0.0010	1	9/22/03	14:32	M.Himelick	8260B	9494
Bromobenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Bromochloromethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Bromoform	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Bromomethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
2-Butanone	ND	mg/l	0.0250	1	9/22/03	14:32	M.Himelick	8260B	9494
n-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
sec-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
t-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Carbon disulfide	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Carbon tetrachloride	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Chlorobenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Chloroethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Chloroform	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Chloromethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
2-Chlorotoluene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
4-Chlorotoluene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/22/03	14:32	M.Himelick	8260B	9494
Dibromochloromethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Dibromomethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494

ample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145236
Sample ID: TW-20
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Ethylbenzene	ND	mg/l	0.0010	1	9/22/03	14:32	M.Himelick	8260B	9494
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
2-Hexanone	ND	mg/l	0.00500	1	9/22/03	14:32	M.Himelick	8260B	9494
Isopropylbenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/22/03	14:32	M.Himelick	8260B	9494
Methylene chloride	ND	mg/l	0.00250	1	9/22/03	14:32	M.Himelick	8260B	9494
Naphthalene	ND	mg/l	0.00500	1	9/22/03	14:32	M.Himelick	8260B	9494
n-Propylbenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Styrene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Tetrachloroethene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Toluene	ND	mg/l	0.0010	1	9/22/03	14:32	M.Himelick	8260B	9494
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Trichloroethene	0.00500	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/22/03	14:32	M.Himelick	8260B	9494
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Vinyl chloride	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
Xylenes (Total)	ND	mg/l	0.0010	1	9/22/03	14:32	M.Himelick	8260B	9494
Bromodichloromethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494

Sample report continued . . .

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ANALYTICAL TESTING CORPORATION

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ANALYTICAL REPORT

Laboratory Number: 03-A145236
Sample ID: TW-20
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/22/03	14:32	M.Himelick	8260B	9494
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	9/22/03	12:40	M. Cauthen	8015M	4470
Carbon Dioxide	37.7	mg/l	3.0	1	9/18/03	1:00	T. Beverly	SM4500CO2C	3919
Ethene	ND	mg/L	0.026	1	9/22/03	12:40	M. Cauthen	8015M	4470
Ethane	ND	mg/L	0.026	1	9/22/03	12:40	M. Cauthen	8015M	4470
METALS									
Ferrous Iron	ND	mg/l	0.100	1	9/18/03	15:37	S. Duncan	3500D	3704
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	1.01	mg/l	0.100	1	9/18/03	19:49	W. Choate	353.2	4323
Sulfate	70.5	mg/l	5.00	5	9/22/03	9:48	M.Shockley	375.4	6582
Alkalinity as CaCO3	363.	mg/l	5.00	1	9/19/03	15:22	J. Hill	310.1	3712
Total Organic Carbon	ND	mg/l	1.00	1	9/19/03	23:46	M.Checolle	415.1	5122
Sulfide	ND	mg/l	1.000	1	9/19/03	14:30	B. Yanna	376.1	5166
Chloride	16.9	mg/l	1.00	1	9/18/03	22:00	W. Choate	325.2	4075

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	119.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	102.	71. - 132.
VOA Surr, DBFM	113.	74. - 128.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145236
Sample ID: TW-20
Project: 51870.9

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
Sample for Ferrous Iron analysis received outside method prescribed holding time.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145237
Sample ID: TW-07
Sample Type: Ground water
Site ID:

Date Collected: 9/17/03
Time Collected: 9:48
Date Received: 9/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/22/03	15:00	M.Himelick	8260B	9494
Benzene	ND	mg/l	0.0010	1	9/22/03	15:00	M.Himelick	8260B	9494
Bromobenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Bromochloromethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Bromoform	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Bromomethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
2-Butanone	ND	mg/l	0.0250	1	9/22/03	15:00	M.Himelick	8260B	9494
n-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
sec-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
tert-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Carbon disulfide	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Carbon tetrachloride	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Chlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Chloroethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Chloroform	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Chloromethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
2-Chlorotoluene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
4-Chlorotoluene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/22/03	15:00	M.Himelick	8260B	9494
Dibromochloromethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Dibromomethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494

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ANALYTICAL REPORT

Laboratory Number: 03-A145237
Sample ID: TW-07
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
cis-1,2-Dichloroethene	0.00380	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
trans-1,2-Dichloroethene	0.00980	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Ethylbenzene	ND	mg/l	0.0010	1	9/22/03	15:00	M.Himelick	8260B	9494
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
2-Hexanone	ND	mg/l	0.00500	1	9/22/03	15:00	M.Himelick	8260B	9494
Isopropylbenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/22/03	15:00	M.Himelick	8260B	9494
Methylene chloride	ND	mg/l	0.00250	1	9/22/03	15:00	M.Himelick	8260B	9494
Naphthalene	ND	mg/l	0.00500	1	9/22/03	15:00	M.Himelick	8260B	9494
n-Propylbenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Styrene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Tetrachloroethene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Toluene	ND	mg/l	0.0010	1	9/22/03	15:00	M.Himelick	8260B	9494
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Trichloroethene	0.0206	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/22/03	15:00	M.Himelick	8260B	9494
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Vinyl chloride	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
Xylenes (Total)	ND	mg/l	0.0010	1	9/22/03	15:00	M.Himelick	8260B	9494
Bromodichloromethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494

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ANALYTICAL REPORT

Laboratory Number: 03-A145237
Sample ID: TW-07
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/22/03	15:00	M.Himelick	8260B	9494
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	9/22/03	12:43	M. Cauthen	RSK175M	4470
Carbon Dioxide	84.2	mg/l	3.0	1	9/18/03	1:00	T. Beverly	SM4500CO2C	3919
Ethene	ND	mg/L	0.026	1	9/22/03	12:43	M. Cauthen	RSK175M	4470
Ethane	ND	mg/L	0.026	1	9/22/03	12:43	M. Cauthen	RSK175M	4470
METALS									
Ferrous Iron	ND	mg/l	0.100	1	9/18/03	15:37	S. Duncan	3500D	3704
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	29.3	mg/l	0.500	5	9/18/03	20:01	W. Choate	353.2	4323
Sulfate	354.	mg/l	20.0	20	9/22/03	9:48	M.Shockley	375.4	6582
Alkalinity as CaCO3	360.	mg/l	5.00	1	9/19/03	15:22	J. Hill	310.1	3712
Total Organic Carbon	1.67	mg/l	1.00	1	9/19/03	23:46	M.Checolle	415.1	5122
Sulfide	ND	mg/l	1.000	1	9/19/03	14:30	B. Yanna	376.1	5166
Chloride	29.4	mg/l	2.00	2	9/18/03	22:43	W. Choate	325.2	4075

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	118.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	113.	74. - 128.

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ANALYTICAL REPORT

Laboratory Number: 03-A145237
Sample ID: TW-07
Project: 51870.9

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
Sample for Ferrous Iron analysis received outside method prescribed holding time.
Sample id corrected (coc unclear)

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145238
Sample ID: TW-09
Sample Type: Ground water
Site ID:

Date Collected: 9/17/03
Time Collected: 11:00
Date Received: 9/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/22/03	15:29	M.Himelick	8260B	9494
Benzene	ND	mg/l	0.0010	1	9/22/03	15:29	M.Himelick	8260B	9494
Bromobenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Bromochloromethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Bromoform	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Bromomethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
2-Butanone	ND	mg/l	0.0250	1	9/22/03	15:29	M.Himelick	8260B	9494
n-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
sec-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
t-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Carbon disulfide	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Carbon tetrachloride	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Chlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Chloroethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Chloroform	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Chloromethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
2-Chlorotoluene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
4-Chlorotoluene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/22/03	15:29	M.Himelick	8260B	9494
Dibromochloromethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Dibromomethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494

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ANALYTICAL REPORT

Laboratory Number: 03-A145238
Sample ID: TW-09
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
cis-1,2-Dichloroethene	0.00640	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Ethylbenzene	ND	mg/l	0.0010	1	9/22/03	15:29	M.Himelick	8260B	9494
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
2-Hexanone	ND	mg/l	0.00500	1	9/22/03	15:29	M.Himelick	8260B	9494
Isopropylbenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/22/03	15:29	M.Himelick	8260B	9494
Methylene chloride	ND	mg/l	0.00250	1	9/22/03	15:29	M.Himelick	8260B	9494
Naphthalene	ND	mg/l	0.00500	1	9/22/03	15:29	M.Himelick	8260B	9494
n-Propylbenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Styrene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Tetrachloroethene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Toluene	ND	mg/l	0.0010	1	9/22/03	15:29	M.Himelick	8260B	9494
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Trichloroethene	0.0770	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/22/03	15:29	M.Himelick	8260B	9494
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Vinyl chloride	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
Xylenes (Total)	ND	mg/l	0.0010	1	9/22/03	15:29	M.Himelick	8260B	9494
Bromodichloromethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494

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ANALYTICAL REPORT

Laboratory Number: 03-A145238
Sample ID: TW-09
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/22/03	15:29	M.Himelick	8260B	9494
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	9/22/03	12:47	M. Cauthen	8015M	4470
Carbon Dioxide	21.7	mg/l	3.0	1	9/18/03	1:00	T. Beverly	SM4500CO2C	3919
Ethene	ND	mg/L	0.026	1	9/22/03	12:47	M. Cauthen	8015M	4470
Ethane	ND	mg/L	0.026	1	9/22/03	12:47	M. Cauthen	8015M	4470
METALS									
Ferrous Iron	ND	mg/l	0.100	1	9/18/03	15:37	S. Duncan	3500D	3704
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.290	mg/l	0.100	1	9/18/03	19:50	W. Choate	353.2	4323
Sulfate	185.	mg/l	10.0	10	9/22/03	9:48	M.Shockley	375.4	6582
Alkalinity as CaCO3	195.	mg/l	5.00	1	9/19/03	15:22	J. Hill	310.1	3712
Total Organic Carbon	ND	mg/l	1.00	1	9/19/03	23:46	M.Checolle	415.1	5122
Sulfide	ND	mg/l	1.000	1	9/19/03	14:30	B. Yanna	376.1	5166
Chloride	3.70	mg/l	1.00	1	9/18/03	22:01	W. Choate	325.2	4075

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	119.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	114.	74. - 128.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145238
Sample ID: TW-09
Project: 51870.9

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
Sample for Ferrous Iron analysis received outside method prescribed holding time.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145239
Sample ID: OB-09
Sample Type: Ground water
Site ID:

Date Collected: 9/17/03
Time Collected: 13:52
Date Received: 9/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/22/03	15:57	M.Himelick	8260B	9494
Benzene	ND	mg/l	0.0010	1	9/22/03	15:57	M.Himelick	8260B	9494
Bromobenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Bromochloromethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Bromoform	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Bromomethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
2-Butanone	ND	mg/l	0.0250	1	9/22/03	15:57	M.Himelick	8260B	9494
n-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
sec-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
t-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Carbon disulfide	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Carbon tetrachloride	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Chlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Chloroethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Chloroform	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Chloromethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
2-Chlorotoluene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
4-Chlorotoluene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/22/03	15:57	M.Himelick	8260B	9494
Dibromochloromethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Dibromomethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145239
Sample ID: OB-09
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
cis-1,2-Dichloroethene	0.0103	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Ethylbenzene	ND	mg/l	0.0010	1	9/22/03	15:57	M.Himelick	8260B	9494
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
2-Hexanone	ND	mg/l	0.00500	1	9/22/03	15:57	M.Himelick	8260B	9494
Isopropylbenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/22/03	15:57	M.Himelick	8260B	9494
Methylene chloride	ND	mg/l	0.00250	1	9/22/03	15:57	M.Himelick	8260B	9494
Naphthalene	ND	mg/l	0.00500	1	9/22/03	15:57	M.Himelick	8260B	9494
n-Propylbenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Styrene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Tetrachloroethene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Toluene	ND	mg/l	0.0010	1	9/22/03	15:57	M.Himelick	8260B	9494
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Trichloroethene	0.0959	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/22/03	15:57	M.Himelick	8260B	9494
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Vinyl chloride	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
Xylenes (Total)	ND	mg/l	0.0010	1	9/22/03	15:57	M.Himelick	8260B	9494
Bromodichloromethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145239
Sample ID: OB-09
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/22/03	15:57	M.Himelick	8260B	9494
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	9/22/03	12:50	M. Cauthen	8015M	4470
Carbon Dioxide	40.6	mg/l	3.0	1	9/18/03	1:00	T. Beverly	SM4500CO2C	3919
Ethene	ND	mg/L	0.026	1	9/22/03	12:50	M. Cauthen	8015M	4470
Ethane	ND	mg/L	0.026	1	9/22/03	12:50	M. Cauthen	8015M	4470
METALS									
Ferrous Iron	0.148	mg/l	0.100	1	9/18/03	15:37	S. Duncan	3500D	3704
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	1.06	mg/l	0.100	1	9/18/03	19:51	W. Choate	353.2	4323
Sulfate	261.	mg/l	10.0	10	9/22/03	9:48	M.Shockley	375.4	6582
Alkalinity as CaCO3	230.	mg/l	5.00	1	9/19/03	15:22	J. Hill	310.1	3712
Total Organic Carbon	ND	mg/l	1.00	1	9/19/03	23:46	M.Checolle	415.1	5122
Sulfide	ND	mg/l	1.000	1	9/19/03	14:30	B. Yanna	376.1	5166
Chloride	8.19	mg/l	1.00	1	9/18/03	22:01	W. Choate	325.2	4075

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	119.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	114.	74. - 128.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145239
Sample ID: OB-09
Project: 51870.9

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
Sample for Ferrous Iron analysis received outside method prescribed holding time.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145240
Sample ID: OB-07
Sample Type: Ground water
Site ID:

Date Collected: 9/17/03
Time Collected: 14:55
Date Received: 9/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/22/03	16:25	M.Himelick	8260B	9494
Benzene	ND	mg/l	0.0010	1	9/22/03	16:25	M.Himelick	8260B	9494
Bromobenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Bromochloromethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Bromoform	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Bromomethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
2-Butanone	ND	mg/l	0.0250	1	9/22/03	16:25	M.Himelick	8260B	9494
n-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
sec-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
t-Butylbenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Carbon disulfide	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Carbon tetrachloride	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Chlorobenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Chloroethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Chloroform	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Chloromethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
2-Chlorotoluene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
4-Chlorotoluene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/22/03	16:25	M.Himelick	8260B	9494
Dibromochloromethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Dibromomethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145240
Sample ID: OB-07
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Ethylbenzene	ND	mg/l	0.0010	1	9/22/03	16:25	M.Himelick	8260B	9494
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
2-Hexanone	ND	mg/l	0.00500	1	9/22/03	16:25	M.Himelick	8260B	9494
Isopropylbenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/22/03	16:25	M.Himelick	8260B	9494
Methylene chloride	ND	mg/l	0.00250	1	9/22/03	16:25	M.Himelick	8260B	9494
Naphthalene	ND	mg/l	0.00500	1	9/22/03	16:25	M.Himelick	8260B	9494
n-Propylbenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Styrene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Tetrachloroethene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Toluene	ND	mg/l	0.0010	1	9/22/03	16:25	M.Himelick	8260B	9494
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Trichloroethene	0.0112	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/22/03	16:25	M.Himelick	8260B	9494
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Vinyl chloride	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
Xylenes (Total)	ND	mg/l	0.0010	1	9/22/03	16:25	M.Himelick	8260B	9494
Bromodichloromethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145240
Sample ID: OB-07
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/22/03	16:25	M.Himelick	8260B	9494
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	9/22/03	12:54	M. Cauthen	8015M	4470
Carbon Dioxide	17.4	mg/l	3.0	1	9/18/03	1:00	T. Beverly	SM4500CO2C	3919
Ethene	ND	mg/L	0.026	1	9/22/03	12:54	M. Cauthen	8015M	4470
Ethane	ND	mg/L	0.026	1	9/22/03	12:54	M. Cauthen	8015M	4470
METALS									
Ferrous Iron	0.119	mg/l	0.100	1	9/18/03	15:37	S. Duncan	3500D	3704
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	10.8	mg/l	0.100	1	9/18/03	19:51	W. Choate	353.2	4323
Sulfate	548.	mg/l	20.0	20	9/22/03	9:48	M.Shockley	375.4	6582
Alkalinity as CaCO3	161.	mg/l	5.00	1	9/19/03	15:22	J. Hill	310.1	3712
Total Organic Carbon	3.60	mg/l	1.00	1	9/19/03	23:46	M.Checolle	415.1	5122
Sulfide	ND	mg/l	1.000	1	9/19/03	14:30	B. Yanna	376.1	5166
Chloride	78.0	mg/l	5.00	5	9/18/03	22:43	W. Choate	325.2	4075

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	121.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	114.	74. - 128.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145240
Sample ID: OB-07
Project: 51870.9

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
Sample for Ferrous Iron analysis received outside method prescribed holding time.

End of Sample Report.

September 18, 2003
Analytical Data

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204
Phone: 615-726-0177
Fax: 615-726-3404

347319

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Mactec Client #: 4997
Address: 1421 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: 865.531.8226
Sampler Name: (Print Name) Janna Peevler
Sampler Signature:

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 12102.27.19 PO#: MEC0303015

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other
Preservation & # of Containers: HNO_3, HCl, NaOH, H_2SO_4, Methanol, None, Other (Specify)
Analyze For: Vocs (8260), nitrate 353.2, Sulfat 375.4, Sulfide 376.1, ethane/ethene/methane 8015M, TOC 415.1, Chloride 325.1, Alkalinity 310.1, Fe(II) 6010B, CO_2 4500

QC Deliverables
___ None
X Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Vocs (8260)	nitrate 353.2	Sulfat 375.4	Sulfide 376.1	ethane/ethene/methane 8015M	TOC 415.1	Chloride 325.1	Alkalinity 310.1	Fe(II) 6010B	CO_2 4500	REMARKS
W-5	9/18/03	911	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	14878
W-5 (dup)	9/18/03	927	G		GW		3						3										9
OB-06	9/18/03	1113	G		GW		3						3										80
BR-08	9/18/03	1310	G		GW		3						3										1
BR-17	9/18/03	1445	G		GW		3						3										2
BR-03	9/18/03	1510	G		GW		3						3										14883

Special Instructions:

Relinquished By:	Date: 9/18/03	Time: 1827	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 9/19/03	Time: 0805

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 4.0
Custody Seals: 0 N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145878
Sample ID: W-5
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 9/18/03
Time Collected: 9:11
Date Received: 9/19/03
Time Received: 8:05
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/24/03	22:00	M.Himelick	8260B	5113
Benzene	ND	mg/l	0.0010	1	9/24/03	22:00	M.Himelick	8260B	5113
Bromobenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Bromochloromethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Bromoform	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Bromomethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
2-Butanone	ND	mg/l	0.0250	1	9/24/03	22:00	M.Himelick	8260B	5113
n-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
sec-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
t-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Carbon disulfide	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Carbon tetrachloride	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Chlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Chloroethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Chloroform	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Chloromethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
2-Chlorotoluene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
4-Chlorotoluene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/24/03	22:00	M.Himelick	8260B	5113
Dibromochloromethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Dibromomethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145878
Sample ID: W-5
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
cis-1,2-Dichloroethene	0.129	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
trans-1,2-Dichloroethene	0.00400	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Ethylbenzene	ND	mg/l	0.0010	1	9/24/03	22:00	M.Himelick	8260B	5113
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
2-Hexanone	ND	mg/l	0.00500	1	9/24/03	22:00	M.Himelick	8260B	5113
Isopropylbenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/24/03	22:00	M.Himelick	8260B	5113
Methylene chloride	ND	mg/l	0.00250	1	9/24/03	22:00	M.Himelick	8260B	5113
Naphthalene	ND	mg/l	0.00500	1	9/24/03	22:00	M.Himelick	8260B	5113
n-Propylbenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Styrene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Tetrachloroethene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Toluene	ND	mg/l	0.0010	1	9/24/03	22:00	M.Himelick	8260B	5113
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Trichloroethene	0.510	mg/l	0.0100	10	9/25/03	11:26	M.Himelick	8260B	1369
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/24/03	22:00	M.Himelick	8260B	5113
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Vinyl chloride	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
Xylenes (Total)	ND	mg/l	0.0010	1	9/24/03	22:00	M.Himelick	8260B	5113
Bromodichloromethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145878
Sample ID: W-5
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/24/03	22:00	M.Himelick	8260B	5113
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	9/25/03	14:08	Carmichael	RSK175M	6595
Carbon Dioxide	63.6	mg/l	3.0	1	9/19/03	2:48	S. Gambill	SM4500CO2C	4959
Ethene	ND	mg/L	0.026	1	9/25/03	14:08	Carmichael	RSK175M	6595
Ethane	ND	mg/L	0.026	1	9/25/03	14:08	Carmichael	RSK175M	6595
METALS									
Iron	0.584	mg/l	0.0500	1	9/23/03	9:55	C. Martin	6010B	6244
Ferrous Iron	0.601	mg/l	0.100	1	9/19/03	21:06	W. Choate	3500D	4954
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1	9/19/03	21:51	W. Choate	353.2	5676
Sulfate	135.	mg/l	10.0	10	9/22/03	9:48	M.Shockley	375.4	6582
Alkalinity as CaCO3	376.	mg/l	5.00	1	9/20/03	14:47	J. Hill	310.1	4960
Total Organic Carbon	ND	mg/l	1.00	1	9/19/03	23:46	M.Checolle	415.1	5122
Sulfide	ND	mg/l	1.000	1	9/23/03	14:00	B. Yanna	376.1	6726
Chloride	26.4	mg/l	2.00	2	9/23/03	22:14	W. Choate	325.2	8934

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	70. - 133.
VOA Surr Toluene-d8	94.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145878
Sample ID: W-5
Project: 51870.9

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175M/8015BM modified for use with Headspace analyzer.
Sample for Ferrous Iron analysis received outside method prescribed holding time.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145879
Sample ID: W-5(DUP)
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 9/18/03
Time Collected: 9:27
Date Received: 9/19/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/24/03	22:28	M.Himelick	8260B	5113
Benzene	ND	mg/l	0.0010	1	9/24/03	22:28	M.Himelick	8260B	5113
Bromobenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Bromochloromethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Bromoform	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Bromomethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
2-Butanone	ND	mg/l	0.0250	1	9/24/03	22:28	M.Himelick	8260B	5113
n-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
sec-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
t-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Carbon disulfide	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Carbon tetrachloride	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Chlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Chloroethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Chloroform	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Chloromethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
2-Chlorotoluene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
4-Chlorotoluene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/24/03	22:28	M.Himelick	8260B	5113
Dibromochloromethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Dibromomethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145879
Sample ID: W-5(DUP)
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
cis-1,2-Dichloroethene	0.112	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
trans-1,2-Dichloroethene	0.00390	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Ethylbenzene	ND	mg/l	0.0010	1	9/24/03	22:28	M.Himelick	8260B	5113
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
2-Hexanone	ND	mg/l	0.00500	1	9/24/03	22:28	M.Himelick	8260B	5113
Isopropylbenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/24/03	22:28	M.Himelick	8260B	5113
Methylene chloride	ND	mg/l	0.00250	1	9/24/03	22:28	M.Himelick	8260B	5113
Naphthalene	ND	mg/l	0.00500	1	9/24/03	22:28	M.Himelick	8260B	5113
n-Propylbenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Styrene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Tetrachloroethene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Toluene	ND	mg/l	0.0010	1	9/24/03	22:28	M.Himelick	8260B	5113
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Trichloroethene	0.444	mg/l	0.0100	10	9/25/03	11:54	M.Himelick	8260B	1369
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/24/03	22:28	M.Himelick	8260B	5113
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Vinyl chloride	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113
Xylenes (Total)	ND	mg/l	0.0010	1	9/24/03	22:28	M.Himelick	8260B	5113
Bromodichloromethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145879
Sample ID: W-5(DUP)
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/24/03	22:28	M.Himelick	8260B	5113

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	106.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	101.	71. - 132.
VOA Surr, DBFM	105.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145880
Sample ID: OB-06
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 9/18/03
Time Collected: 11:13
Date Received: 9/19/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/24/03	22:57	M.Himelick	8260B	5113
Benzene	ND	mg/l	0.0010	1	9/24/03	22:57	M.Himelick	8260B	5113
Bromobenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Bromochloromethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Bromoform	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Bromomethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
2-Butanone	ND	mg/l	0.0250	1	9/24/03	22:57	M.Himelick	8260B	5113
n-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
sec-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
t-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Carbon disulfide	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Carbon tetrachloride	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Chlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Chloroethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Chloroform	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Chloromethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
2-Chlorotoluene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
4-Chlorotoluene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/24/03	22:57	M.Himelick	8260B	5113
Dibromochloromethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Dibromomethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145880
Sample ID: OB-06
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
cis-1,2-Dichloroethene	0.00260	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Ethylbenzene	ND	mg/l	0.0010	1	9/24/03	22:57	M.Himelick	8260B	5113
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
2-Hexanone	ND	mg/l	0.00500	1	9/24/03	22:57	M.Himelick	8260B	5113
Isopropylbenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/24/03	22:57	M.Himelick	8260B	5113
Methylene chloride	ND	mg/l	0.00250	1	9/24/03	22:57	M.Himelick	8260B	5113
Naphthalene	ND	mg/l	0.00500	1	9/24/03	22:57	M.Himelick	8260B	5113
n-Propylbenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Styrene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Tetrachloroethene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Toluene	ND	mg/l	0.0010	1	9/24/03	22:57	M.Himelick	8260B	5113
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Trichloroethene	0.242	mg/l	0.00500	5	9/25/03	12:23	M.Himelick	8260B	1369
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/24/03	22:57	M.Himelick	8260B	5113
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Vinyl chloride	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113
Xylenes (Total)	ND	mg/l	0.0010	1	9/24/03	22:57	M.Himelick	8260B	5113
Bromodichloromethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145880
Sample ID: OB-06
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/24/03	22:57	M.Himelick	8260B	5113

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	106.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145881
Sample ID: BR-08
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 9/18/03
Time Collected: 13:10
Date Received: 9/19/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.0516	mg/l	0.0250	1	9/24/03	23:25	M.Himelick	8260B	5113
Benzene	0.0016	mg/l	0.0010	1	9/24/03	23:25	M.Himelick	8260B	5113
Bromobenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Bromochloromethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Bromoform	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Bromomethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
2-Butanone	ND	mg/l	0.0250	1	9/24/03	23:25	M.Himelick	8260B	5113
n-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
sec-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
t-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Carbon disulfide	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Carbon tetrachloride	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Chlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Chloroethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Chloroform	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Chloromethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
2-Chlorotoluene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
4-Chlorotoluene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/24/03	23:25	M.Himelick	8260B	5113
Dibromochloromethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Dibromomethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145881
Sample ID: BR-08
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
cis-1,2-Dichloroethene	0.242	mg/l	0.0100	10	9/25/03	12:51	M.Himelick	8260B	1369
trans-1,2-Dichloroethene	0.00870	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Ethylbenzene	0.0017	mg/l	0.0010	1	9/24/03	23:25	M.Himelick	8260B	5113
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
2-Hexanone	ND	mg/l	0.00500	1	9/24/03	23:25	M.Himelick	8260B	5113
Isopropylbenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
4-Isopropyltoluene	0.00250	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/24/03	23:25	M.Himelick	8260B	5113
Methylene chloride	ND	mg/l	0.00250	1	9/24/03	23:25	M.Himelick	8260B	5113
Naphthalene	ND	mg/l	0.00500	1	9/24/03	23:25	M.Himelick	8260B	5113
n-Propylbenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Styrene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Tetrachloroethene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Toluene	0.0042	mg/l	0.0010	1	9/24/03	23:25	M.Himelick	8260B	5113
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Trichloroethene	0.322	mg/l	0.0100	10	9/25/03	12:51	M.Himelick	8260B	1369
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/24/03	23:25	M.Himelick	8260B	5113
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Vinyl chloride	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113
Xylenes (Total)	0.0050	mg/l	0.0010	1	9/24/03	23:25	M.Himelick	8260B	5113
Bromodichloromethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145881
Sample ID: BR-08
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/24/03	23:25	M.Himelick	8260B	5113

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	70. - 133.
VOA Surr Toluene-d8	94.	76. - 123.
VOA Surr, 4-BFB	102.	71. - 132.
VOA Surr, DBFM	105.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145882
Sample ID: BR-17
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 9/18/03
Time Collected: 14:15
Date Received: 9/19/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/24/03	23:53	M.Himelick	8260B	5113
Benzene	ND	mg/l	0.0010	1	9/24/03	23:53	M.Himelick	8260B	5113
Bromobenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Bromochloromethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Bromoform	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Bromomethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
2-Butanone	ND	mg/l	0.0250	1	9/24/03	23:53	M.Himelick	8260B	5113
n-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
sec-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
t-Butylbenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Carbon disulfide	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Carbon tetrachloride	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Chlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Chloroethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Chloroform	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Chloromethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
2-Chlorotoluene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
4-Chlorotoluene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/24/03	23:53	M.Himelick	8260B	5113
Dibromochloromethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Dibromomethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

Laboratory Number: 03-A145882
Sample ID: BR-17
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,1-Dichloroethene	0.00310	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
cis-1,2-Dichloroethene	0.173	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
trans-1,2-Dichloroethene	0.0392	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Ethylbenzene	ND	mg/l	0.0010	1	9/24/03	23:53	M.Himelick	8260B	5113
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
2-Hexanone	ND	mg/l	0.00500	1	9/24/03	23:53	M.Himelick	8260B	5113
Isopropylbenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/24/03	23:53	M.Himelick	8260B	5113
Methylene chloride	ND	mg/l	0.00250	1	9/24/03	23:53	M.Himelick	8260B	5113
Naphthalene	ND	mg/l	0.00500	1	9/24/03	23:53	M.Himelick	8260B	5113
n-Propylbenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Styrene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Tetrachloroethene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Toluene	ND	mg/l	0.0010	1	9/24/03	23:53	M.Himelick	8260B	5113
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Trichloroethene	3.20	mg/l	0.0500	50	9/25/03	13:19	M.Himelick	8260B	1369
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/24/03	23:53	M.Himelick	8260B	5113
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Vinyl chloride	0.0778	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113
Xylenes (Total)	ND	mg/l	0.0010	1	9/24/03	23:53	M.Himelick	8260B	5113
Bromodichloromethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145882
Sample ID: BR-17
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/24/03	23:53	M.Himelick	8260B	5113

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	70. - 133.
VOA Surr Toluene-d8	94.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	107.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEEVLER

Lab Number: 03-A145883
Sample ID: BR-03
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 9/18/03
Time Collected: 15:10
Date Received: 9/19/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/25/03	0:21	M.Himelick	8260B	5113
Benzene	ND	mg/l	0.0010	1	9/25/03	0:21	M.Himelick	8260B	5113
Bromobenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Bromochloromethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Bromoform	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Bromomethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
2-Butanone	ND	mg/l	0.0250	1	9/25/03	0:21	M.Himelick	8260B	5113
n-Butylbenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
sec-Butylbenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
t-Butylbenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Carbon disulfide	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Carbon tetrachloride	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Chlorobenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Chloroethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Chloroform	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Chloromethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
2-Chlorotoluene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
4-Chlorotoluene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/25/03	0:21	M.Himelick	8260B	5113
Dibromochloromethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Dibromomethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145883
Sample ID: BR-03
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,1-Dichloroethene	0.00310	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
cis-1,2-Dichloroethene	0.0104	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
trans-1,2-Dichloroethene	0.00150	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Ethylbenzene	ND	mg/l	0.0010	1	9/25/03	0:21	M.Himelick	8260B	5113
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
2-Hexanone	ND	mg/l	0.00500	1	9/25/03	0:21	M.Himelick	8260B	5113
Isopropylbenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
4-Isopropyltoluene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/25/03	0:21	M.Himelick	8260B	5113
Methylene chloride	ND	mg/l	0.00250	1	9/25/03	0:21	M.Himelick	8260B	5113
Naphthalene	ND	mg/l	0.00500	1	9/25/03	0:21	M.Himelick	8260B	5113
n-Propylbenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Styrene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Tetrachloroethene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Toluene	ND	mg/l	0.0010	1	9/25/03	0:21	M.Himelick	8260B	5113
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Trichloroethene	1.15	mg/l	0.0200	20	9/25/03	13:48	M.Himelick	8260B	1369
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/25/03	0:21	M.Himelick	8260B	5113
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Vinyl chloride	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113
Xylenes (Total)	ND	mg/l	0.0010	1	9/25/03	0:21	M.Himelick	8260B	5113
Bromodichloromethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A145883
Sample ID: BR-03
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/25/03	0:21	M.Himelick	8260B	5113

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	110.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	101.	71. - 132.
VOA Surr, DBFM	109.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

September 19 - 22, 2003
Analytical Data

47770

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204
Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: Mactec Client #: 4997
Address: 1431 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: ____
Sampler Name: (Print Name) Janna Pechler
Sampler Signature: Janna Pechler

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 121102.217.199 PO#: MECD3030015

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y (N)

SAMPLE ID		Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOCs (8260)	QC Deliverables	REMARKS
1	BR-14	147720	9/19/03	912	G		GW		3					3	X Level 2 (Batch QC)	
2	QATB02	21	9/19/03	000	G		GW		1					1		trip blank
3	QARB02	22	9/19/03	939	G		GW		3					3		rinse blank
4	QAFB02	23	9/19/03	952	G		GW		3					3		field blank
	BR-01	24	9/19/03	1019	G		GW		3					3		
6	BR-02	25	9/19/03	1155	G		GW		3					3		
	BR-07	26	9/19/03	1313	G		GW		3					3		
5	BR-07 (dup)	27	9/19/03	1515	G		GW		3					3		
	BR-12	28	9/20/03	814	G		GW		3					3		
10	BR-12 (MS)	147728	9/20/03	817	G		GW		3					3		matrix spike

QC Deliverables: ___ None; X Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: ____

Special Instructions:

Relinquished By: Janna Pechler	Date: 9/22/03	Time: 1445	Received By:	Date: 9/23/03	Time: 8:00	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 2.6
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

547770

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Mactec Client #: 4997
Address: 1431 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax:
Sampler Name: (Print Name) Janna Peeler
Sampler Signature: Janna Peeler

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 121102.217.199 PO#: MEC03030015

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOCs (8260)	QC Deliverables	REMARKS
BR-12 (MSD) 147728	9/20/03	817	G		GW		3						3		matrix sp. dup
12 BR-13 29	9/20/03	939	G		GW		3						3		
W-6 30	9/20/03	954	G		GW		3						3		
14 BR-15 31	9/21/03	911	G		GW		3						3		
BR-10 32	9/21/03	1032	G		GW		3						3		
16 OB-04 33	9/21/03	1306	G		GW		3						3		
BR-04 34	9/21/03	1403	G		GW		3						3		
18 ~~OB-05~~ BR-05 35	9/21/03	1544	G		GW		3						3		
BR-09 36	9/22/03	920	G		GW		3						3		
20 OB-08 147737	9/22/03	1016	G		GW		3						3		

QC Deliverables
___ None
X Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

REMARKS

Special Instructions:

	Date:	Time:		Date:	Time:
Relinquished By: Janna Peeler	9/22/03	1445	Received By: MB	9/23/03	850
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

547770

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Mactec Client #: 4997
Address: 1431 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: _____
Sampler Name: (Print Name) Janna Poggler
Sampler Signature: Janna Poggler

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 121102.217.199 PO#: MEC03030015

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOC (8260)	QC Deliverables	REMARKS
BR-11 147738	9/22/03	1135	G		GW		3						3		

QC Deliverables
___ None
X Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date:	Time:	Received By:	Date:	Time:
Relinquished By: Janna Poggler	9/22/03	1445	MB	9/23/03	8:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147720
Sample ID: BR-14
Sample Type: Ground water
Site ID:

Date Collected: 9/19/03
Time Collected: 9:12
Date Received: 9/23/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.699	mg/l	0.0250	1	9/26/03	21:43	C.Reinbold	8260B	3570
Benzene	ND	mg/l	0.0010	1	9/26/03	21:43	C.Reinbold	8260B	3570
Bromobenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Bromochloromethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Bromoform	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Bromomethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
2-Butanone	ND	mg/l	0.0250	1	9/26/03	21:43	C.Reinbold	8260B	3570
n-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
sec-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
tert-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Carbon disulfide	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Carbon tetrachloride	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Chlorobenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Chloroethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Chloroform	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Chloromethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
2-Chlorotoluene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
4-Chlorotoluene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/26/03	21:43	C.Reinbold	8260B	3570
Dibromochloromethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Dibromomethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147720
Sample ID: BR-14
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Ethylbenzene	ND	mg/l	0.0010	1	9/26/03	21:43	C.Reinbold	8260B	3570
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
2-Hexanone	ND	mg/l	0.00500	1	9/26/03	21:43	C.Reinbold	8260B	3570
Isopropylbenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/26/03	21:43	C.Reinbold	8260B	3570
Methylene chloride	ND	mg/l	0.00250	1	9/26/03	21:43	C.Reinbold	8260B	3570
Naphthalene	ND	mg/l	0.00500	1	9/26/03	21:43	C.Reinbold	8260B	3570
n-Propylbenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Styrene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Tetrachloroethene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Toluene	0.0028	mg/l	0.0010	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Trichloroethene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/26/03	21:43	C.Reinbold	8260B	3570
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Vinyl chloride	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570
Xylenes (Total)	0.0020	mg/l	0.0010	1	9/26/03	21:43	C.Reinbold	8260B	3570
Bromodichloromethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147720
Sample ID: BR-14
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/26/03	21:43	C.Reinbold	8260B	3570

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	70. - 133.
VOA Surr Toluene-d8	94.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	105.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147721
Sample ID: QATB02
Sample Type: Ground water
Site ID:

Date Collected: 9/19/03
Time Collected:
Date Received: 9/23/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/26/03	22:13	C.Reinbold	8260B	3570
Benzene	ND	mg/l	0.0010	1	9/26/03	22:13	C.Reinbold	8260B	3570
Bromobenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Bromochloromethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Bromoform	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Bromomethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
2-Butanone	ND	mg/l	0.0250	1	9/26/03	22:13	C.Reinbold	8260B	3570
n-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
sec-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
tert-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Carbon disulfide	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Carbon tetrachloride	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Chlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Chloroethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Chloroform	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Chloromethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
2-Chlorotoluene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
4-Chlorotoluene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/26/03	22:13	C.Reinbold	8260B	3570
Dibromochloromethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Dibromomethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147721
Sample ID: QATB02
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Ethylbenzene	ND	mg/l	0.0010	1	9/26/03	22:13	C.Reinbold	8260B	3570
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
2-Hexanone	ND	mg/l	0.00500	1	9/26/03	22:13	C.Reinbold	8260B	3570
Isopropylbenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/26/03	22:13	C.Reinbold	8260B	3570
Methylene chloride	ND	mg/l	0.00250	1	9/26/03	22:13	C.Reinbold	8260B	3570
Naphthalene	ND	mg/l	0.00500	1	9/26/03	22:13	C.Reinbold	8260B	3570
n-Propylbenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Styrene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Tetrachloroethene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Toluene	ND	mg/l	0.0010	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Trichloroethene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/26/03	22:13	C.Reinbold	8260B	3570
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Vinyl chloride	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570
Xylenes (Total)	ND	mg/l	0.0010	1	9/26/03	22:13	C.Reinbold	8260B	3570
Bromodichloromethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147721
Sample ID: QATB02
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/26/03	22:13	C.Reinbold	8260B	3570

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	97.	71. - 132.
VOA Surr, DBFM	98.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147722
Sample ID: QARB02
Sample Type: Ground water
Site ID:

Date Collected: 9/19/03
Time Collected: 9:39
Date Received: 9/23/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/26/03	22:43	C.Reinbold	8260B	3570
Benzene	ND	mg/l	0.0010	1	9/26/03	22:43	C.Reinbold	8260B	3570
Bromobenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Bromochloromethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Bromoform	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Bromomethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
2-Butanone	ND	mg/l	0.0250	1	9/26/03	22:43	C.Reinbold	8260B	3570
n-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
sec-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
tert-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Carbon disulfide	0.00210	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Carbon tetrachloride	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Chlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Chloroethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Chloroform	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Chloromethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
2-Chlorotoluene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
4-Chlorotoluene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/26/03	22:43	C.Reinbold	8260B	3570
Dibromochloromethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Dibromomethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147722
Sample ID: QARB02
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Ethylbenzene	ND	mg/l	0.0010	1	9/26/03	22:43	C.Reinbold	8260B	3570
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
2-Hexanone	ND	mg/l	0.00500	1	9/26/03	22:43	C.Reinbold	8260B	3570
Isopropylbenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/26/03	22:43	C.Reinbold	8260B	3570
Methylene chloride	ND	mg/l	0.00250	1	9/26/03	22:43	C.Reinbold	8260B	3570
Naphthalene	ND	mg/l	0.00500	1	9/26/03	22:43	C.Reinbold	8260B	3570
n-Propylbenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Styrene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Tetrachloroethene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Toluene	ND	mg/l	0.0010	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Trichloroethene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/26/03	22:43	C.Reinbold	8260B	3570
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Vinyl chloride	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570
Xylenes (Total)	ND	mg/l	0.0010	1	9/26/03	22:43	C.Reinbold	8260B	3570
Bromodichloromethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147722
Sample ID: QARB02
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/26/03	22:43	C.Reinbold	8260B	3570

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	101.	71. - 132.
VOA Surr, DBFM	105.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147723
Sample ID: QAFB02
Sample Type: Ground water
Site ID:

Date Collected: 9/19/03
Time Collected: 9:52
Date Received: 9/23/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/26/03	23:13	C.Reinbold	8260B	3570
Benzene	ND	mg/l	0.0010	1	9/26/03	23:13	C.Reinbold	8260B	3570
Bromobenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Bromochloromethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Bromoform	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Bromomethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
2-Butanone	ND	mg/l	0.0250	1	9/26/03	23:13	C.Reinbold	8260B	3570
n-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
sec-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
tert-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Carbon disulfide	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Carbon tetrachloride	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Chlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Chloroethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Chloroform	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Chloromethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
2-Chlorotoluene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
4-Chlorotoluene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/26/03	23:13	C.Reinbold	8260B	3570
Dibromochloromethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Dibromomethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147723
Sample ID: QAFB02
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Ethylbenzene	ND	mg/l	0.0010	1	9/26/03	23:13	C.Reinbold	8260B	3570
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
2-Hexanone	ND	mg/l	0.00500	1	9/26/03	23:13	C.Reinbold	8260B	3570
Isopropylbenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/26/03	23:13	C.Reinbold	8260B	3570
Methylene chloride	ND	mg/l	0.00250	1	9/26/03	23:13	C.Reinbold	8260B	3570
Naphthalene	ND	mg/l	0.00500	1	9/26/03	23:13	C.Reinbold	8260B	3570
n-Propylbenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Styrene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Tetrachloroethene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Toluene	ND	mg/l	0.0010	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Trichloroethene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/26/03	23:13	C.Reinbold	8260B	3570
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Vinyl chloride	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570
Xylenes (Total)	ND	mg/l	0.0010	1	9/26/03	23:13	C.Reinbold	8260B	3570
Bromodichloromethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147723
Sample ID: QAFB02
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/26/03	23:13	C.Reinbold	8260B	3570

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	70. - 133.
VOA Surr Toluene-d8	92.	76. - 123.
VOA Surr, 4-BFB	97.	71. - 132.
VOA Surr, DBFM	100.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147724
Sample ID: BR-01
Sample Type: Ground water
Site ID:

Date Collected: 9/19/03
Time Collected: 10:19
Date Received: 9/23/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	10:06	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	10:06	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	10:06	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	10:06	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147724
Sample ID: BR-01
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.0114	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
trans-1,2-Dichloroethene	0.00170	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	10:06	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	10:06	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	10:06	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	10:06	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	10:06	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Trichloroethene	0.102	mg/l	0.00100	1	9/29/03	9:38	C.Reinbold	8260B	4328
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	10:06	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Vinyl chloride	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	10:06	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147724
Sample ID: BR-01
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	10:06	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	70. - 133.
VOA Surr Toluene-d8	92.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	100.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147725
Sample ID: BR-02
Sample Type: Ground water
Site ID:

Date Collected: 9/19/03
Time Collected: 11:55
Date Received: 9/23/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	3:40	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	3:40	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	3:40	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	3:40	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147725
Sample ID: BR-02
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.245	mg/l	0.00500	5	9/29/03	10:36	C.Reinbold	8260B	4328
trans-1,2-Dichloroethene	0.0233	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	3:40	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	3:40	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	3:40	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	3:40	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	3:40	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Trichloroethene	0.372	mg/l	0.00500	5	9/29/03	10:36	C.Reinbold	8260B	4328
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	3:40	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Vinyl chloride	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	3:40	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147725
Sample ID: BR-02
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	3:40	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	70. - 133.
VOA Surr Toluene-d8	92.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	100.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147726
Sample ID: BR-07
Sample Type: Ground water
Site ID:

Date Collected: 9/19/03
Time Collected: 13:13
Date Received: 9/23/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	4:10	C.Reinbold	8260B	3637
Benzene	0.0032	mg/l	0.0010	1	9/27/03	4:10	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	4:10	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	4:10	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147726
Sample ID: BR-07
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.0128	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
trans-1,2-Dichloroethene	0.00810	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	4:10	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	4:10	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	4:10	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	4:10	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	4:10	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Trichloroethene	0.00110	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	4:10	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Vinyl chloride	0.0559	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	4:10	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147726
Sample ID: BR-07
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	4:10	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	97.	71. - 132.
VOA Surr, DBFM	99.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147727
Sample ID: BR-07 DUP
Sample Type: Ground water
Site ID:

Date Collected: 9/19/03
Time Collected: 15:15
Date Received: 9/23/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	4:39	C.Reinbold	8260B	3637
Benzene	0.0016	mg/l	0.0010	1	9/27/03	4:39	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	4:39	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	4:39	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147727
Sample ID: BR-07 DUP
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.0154	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
trans-1,2-Dichloroethene	0.00950	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	4:39	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	4:39	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	4:39	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	4:39	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	4:39	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Trichloroethene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	4:39	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Vinyl chloride	0.0663	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	4:39	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147727
Sample ID: BR-07 DUP
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	4:39	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	112.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	100.	71. - 132.
VOA Surr, DBFM	110.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147728
Sample ID: BR-12
Sample Type: Ground water
Site ID:

Date Collected: 9/20/03
Time Collected: 8:14
Date Received: 9/23/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/26/03	23:42	C.Reinbold	8260B	3570
Benzene	ND	mg/l	0.0010	1	9/26/03	23:42	C.Reinbold	8260B	3570
Bromobenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Bromochloromethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Bromoform	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Bromomethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
2-Butanone	ND	mg/l	0.0250	1	9/26/03	23:42	C.Reinbold	8260B	3570
n-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
sec-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
tert-Butylbenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Carbon disulfide	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Carbon tetrachloride	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Chlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Chloroethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Chloroform	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Chloromethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
2-Chlorotoluene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
4-Chlorotoluene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/26/03	23:42	C.Reinbold	8260B	3570
Dibromochloromethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Dibromomethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147728
Sample ID: BR-12
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
cis-1,2-Dichloroethene	0.0206	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Ethylbenzene	ND	mg/l	0.0010	1	9/26/03	23:42	C.Reinbold	8260B	3570
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
2-Hexanone	ND	mg/l	0.00500	1	9/26/03	23:42	C.Reinbold	8260B	3570
Isopropylbenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/26/03	23:42	C.Reinbold	8260B	3570
Methylene chloride	ND	mg/l	0.00250	1	9/26/03	23:42	C.Reinbold	8260B	3570
Naphthalene	ND	mg/l	0.00500	1	9/26/03	23:42	C.Reinbold	8260B	3570
n-Propylbenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Styrene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Tetrachloroethene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Toluene	ND	mg/l	0.0010	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Trichloroethene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/26/03	23:42	C.Reinbold	8260B	3570
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Vinyl chloride	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570
Xylenes (Total)	ND	mg/l	0.0010	1	9/26/03	23:42	C.Reinbold	8260B	3570
Bromodichloromethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147728
Sample ID: BR-12
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/26/03	23:42	C.Reinbold	8260B	3570

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	100.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147729
Sample ID: BR-13
Sample Type: Ground water
Site ID:

Date Collected: 9/20/03
Time Collected: 9:39
Date Received: 9/23/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	5:09	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	5:09	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	5:09	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	5:09	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147729
Sample ID: BR-13
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.00850	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	5:09	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	5:09	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	5:09	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	5:09	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	5:09	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Trichloroethene	0.00300	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	5:09	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Vinyl chloride	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	5:09	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147729
Sample ID: BR-13
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	5:09	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	95.	71. - 132.
VOA Surr, DBFM	102.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147730
Sample ID: W-6
Sample Type: Ground water
Site ID:

Date Collected: 9/20/03
Time Collected: 9:54
Date Received: 9/23/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	5:39	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	5:39	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	5:39	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	5:39	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147730
Sample ID: W-6
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.0142	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	5:39	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	5:39	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	5:39	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	5:39	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	5:39	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Trichloroethene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	5:39	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Vinyl chloride	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	5:39	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147730
Sample ID: W-6
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	5:39	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	70. - 133.
VOA Surr Toluene-d8	92.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	100.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147731
Sample ID: BR-15
Sample Type: Ground water
Site ID:

Date Collected: 9/21/03
Time Collected: 9:11
Date Received: 9/23/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	6:09	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	6:09	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	6:09	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	6:09	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147731
Sample ID: BR-15
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,1-Dichloroethene	0.00690	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.580	mg/l	0.100	100	9/29/03	11:05	C.Reinbold	8260B	4328
trans-1,2-Dichloroethene	0.0353	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	6:09	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	6:09	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	6:09	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	6:09	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	6:09	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Trichloroethene	1.23	mg/l	0.100	100	9/29/03	11:05	C.Reinbold	8260B	4328
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	6:09	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Vinyl chloride	0.00830	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	6:09	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147731
Sample ID: BR-15
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	6:09	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	70. - 133.
VOA Surr Toluene-d8	91.	76. - 123.
VOA Surr, 4-BFB	100.	71. - 132.
VOA Surr, DBFM	101.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147732
Sample ID: BR-10
Sample Type: Ground water
Site ID:

Date Collected: 9/21/03
Time Collected: 10:32
Date Received: 9/23/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	6:38	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	6:38	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	6:38	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	6:38	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147732
Sample ID: BR-10
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,1-Dichloroethene	0.00200	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.400	mg/l	0.100	100	9/29/03	11:35	C.Reinbold	8260B	4328
trans-1,2-Dichloroethene	0.0494	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	6:38	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	6:38	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	6:38	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	6:38	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	6:38	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Trichloroethene	2.25	mg/l	0.100	100	9/29/03	11:35	C.Reinbold	8260B	4328
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	6:38	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Vinyl chloride	0.0161	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	6:38	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147732
Sample ID: BR-10
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	6:38	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	70. - 133.
VOA Surr Toluene-d8	91.	76. - 123.
VOA Surr, 4-BFB	101.	71. - 132.
VOA Surr, DBFM	101.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147733
Sample ID: OB-04
Sample Type: Ground water
Site ID:

Date Collected: 9/21/03
Time Collected: 13:06
Date Received: 9/23/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	7:08	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	7:08	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	7:08	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	7:08	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147733
Sample ID: OB-04
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.125	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
trans-1,2-Dichloroethene	0.00190	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	7:08	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	7:08	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	7:08	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	7:08	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	7:08	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Tetrachloroethene	0.00600	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Trichloroethene	2.78	mg/l	0.100	100	9/29/03	12:05	C.Reinbold	8260B	4328
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	7:08	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Vinyl chloride	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	7:08	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147733
Sample ID: OB-04
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	7:08	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	70. - 133.
VOA Surr Toluene-d8	91.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	100.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147734
Sample ID: BR-04
Sample Type: Ground water
Site ID:

Date Collected: 9/21/03
Time Collected: 14:03
Date Received: 9/23/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	7:38	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	7:38	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	7:38	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	7:38	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147734
Sample ID: BR-04
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,1-Dichloroethene	0.00540	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.560	mg/l	0.100	100	9/29/03	12:34	C.Reinbold	8260B	4328
trans-1,2-Dichloroethene	0.0610	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	7:38	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	7:38	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	7:38	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	7:38	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	7:38	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Trichloroethene	2.54	mg/l	0.100	100	9/29/03	12:34	C.Reinbold	8260B	4328
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	7:38	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Vinyl chloride	0.0322	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	7:38	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147734
Sample ID: BR-04
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	7:38	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	100.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147735
Sample ID: BR-05
Sample Type: Ground water
Site ID:

Date Collected: 9/21/03
Time Collected: 15:44
Date Received: 9/23/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	9:36	C.Reinbold	8260B	3637
Benzene	0.0052	mg/l	0.0010	1	9/27/03	9:36	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	9:36	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	9:36	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147735
Sample ID: BR-05
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	0.00150	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,1-Dichloroethene	0.0179	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	1.60	mg/l	0.100	100	9/29/03	13:04	C.Reinbold	8260B	4328
trans-1,2-Dichloroethene	0.151	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	9:36	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	9:36	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	9:36	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	9:36	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	9:36	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Trichloroethene	2.38	mg/l	0.100	100	9/29/03	13:04	C.Reinbold	8260B	4328
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	9:36	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637
Vinyl chloride	0.380	mg/l	0.100	100	9/29/03	13:04	C.Reinbold	8260B	4328
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	9:36	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147735
Sample ID: BR-05
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	9:36	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	112.	70. - 133.
VOA Surr Toluene-d8	92.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	110.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147736
Sample ID: BR-09
Sample Type: Ground water
Site ID:

Date Collected: 9/22/03
Time Collected: 9:20
Date Received: 9/23/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	8:07	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	8:07	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	8:07	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	8:07	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147736
Sample ID: BR-09
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.0431	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
trans-1,2-Dichloroethene	0.00320	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	8:07	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	8:07	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	8:07	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	8:07	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	8:07	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Trichloroethene	4.33	mg/l	0.100	100	9/29/03	13:34	C.Reinbold	8260B	4328
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	8:07	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Vinyl chloride	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	8:07	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147736
Sample ID: BR-09
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	8:07	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	111.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	100.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147737
Sample ID: OB-08
Sample Type: Ground water
Site ID:

Date Collected: 9/22/03
Time Collected: 10:16
Date Received: 9/23/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	8:37	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	8:37	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	8:37	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	8:37	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147737
Sample ID: OB-08
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,1-Dichloroethene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.0321	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
trans-1,2-Dichloroethene	0.00310	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	8:37	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	8:37	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	8:37	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	8:37	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	8:37	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Tetrachloroethene	0.00260	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Trichloroethene	2.78	mg/l	0.100	100	9/29/03	14:04	C.Reinbold	8260B	4328
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	8:37	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Vinyl chloride	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	8:37	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A147737
Sample ID: OB-08
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	8:37	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	113.	70. - 133.
VOA Surr Toluene-d8	92.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	109.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Project: 51870.9
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: JANNA PEELER

Lab Number: 03-A147738
Sample ID: BR-11
Sample Type: Ground water
Site ID:

Date Collected: 9/22/03
Time Collected: 11:35
Date Received: 9/23/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	9/27/03	9:07	C.Reinbold	8260B	3637
Benzene	ND	mg/l	0.0010	1	9/27/03	9:07	C.Reinbold	8260B	3637
Bromobenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Bromochloromethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Bromoform	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Bromomethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
2-Butanone	ND	mg/l	0.0250	1	9/27/03	9:07	C.Reinbold	8260B	3637
n-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
sec-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
tert-Butylbenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Carbon disulfide	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Carbon tetrachloride	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Chlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Chloroethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Chloroform	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Chloromethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
2-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
4-Chlorotoluene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	9/27/03	9:07	C.Reinbold	8260B	3637
Dibromochloromethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,2-Dibromoethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Dibromomethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Dichlorodifluoromethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637

Sample report continued . . .

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ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

Laboratory Number: 03-A147738
Sample ID: BR-11
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	0.00180	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,2-Dichloroethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,1-Dichloroethene	0.00770	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
cis-1,2-Dichloroethene	0.400	mg/l	0.250	250	9/29/03	14:33	C.Reinbold	8260B	4328
trans-1,2-Dichloroethene	0.0657	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,3-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
2,2-Dichloropropane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,1-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Ethylbenzene	ND	mg/l	0.0010	1	9/27/03	9:07	C.Reinbold	8260B	3637
Hexachlorobutadiene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
2-Hexanone	ND	mg/l	0.00500	1	9/27/03	9:07	C.Reinbold	8260B	3637
Isopropylbenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
p-Isopropyltoluene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	9/27/03	9:07	C.Reinbold	8260B	3637
Methylene chloride	ND	mg/l	0.00250	1	9/27/03	9:07	C.Reinbold	8260B	3637
Naphthalene	ND	mg/l	0.00500	1	9/27/03	9:07	C.Reinbold	8260B	3637
n-Propylbenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Styrene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Tetrachloroethene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Toluene	ND	mg/l	0.0010	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,1,1-Trichloroethane	0.00260	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Trichloroethene	22.7	mg/l	0.250	250	9/29/03	14:33	C.Reinbold	8260B	4328
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	9/27/03	9:07	C.Reinbold	8260B	3637
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Vinyl chloride	0.0283	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637
Xylenes (Total)	ND	mg/l	0.0010	1	9/27/03	9:07	C.Reinbold	8260B	3637
Bromodichloromethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

Laboratory Number: 03-A147738
Sample ID: BR-11
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	9/27/03	9:07	C.Reinbold	8260B	3637

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	101.	71. - 132.
VOA Surr, DBFM	100.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

APPENDIX C

CHAIN-OF-CUSTODY FORMS

TestAmerica
AL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

346980

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Mactec Client #: 4997
Address: 1431 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: 865.531.8226
Sampler Name: (Print Name) Janna Peerter
Sampler Signature:

Project Name: Former Taylor Instruments
Project #: 51870.5
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 12102.217.199 PO#: MEC0303005

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

Matrix: SL - Sludge DW - Drinking Water; GW - Groundwater S - Soil/Solid; WW - Wastewater Specify Other
Preservation & # of Containers: HNO_3, HCl, NaOH, H_2SO_4, Methanol, None, Other (Specify)
Analyze For: VOCs (8260); Nitrate 353.2; Sulfate 375.4; Sulfide 376.1; ethane/ethene/methane 8015M; TOC 415.1; Chloride 325.1; Alkalinity 310.1; Fe(II) 6010-Fe; CO_2 4500

QC Deliverables: ___ None; X Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	VOCs (8260)	Nitrate 353.2	Sulfate 375.4	Sulfide 376.1	ethane/ethene/methane 8015M	TOC 415.1	Chloride 325.1	Alkalinity 310.1	Fe(II) 6010-Fe	CO_2 4500	REMARKS
QATB01 144382	9/16/03	000	G		GW		1						1										trip blank
QATB01 383	9/16/03	1005	G		GW		3						3										rinse blank
QAFB01 384	9/16/03	1015	G		GW		3						3										field blank
W-2 385	9/16/03	1359	G		GW						4								1	1		2	
TW-4 386	9/16/03	1457	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	
TW-17 387	9/16/03	1619	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	9/16/03	1700			
Relinquished By:					
Relinquished By:			Received By:	9/17/03	800

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

347196

Client Name: Mactec Client #: 4997
Address: 1431 Center Point Blvd Suite 150
State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: _____
Sampler Name: (Print Name) Janna Peeler
Sampler Signature: Janna Peeler

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 12102.217.159 PO#: MEC030300LS

TAT: X Standard; __ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: Vocs (8260)	nitrate 353.2	Sulfate 375.4	Sulfide 376.1	ethane/ethene/methane 8015M	TOC 415.1	Chloride 325.1	Alkalinity 310.1	Fe(II) 6010B	CO_2 4500B	REMARKS
TW-20	9/17/03	838	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	145236
TW-07	9/17/03	948	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	237
TW-09	9/17/03	1100	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	238
OB-09	9/17/03	1352	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	239
OB-07	9/17/03	1455	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	240
OB-07 (MS)	9/17/03	1504	G		GW		3						3							240			matrix spike
OB-07 (MSD)	9/17/03	1504	G		GW		3						3										matrix sp. dup.

QC Deliverables: __ None; X Level 2 (Batch QC); __ Level 3; __ Level 4; Other: _____

Special Instructions:

Relinquished By: Janna Peeler	Date: 9/17/03	Time: 1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 9/18/03	Time: 0900

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

TestAmerica
ANALYTICAL TESTING CORPORATION

347319

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Mactec Client #: 4997
Address: 1421 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: 865.531.8226
Sampler Name: (Print Name) Janna Peeler
Sampler Signature: [signature]

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 12102.217.19 PO#: MEC030300015

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

QC Deliverables: ___ None; X Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOCs (8260)	Nitrate 353.2	Sulfate 375.4	Sulfide 376.1	Ethane/ethene/methane RSKSM	TOC 415.1	Chloride 325.1	Alkalinity 310.1	Fe(II) 6010B	CO_2 4500	REMARKS
W-5	9/18/03	911	G		GW		9	1			6		3	1	1	1	3	2	1	1	1	2	14878
W-5 (dup)	9/18/03	927	G		GW		3						3										9
OB-06	9/18/03	1113	G		GW		3						3										80
BR-08	9/18/03	1310	G		GW		3						3										1
BR-17	9/18/03	1415	G		GW		3						3										2
BR-03	9/18/03	1510	G		GW		3						3										14883

Special Instructions:

Relinquished By: [signature]	Date: 9/18/03	Time: 1827	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [signature]	Date: 9/19/03	Time: 0805

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 4.0
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

147770

TestAmerica ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Mactec Client #: 4997
Address: 1431 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: _____
Sampler Name: (Print Name) Janna Peeler
Sampler Signature: Janna Peeler

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 121102.217.199 PO#: MEC03030015

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other
Preservation & # of Containers: HNO_3, HCl, NaOH, H_2SO_4, Methanol, None, Other (Specify)
Analyze For: VOCs (8260)

QC Deliverables: ___ None; X Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: _____

	SAMPLE ID		Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	VOCs (8260)	REMARKS
	BR-14	147720	9/19/03	912	G		GW		3						3	
2	QATB02	21	9/19/03	000	G		GW		1						1	trip blank
	QARB02	22	9/19/03	939	G		GW		3						3	rinse blank
4	QAFB02	23	9/19/03	952	G		GW		3						3	field blank
	BR-01	24	9/19/03	1019	G		GW		3						3	
6	BR-02	25	9/19/03	1155	G		GW		3						3	
	BR-07	26	9/19/03	1313	G		GW		3						3	
8	BR-07 (dup)	27	9/19/03	1515	G		GW		3						3	
	BR-12	28	9/20/03	814	G		GW		3						3	
10	BR-12 (MS)	147728	9/20/03	817	G		GW		3						3	matrix spike

Special Instructions:

Relinquished By: Janna Peeler	9/22/03	Time: 1445	Received By: MRL	Date: 9/23/03	Time: 8:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 2.6
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

347770

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Mactec Client #: 4997
Address: 1431 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: _____
Sampler Name: (Print Name) Janna Peeler
Sampler Signature: Janna Peeler

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 21102.217.199 PO#: MEC03030015

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

QC Deliverables
___ None
X Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOCs (8260)	REMARKS
BR-12 (MSD) 147728	9/20/03	917	G		GW		3						3	matrix sp. dup
12 BR-13 29	9/20/03	939	G		GW		3						3	
W-6 30	9/20/03	954	G		GW		3						3	
14 BR-15 31	9/21/03	911	G		GW		3						3	
BR-10 32	9/21/03	1032	G		GW		3						3	
16 OB-04 33	9/21/03	1306	G		GW		3						3	
BR-04 34	9/21/03	1403	G		GW		3						3	
18 ~~OB-03~~ BR-05 35	9/21/03	1544	G		GW		3						3	
BR-09 36	9/22/03	920	G		GW		3						3	
20 OB-08 147737	9/22/03	1016	G		GW		3						3	

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

Relinquished By: Janna Peeler	Date: 9/22/03	Time: 1445	Received By: MB	Date: 9/23/03	Time: 8:20
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

547770

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Mactec Client #: 4997
Address: 1431 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37932
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: _____
Sampler Name: (Print Name) Janna Peeler
Sampler Signature: Janna Peeler

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 121102.217.199 PO#: MEC03030015

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)

QC Deliverables
___ None
X Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOC (8260)	REMARKS
BR-11 147738	9/22/03	1135	G		GW		3						3	

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date:	Time:	Received By:	Date:	Time:
Relinquished By: Janna Peeler	9/22/03	1445	MB	9/23/03	8:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

APPENDIX D

FIELD DATA RECORDS

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/16/03

SITE ID: QAT301

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1015 END 1020

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- ☐ TOP OF WELL RISER
- ☐ TOP OF PROTECTIVE CASING
- ☐ OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER	FT	WELL DEPTH	FT	PID AMBIENT AIR	PPM	WELL DIAMETER	IN
FINAL DEPTH TO WATER	FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	FT	DRAWDOWN VOLUME	GAL	PRODUCT THICKNESS	FT		

WELL INTEGRITY:	YES	NO	N/A
CAP	___	___	___
CASING	___	___	___
LOCKED	___	___	___
COLLAR	___	___	___

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE	L/MIN	BEGIN PURGING		END PURGING		TOTAL VOL. PURGED	GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER _____
☐ OTHER _____	☐ OTHER _____	☐ OTHER _____	

PURGE OBSERVATIONS

SIGNATURE _____

NOTES

trip blank
time listed as 0.00

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/16/03

SITE ID: QAFBØ1

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1006 END 1015

JOB NUMBER: 51870 9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- ☐ TOP OF WELL RISER
- ☐ TOP OF PROTECTIVE CASING
- ☐ OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): ____ FT

PROTECTIVE CASING / WELL DIFFERENCE: ____ FT

INITIAL DEPTH TO WATER: ____ FT

WELL DEPTH: ____ FT

PID AMBIENT AIR: ____ PPM

WELL DIAMETER: ____ IN

FINAL DEPTH TO WATER: ____ FT

SCREEN LENGTH: ____ FT

PID WELL MOUTH: ____ PPM

DRAWDOWN: ____ FT

DRAWDOWN VOLUME: ____ GAL

PRODUCT THICKNESS: ____ FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

WELL INTEGRITY:	YES	NO	N/A
CAP	___	___	___
CASING	___	___	___
LOCKED	___	___	___
COLLAR	___	___	___

PURGE RATE: ____ L/MIN

BEGIN PURGING: ____

END PURGING: ____

TOTAL VOL. PURGED: ____ GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ OTHER _____

TYPE OF TUBING
- ☐ TEFLON OR TEFLON LINED
- ☒ HIGH DENSITY POLYETHYLENE
- ☐ OTHER _____

TYPE OF PUMP MATERIAL
- ☐ POLYVINYL CHLORIDE
- ☐ STAINLESS STEEL
- ☐ OTHER _____

TYPE OF BLADDER MATERIAL (if applicable)
- ☐ TEFLON
- ☐ OTHER _____

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

field blank collected @ 1015

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments; 2003 3rd Qtr Sampling Event

DATE: 9/16/03

SITE ID: QARBØ1

SITE TYPE: Monitor Well

SITE ACTIVITY: START 955 END 1005

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- ☐ TOP OF WELL RISER
- ☐ TOP OF PROTECTIVE CASING
- ☐ OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): ____ FT

PROTECTIVE CASING / WELL DIFFERENCE: ____ FT

INITIAL DEPTH TO WATER: ____ FT

WELL DEPTH: ____ FT

PID AMBIENT AIR: ____ PPM

WELL DIAMETER: ____ IN

FINAL DEPTH TO WATER: ____ FT

SCREEN LENGTH: ____ FT

PID WELL MOUTH: ____ PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

DRAWDOWN: ____ FT

DRAWDOWN VOLUME: ____ GAL

PRODUCT THICKNESS: ____ FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: ____ L/MIN

BEGIN PURGING: ____

END PURGING: ____

TOTAL VOL. PURGED: ____ GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ OTHER _____

TYPE OF TUBING
- ☐ TEFLON OR TEFLON LINED
- ☒ HIGH DENSITY POLYETHYLENE
- ☐ OTHER _____

TYPE OF PUMP MATERIAL
- ☐ POLYVINYL CHLORIDE
- ☐ STAINLESS STEEL
- ☐ OTHER _____

TYPE OF BLADDER MATERIAL (if applicable)
- ☐ TEFLON
- ☐ OTHER _____

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

rinse blank collected off rebar @ 1005

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/19/03

SITE ID: QATBØ2

SITE TYPE: Monitor Well

SITE ACTIVITY: START 929 END 934

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- ☐ TOP OF WELL RISER
- ☐ TOP OF PROTECTIVE CASING
- ☐ OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER	FT	WELL DEPTH	FT	PID AMBIENT AIR	PPM	WELL DIAMETER	IN
FINAL DEPTH TO WATER	FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	FT	DRAWDOWN VOLUME	GAL	PRODUCT THICKNESS	FT		

WELL INTEGRITY:	YES	NO	N/A
CAP	—	—	—
CASING	—	—	—
LOCKED	—	—	—
COLLAR	—	—	—

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: _____ L/MIN

BEGIN PURGING: _____

END PURGING: _____

TOTAL VOL. PURGED: _____ GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER _____
☐ OTHER _____	☐ OTHER _____	☐ OTHER _____	

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

trip blank; time listed as 0:00

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/19/03

SITE ID: QARB02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 935 END 945

JOB NUMBER: 518709

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [ ] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): ____ FT

PROTECTIVE CASING / WELL DIFFERENCE: ____ FT

INITIAL DEPTH TO WATER: ____ FT

WELL DEPTH: ____ FT

PID AMBIENT AIR: ____ PPM

WELL DIAMETER: ____ IN

FINAL DEPTH TO WATER: ____ FT

SCREEN LENGTH: ____ FT

PID WELL MOUTH: ____ PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

DRAWDOWN: ____ FT

DRAWDOWN VOLUME: ____ GAL

PRODUCT THICKNESS: ____ FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: ____ L/MIN

BEGIN PURGING: ____

END PURGING: ____

TOTAL VOL. PURGED: ____ GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [x] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] OTHER _____

TYPE OF TUBING
- [ ] TEFLON OR TEFLON LINED
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER _____

TYPE OF PUMP MATERIAL
- [ ] POLYVINYL CHLORIDE
- [ ] STAINLESS STEEL
- [ ] OTHER _____

TYPE OF BLADDER MATERIAL (if applicable)
- [ ] TEFLON
- [ ] OTHER _____

PURGE OBSERVATIONS

SIGNATURE: [signature]

NOTES

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Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2003 3rd Qtr Sampling Event

DATE: 9/19/03

SITE ID: QAFB02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 946 END 955

JOB NUMBER: 518709

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [ ] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): ____ FT

PROTECTIVE CASING / WELL DIFFERENCE: ____ FT

INITIAL DEPTH TO WATER: ____ FT

WELL DEPTH: ____ FT

PID AMBIENT AIR: ____ PPM

WELL DIAMETER: ____ IN

FINAL DEPTH TO WATER: ____ FT

SCREEN LENGTH: ____ FT

PID WELL MOUTH: ____ PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

DRAWDOWN: ____ FT

DRAWDOWN VOLUME: ____ GAL

PRODUCT THICKNESS: ____ FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: ____ L/MIN

BEGIN PURGING: ____

END PURGING: ____

TOTAL VOL. PURGED: ____ GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [x] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] OTHER _____

TYPE OF TUBING
- [ ] TEFLON OR TEFLON LINED
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER _____

TYPE OF PUMP MATERIAL
- [ ] POLYVINYL CHLORIDE
- [ ] STAINLESS STEEL
- [ ] OTHER _____

TYPE OF BLADDER MATERIAL (if applicable)
- [ ] TEFLON
- [ ] OTHER _____

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

field blank
collected @ 952

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event
DATE: 9/21/03
SITE ID: OB-04
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1235 END 1314
JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): FT
PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER	12.28 FT	WELL DEPTH	16.45 FT	PID AMBIENT AIR	PPM
FINAL DEPTH TO WATER	13.11 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM
DRAWDOWN	0.83 FT	DRAWDOWN VOLUME	0.13 GAL	PRODUCT THICKNESS	FT

WELL DIAMETER: 2 IN

WELL INTEGRITY:	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.12 L/MIN
BEGIN PURGING: 1238
END PURGING: 1310
TOTAL VOL PURGED: 0.98 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA — Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1246	1.00	7.51	0.90	364	8.88	7.47	18.96	148	≈125 mL/min
1251	1.63	7.53	0.74	302	5.09	7.58	18.92	136	≈125 mL/min
1256	2.19	7.53	0.74	214	3.99	1.39	19.05	101	≈111 mL/min
1300	2.63	7.53	0.73	107	3.81	1.15	19.12	64	≈111 mL/min
1304	3.10	7.54	0.72	64	3.01	1.08	19.12	53	≈117 mL/min
1306	collect sample for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE:

NOTES

1246 DTW = 12.67
1251 DTW = 12.82
1255 DTW = 12.91
1300 DTW = 13.05
1304 DTW = 13.12

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/21/05

SITE ID: OB-05

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1605 END 1620

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [ ] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): ____ FT

PROTECTIVE CASING / WELL DIFFERENCE: ____ FT

INITIAL DEPTH TO WATER	— FT	WELL DEPTH	17.34 FT	PID AMBIENT AIR	____ PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	____ FT	SCREEN LENGTH	____ FT	PID WELL MOUTH	____ PPM		
DRAWDOWN	____ FT	DRAWDOWN VOLUME	____ GAL	PRODUCT THICKNESS	____ FT		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

WELL INTEGRITY:	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

PURGE RATE: ____ L/MIN

BEGIN PURGING: ____

END PURGING: ____

TOTAL VOL. PURGED: ____ GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
Well is dry; cannot sample								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] OTHER _____	[ ] OTHER _____	[ ] OTHER _____	

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/18/03

SITE ID: OB-06

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1045 END

JOB NUMBER: 51870 9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER	9.70 FT	WELL DEPTH	16.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	10.57 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.87 FT	DRAWDOWN VOLUME	0.14 GAL	PRODUCT THICKNESS	FT		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

WELL INTEGRITY:

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

PURGE RATE: 0.14 L/MIN

BEGIN PURGING: 1053

END PURGING: 1115

TOTAL VOL. PURGED: 0.82 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1058	1.00	8.12	0.59	167	8.60	5.06	18.41	87	≈200 mL/min
1103	1.63	7.97	0.59	168	7.74	4.14	18.87	66	≈125 mL/min
1107	2.10	7.87	0.58	172	7.56	4.04	18.96	65	≈117 mL/min
1111	2.63	7.81	0.58	149	7.49	4.02	19.02	68	≈133 mL/min
1113	collect samples for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

1059 DTW = 10.13
1103 DTW = 10.27
1107 DTW = 10.40
1111 DTW = 10.55

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event
DATE: 9/17/03
SITE ID: OB-07
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1430 END
JOB NUMBER: 518709

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): FT
PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER	8.56 FT	WELL DEPTH	20.01 FT	PID AMBIENT AIR	PPM
WELL DIAMETER	2 IN	FINAL DEPTH TO WATER	9.10 FT	SCREEN LENGTH	FT
PID WELL MOUTH	PPM	DRAWDOWN	0.54 FT	DRAWDOWN VOLUME	0.09 GAL
PRODUCT THICKNESS	FT				

WELL INTEGRITY:

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.16 L/MIN
BEGIN PURGING: 1436
END PURGING: 1509
TOTAL VOL. PURGED: 1.34 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1442	0.86	7.34	2.00	66.4	7.49	0.72	17.87	-68	≈142 mL/min
1445	1.36	7.33	1.99	66.1	6.79	0.46	17.78	-96	≈167 mL/min
1450	2.03	7.33	1.99	50.7	5.59	0.40	17.94	-101	≈133 mL/min
1453	2.58	7.33	1.99	42.6	5.90	0.60	17.98	-101	≈181 mL/min
1455	collect samples for 8260 & bioparameters								
1504	collect OB-07 (MS) and OB-07 (MSD) samples								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

1442 DTW 9.27
1445 DTW 9.37
1450 DTW 9.42
1453 DTW 9.47

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/22/03

SITE ID: OB-08

SITE TYPE: Monitor Well

SITE ACTIVITY: START 944 END 1030

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [ ] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): ____ FT

PROTECTIVE CASING / WELL DIFFERENCE: ____ FT

INITIAL DEPTH TO WATER	16.89 FT	WELL DEPTH	24.85 FT	PID AMBIENT AIR	____ PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	18.50 FT	SCREEN LENGTH	____ FT	PID WELL MOUTH	____ PPM		
DRAWDOWN	1.61 FT	DRAWDOWN VOLUME	0.26 GAL	PRODUCT THICKNESS	____ FT		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

WELL INTEGRITY:

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

PURGE RATE: 0.10 L/MIN

BEGIN PURGING: 948

END PURGING: 1022

TOTAL VOL. PURGED: 0.87 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
957	0.95	7.34	1.17	49.2	6.16	3.64	16.86	151	≈105 mL/min
1003	1.55	7.35	1.16	44.4	5.66	3.91	16.70	126	≈100 mL/min
1008	2.03	7.36	1.15	46.0	5.38	3.12	16.95	108	≈ 95 mL/min
1014	2.60	7.36	1.15	20.6	5.91	2.93	16.98	108	≈95 mL/min
1016	Collect samples for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] OTHER _____	[ ] OTHER _____	[ ] OTHER _____	

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

957 DTW = 17.60

1003 DTW = 18.05

1008 DTW = 18.31

1014 DTW = 18.52

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/17/03

SITE ID: OB-09

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1320 END 1420

JOB NUMBER: 51870 9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [ ] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): ____ FT

PROTECTIVE CASING / WELL DIFFERENCE: ____ FT

INITIAL DEPTH TO WATER: 13.00 FT

WELL DEPTH: 23.25 FT

PID AMBIENT AIR: ____ PPM

WELL DIAMETER: 2 IN

FINAL DEPTH TO WATER: 13.39 FT

SCREEN LENGTH: ____ FT

PID WELL MOUTH: ____ PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

DRAWDOWN: 0.39 FT

DRAWDOWN VOLUME: 0.06 GAL

PRODUCT THICKNESS: ____ FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.13 L/MIN

BEGIN PURGING: 1328

END PURGING: 1408

TOTAL VOL. PURGED: 1.02 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1338	1.25	7.11	1.22	157	5.75	0.27	18.70	25	≈125 mL/min
1342	1.75	7.10	1.22	155	4.46	0.23	18.45	-8	≈125 mL/min
1347	2.42	7.10	1.22	130	3.84	0.27	18.18	-35	≈133 mL/min
1350	2.85	7.09	1.22	114	3.67	0.25	18.04	-47	≈142 mL/min
1352	collect samples for 8260 & bioparameters								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] OTHER _____	[ ] OTHER _____	[ ] OTHER _____	

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

1338 DTW 13.34
1342 DTW 13.40
1347 DTW 13.45
1350 DTW 13.49

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/16/03

SITE ID: TW-04

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1427 END

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- ☐ TOP OF WELL RISER
- ☐ TOP OF PROTECTIVE CASING
- ☐ OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER: 13.49 FT

WELL DEPTH: 20.72 FT

PID AMBIENT AIR: _____ PPM

WELL DIAMETER: _____ IN

FINAL DEPTH TO WATER: 14.85 FT

SCREEN LENGTH: _____ FT

PID WELL MOUTH: _____ PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP	—	—	—
CASING	—	—	—
LOCKED	—	—	—
COLLAR	—	—	—

DRAWDOWN: 1.36 FT

DRAWDOWN VOLUME: 0.22 GAL

PRODUCT THICKNESS: _____ FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.13 L/MIN

BEGIN PURGING: 1433

END PURGING: 1513

TOTAL VOL. PURGED: 1.32 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1440	1.67	7.14	1.35	72.5	1.84	4.32	17.51	-138	≈167 mL/min
1444	2.17	7.13	1.31	56.3	1.78	2.73	17.58	-120	≈125 mL/min
1450	2.72	7.12	1.27	52.6	1.83	2.44	17.39	-104	≈91 mL/min
1455	3.35	7.12	1.26	53.3	1.63	1.67	17.49	-102	≈125 mL/min
1457	collect samples for 8260 & bioparameters								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER _____
☐ OTHER _____	☐ OTHER _____	☐ OTHER _____	

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

1440 DTW 13.83

1444 DTW 13.98

1450 DTW 14.20

1455 DTW 14.34

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/17/03

SITE ID: TW-07

SITE TYPE: Monitor Well

SITE ACTIVITY: START 920 END 1010

JOB NUMBER: 518709

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND):

PROTECTIVE CASING / WELL DIFFERENCE:

INITIAL DEPTH TO WATER: 11.96 FT

WELL DEPTH: 20.72 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: IN

FINAL DEPTH TO WATER: 13.12 FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

WELL INTEGRITY: CAP, CASING, LOCKED, COLLAR — YES / NO / N/A

DRAWDOWN: 1.16 FT

DRAWDOWN VOLUME: 0.19 GAL

PRODUCT THICKNESS: FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.14 L/MIN

BEGIN PURGING: 927

END PURGING: 1003

TOTAL VOL. PURGED: 1.29 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba down well

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
935	1.07	6.97	1.82	23.2	5.26	9.67	16.65	153	≈133 mL/min
939	1.64	6.97	1.84	22.8	5.56	9.57	16.71	118	≈142 mL/min
942	2.07	6.99	1.83	19.2	5.61	9.49	16.63	99	≈142 mL/min
946	2.60	6.98	1.83	23.3	4.22	9.51	16.55	84	≈133 mL/min
948	collect samples for 8260 & bioparameters								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

935 DTW = 12.35

939 DTW = 12.47

942 DTW = 12.52

946 DTW = 12.71

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/17/03

SITE ID: TW-09

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1025 END 1120

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 12.07 FT

WELL DEPTH: 17.7 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: IN

FINAL DEPTH TO WATER: 12.18 FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

DRAWDOWN: 0.11 FT

DRAWDOWN VOLUME: 0.02 GAL

PRODUCT THICKNESS: FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.14 L/MIN

BEGIN PURGING: 1035

END PURGING: 1115

TOTAL VOL. PURGED: 1.85 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1042	1.08	7.22	1.03	469	2.75	1.64	17.29	70	≈154 mL/min
1045	1.63	7.20	1.02	357	1.92	1.53	17.29	-10	≈181 mL/min
1049	2.13	7.20	1.01	288	1.84	1.43	17.40	-33	≈125 mL/min
1053	2.63	7.20	1.01	247	1.59	1.29	17.43	-42	≈125 mL/min
1058	3.26	7.20	1.01	222	1.48	1.16	17.45	-50	≈125 mL/min
1100	collect samples for 8260 and bioparameters								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

1042 DTW = 12.20
1045 DTW = 12.21
1049 DTW = 12.22
1053 DTW = 12.22
1058 DTW = 12.22

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/16/03

SITE ID: TW-17

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1550 END 1645

JOB NUMBER: 518709

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [ ] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): ____ FT

PROTECTIVE CASING / WELL DIFFERENCE: ____ FT

INITIAL DEPTH TO WATER: 11.17 FT

WELL DEPTH: 17.45 FT

PID AMBIENT AIR: ____ PPM

WELL DIAMETER: ____ IN

FINAL DEPTH TO WATER: 11.49 FT

SCREEN LENGTH: ____ FT

PID WELL MOUTH: ____ PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

DRAWDOWN: 0.32 FT

DRAWDOWN VOLUME: 0.05 GAL

PRODUCT THICKNESS: ____ FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.13 L/MIN

BEGIN PURGING: 1556

END PURGING: 1634

TOTAL VOL. PURGED: 1.29 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1605	1.29	7.01	1.14	75.8	2.47	1.34	16.58	-18	≈142 mL/min
1609	1.82	6.99	1.14	61.9	1.71	0.83	17.00	-45	≈133 mL/min
1613	2.32	6.99	1.14	64.9	1.72	0.73	17.33	-81	≈125 mL/min
1617	2.82	7.00	1.14	41.4	1.70	0.65	17.01	-96	≈125 mL/min
1619	collect samples for 8260 & bioparameters								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [x] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] OTHER _____

TYPE OF TUBING
- [ ] TEFLON OR TEFLON LINED
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER _____

TYPE OF PUMP MATERIAL
- [ ] POLYVINYL CHLORIDE
- [ ] STAINLESS STEEL
- [ ] OTHER _____

TYPE OF BLADDER MATERIAL (if applicable)
- [ ] TEFLON
- [ ] OTHER _____

PURGE OBSERVATIONS

SIGNATURE: [signature]

NOTES

1605 DTW = 11.51

1609 DTW = 11.52

1613 DTW = 11.53

1617 DTW = 11.54

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/17/03

SITE ID: TW-20

SITE TYPE: Monitor Well

SITE ACTIVITY: START 806 END

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 13.36 FT

WELL DEPTH: 17.22 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: IN

FINAL DEPTH TO WATER: 13.85 FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

WELL INTEGRITY: CAP, CASING, LOCKED, COLLAR — YES / NO / N/A

DRAWDOWN: 0.49 FT

DRAWDOWN VOLUME: 0.08 GAL

PRODUCT THICKNESS: FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.11 L/MIN

BEGIN PURGING: 812

END PURGING: 850

TOTAL VOL. PURGED: 1.13 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
820	0.94	6.58	1.16	55.8	8.44	7.56	15.50	150	≈117 mL/min
826	1.57	6.70	1.15	55.8	4.80	7.67	15.49	138	≈105 mL/min
830	2.01	6.76	1.15	51.6	4.21	7.70	15 45	113	≈111 mL/min
836	2.76	6.83	1.11	50.2	3.98	7.72	15.35	120	≈125 mL/min
838	Collect Samples for 8260 & bioparameters								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ OTHER

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☒ HIGH DENSITY POLYETHYLENE ☐ OTHER

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☐ OTHER

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☐ OTHER

PURGE OBSERVATIONS

SIGNATURE:

NOTES

820 DTW 13.60

826 DTW 13.68

830 DTW 13.76

835 DTW 13.80

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/16/03

SITE ID: W-2

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1320 END

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 9.54 FT

WELL DEPTH: FT

PID AMBIENT AIR: PPM

WELL DIAMETER: IN

FINAL DEPTH TO WATER: 10.20 FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

DRAWDOWN: 0.66 FT

DRAWDOWN VOLUME: 0.11 GAL

PRODUCT THICKNESS: FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.14 L/MIN

BEGIN PURGING: 1336

END PURGING: 1402

TOTAL VOL. PURGED: 0.85 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba Downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1344	0.94	7.00	0.73	30.2	6.82	3.18	18.07	51	~118 mL/min
1348	1.51	7.14	0.73	21.7	6.71	3.12	18.50	31	≈ 143 mL/min
1352	2.08	7.26	0.72	21.1	6.44	3.55	19.16	18	≈143 mL/min
1357	2.79	7.32	0.72	19.6	6.57	3.40	19.02	5	≈143 mL/min
1359	collect samples for chlorine, alkalinity & CO_2								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ OTHER

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☒ HIGH DENSITY POLYETHYLENE ☐ OTHER

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☐ OTHER

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☐ OTHER

PURGE OBSERVATIONS

SIGNATURE

NOTES

1344 DTW = 10.44

1348 DTW = 10.51

1352 DTW = 10.66

1357 DTW = 10.70

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/18/03

SITE ID: W-5

SITE TYPE: Monitor Well

SITE ACTIVITY: START 830 END 945

JOB NUMBER: 518709

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER: 10.10 FT

WELL DEPTH: 21.8 FT

PID AMBIENT AIR: _____ PPM

WELL DIAMETER: _____ IN

FINAL DEPTH TO WATER: 12.50 FT

SCREEN LENGTH: _____ FT

PID WELL MOUTH: _____ PPM

WELL INTEGRITY: CAP, CASING, LOCKED, COLLAR — YES / NO / N/A

DRAWDOWN: 2.40 FT

DRAWDOWN VOLUME: 0.38 GAL

PRODUCT THICKNESS: _____ FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.13 L/MIN

BEGIN PURGING: 845

END PURGING: 929

TOTAL VOL. PURGED: 1.47 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
852	0.93	6.56	1.30	38.6	2.69	1.15	15.50	-135	≈133 mL/min
856	1.43	6.65	1.29	35.0	7.06	1.23	15.46	-143	≈125 mL/min
901	2.02	6.72	1.29	33.5	5.38	1.37	15.47	-139	≈117 mL/min
905	2.55	6.76	1.28	38.3	4.20	1.33	15.41	-134	≈133 mL/min
909	3.03	6.78	1.27	43.2	7.01	1.34	15.41	-132	≈133 mL/min
911	collect samples for 8260 & bioparameters								
927	collect W-5 (dup)								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ OTHER _____

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☒ HIGH DENSITY POLYETHYLENE ☐ OTHER _____

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☐ OTHER _____

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☐ OTHER _____

PURGE OBSERVATIONS

SIGNATURE: Joshua Fowler

NOTES

852 DTW = 11.10

856 DTW = 11.49

901 DTW = 11.83

905 DTW = 12.05

909 DTW = 12.28

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/18/03

SITE ID: W-6

SITE TYPE: Monitor Well

SITE ACTIVITY: START 953 END

JOB NUMBER: 518709

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 5.26 FT

WELL DEPTH: 11.30 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: IN

FINAL DEPTH TO WATER: FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

DRAWDOWN: FT

DRAWDOWN VOLUME: GAL

PRODUCT THICKNESS: FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: L/MIN

BEGIN PURGING: 958

END PURGING:

TOTAL VOL. PURGED: GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

	Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
	1004	1.00	11.02	1.57	39.2	1.74 | 0.84	20.33	-117	≈167 mL/min
	1006	1.33	10.93	1.55	19.5	1.59 | 1.11	20.49	-125	≈167 mL/min
	1009	cannot minimize drawdown; will purge dry & sample following recharge							
9/19	1530	water @ 10.00' btor; will sample tomorrow							
9/20	952	water @ 9.76' btor							
	954	collect samples for 8260							

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

1004 DTW = 6.62

1006 DTW = 7.39

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/19/03

SITE ID: BR-01

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1000 END

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 19.20 FT

WELL DEPTH: 38.60 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: 4 IN

FINAL DEPTH TO WATER: 19.36 FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

DRAWDOWN: 0.16 FT

DRAWDOWN VOLUME: 0. GAL

PRODUCT THICKNESS: FT

WELL INTEGRITY:	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.09 L/MIN

BEGIN PURGING: 1014

END PURGING: 1052

TOTAL VOL. PURGED: 0.94 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1025	1.00	7.05	1.26	79.0	4.75	0.09	15.30	-141	≈90 mL/min
1031	1.55	6.99	1.26	100.0	4.07	0.05	15.33	-145	≈90 mL/min
1036	2.03	6.97	1.26	99.5	3.71	0.04	15.34	-146	≈95 mL/min
1042	2.63	6.97	1.25	115	1.88	0.03	15.27	-148	≈100 mL/min
1047	3.13	6.97	1.25	126	1.61	0.03	15.29	-149	≈100 mL/min
1049	collect sample for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

1025 DTW = 19.31

1031 DTW = 19.34

1036 DTW = 19.37

1042 DTW = 19.37

1047 DTW = 19.38

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/19/03

SITE ID: BR-02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1110 END 1205

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 24.31 FT

WELL DEPTH: 42.75 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: 4 IN

FINAL DEPTH TO WATER: 24.42 FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

DRAWDOWN: 0.11 FT

DRAWDOWN VOLUME: 0.07 GAL

PRODUCT THICKNESS: FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.06 L/MIN

BEGIN PURGING: 1115

END PURGING: 1159

TOTAL VOL. PURGED: 0.73 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1126	0.88	7.16	1.25	31.6	2.14	0.18	17.86	-96	≈80 mL/min
1135	1.41	7.16	1.25	6.3	1.90	0.17	18.15	-101	≈59 mL/min
1144	1.94	7.16	1.24	39.1	1.75	0.15	18.35	-105	≈59 mL/min
1153	2.44	7.16	1.25	22.8	1.73	0.16	18.39	-108	≈56 mL/min
1155	collect sample for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE:

NOTES

1126 DTW = 24.42
1135 DTW = 24.41
1144 DTW = 24.43
1153 DTW = 24.46

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/18/03

SITE ID: BR-03

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1440 END 1520

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [ ] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER	13.57 FT	WELL DEPTH	42.2 FT	PID AMBIENT AIR	_____ PPM
WELL DIAMETER	2 IN	FINAL DEPTH TO WATER	14.30 FT	SCREEN LENGTH	_____ FT
PID WELL MOUTH	_____ PPM	DRAWDOWN	0.73 FT	DRAWDOWN VOLUME	_____ GAL
PRODUCT THICKNESS	_____ FT				

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

WELL INTEGRITY:	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

PURGE RATE: 0.125 L/MIN

BEGIN PURGING: 1448

END PURGING: 1513

TOTAL VOL. PURGED: 0.81 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA — Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1455	0.88	7.27	1.63	118	4.68	2.41	15.84	-148	≈125 mL/min
1459	1.38	7.26	1.63	70.1	3.60	0.39	15.97	-150	≈125 mL/min
1503	1.88	7.26	1.63	55.4	2.40	0.18	15.80	-152	≈125 mL/min
1508	2.51	7.26	1.63	70.4	1.96	0.14	15.70	-154	≈125 mL/min
1510	collect samples for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] OTHER _____	[ ] OTHER _____	[ ] OTHER _____	

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

1455 DTW = 13.85
1459 DTW = 13.99
1503 DTW = 14.10
1508 DTW = 14.15

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/21/03

SITE ID: BL-04

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1315 END 1415

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER	23.72 FT	WELL DEPTH	40.8 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	23.70 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.02 FT	DRAWDOWN VOLUME	0.01 GAL	PRODUCT THICKNESS	FT		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

WELL INTEGRITY:	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

PURGE RATE: 0.06 L/MIN | BEGIN PURGING: 1318 | END PURGING: 1402 | TOTAL VOL. PURGED: 0.67 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1333	0.88	7.01	1.91	25.5	1.99	0.02	18.78	-139	≈59 mL/min
1342	1.43	7.00	1.91	19.5	1.57	0.02	19.09	-138	≈60 mL/min
1351	1.96	7.00	1.92	15.9	1.37	0.04	19.17	-138	≈59 mL/min
1400	2.46	7.00	1.92	20.9	1.40	0.04	19.70	-138	≈56 mL/min
1403	collect samples ~~from~~ for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER _____
☐ OTHER _____	☐ OTHER _____	☐ OTHER _____	

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

1333 DTW = 23.68

1342 DTW = 23.70

1351 DTW = 23.70

1400 DTW = 23.70

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/21/03

SITE ID: BR-05

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1450 END 1600

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 23.02 FT

WELL DEPTH: 50.15 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: 4 IN

FINAL DEPTH TO WATER: 23.05 FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

WELL INTEGRITY:	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

DRAWDOWN: 0.03 FT

DRAWDOWN VOLUME: 0.02 GAL

PRODUCT THICKNESS: FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.06 L/MIN

BEGIN PURGING: 1456

END PURGING: 1548

TOTAL VOL. PURGED: 0.85 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1509	1.00	6.99	1.67	2.2	5.73	0.14	18.93	-134	≈67 mL/min
1516	1.47	6.98	1.68	0	4.87	0.08	18.71	-134	≈67 mL/min
1525	2.02	6.98	1.68	97.5	4.80	0.05	18.61	-133	≈60 mL/min
1533	2.51	6.99	1.68	49.0	4.58	0.04	18.42	-133	≈61 mL/min
1542	3.06	6.99	1.68	10.0	4.53	0.04	18.32	-133	≈61 mL/min
1544	Collect samples for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

1509 23.07

1516 DTW = 23.06

1525 DTW = 23.05

1533 DTW = 23.05

1542 DTW = 23.05

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/19/03

SITE ID: BR-07

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1420 END 1530

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER	26.10 FT	WELL DEPTH	FT	PID AMBIENT AIR	PPM
FINAL DEPTH TO WATER	26.10 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM
DRAWDOWN	— FT	DRAWDOWN VOLUME	— GAL	PRODUCT THICKNESS	FT

WELL DIAMETER: 4 IN

WELL INTEGRITY:	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.06 L/MIN

BEGIN PURGING: 1432

END PURGING: 1520

TOTAL VOL. PURGED: 0.80 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1444	0.86	7.07	3.85	48.7	2.90	0.23	16.55	-199	≈ 71 mL/min
1453	1.41	7.05	3.88	51.0	2.22	0.15	16.51	-209	≈ 61 mL/min
1502	1.97	7.05	3.89	54.5	1.70	0.14	16.63	-214	≈ 63 mL/min
1510	2.44	7.06	3.91	60.5	1.27	0.20	16.64	-217	≈ 59 mL/min
1513	collect samples for BR-07								
1515	collect samples for BR-07 (dup)								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

1444 DTW = 26.10
1453 DTW = 26.10
1502 DTW = 26.10
1510 DTW = 26.08

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/18/03

SITE ID: BR-08

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1225 END

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER	23.63 FT	WELL DEPTH	74.55 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	24.74 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY: CAP	YES ☐ NO ☐ N/A ☐
DRAWDOWN	1.11 FT	DRAWDOWN VOLUME	0.72 GAL	PRODUCT THICKNESS	FT	CASING	☐ ☐ ☐
						LOCKED	☐ ☐ ☐
						COLLAR	☐ ☐ ☐

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.08 L/MIN	1232	1314	0.91 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA — Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1243	0.96	10.68	1.35	73.4	2.13	0.03	18.49	-247	≈87 mL/min
1249	1.46	10.70	1.35	69.8	2.28	0.09	18.40	-256	≈83 mL/min
1255	1.96	10.71	1.36	42.4	2.01	0.19	18.46	-261	≈83 mL/min
1302	2.52	10.71	1.36	35.2	1.84	0.31	18.60	-262	≈80 mL/min
1308	3.02	10.72	1.36	50.7	2.14	0.35	18.69	-263	≈83 mL/min
1310	collect samples for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE:

NOTES

1243 DTW = 23.91
1249 DTW = 24.11
1255 DTW = 24.29
1302 DTW = 24.48
1308 DTW = 24.69

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/22/03

SITE ID: BR-09

SITE TYPE: Monitor Well

SITE ACTIVITY: START 822 END 93

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 23.71 FT

WELL DEPTH: 49.40 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: IN

FINAL DEPTH TO WATER: 23.71 FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP	—	—	—
CASING	—	—	—
LOCKED	—	—	—
COLLAR	—	—	—

DRAWDOWN: — FT

DRAWDOWN VOLUME: — GAL

PRODUCT THICKNESS: FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.04 L/MIN

BEGIN PURGING: 827

END PURGING: 924

TOTAL VOL. PURGED: 0.66 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
843	0.63	6.77	2.08	40.3	2.48	0.28	17.77	45	≈39 mL/min
855	1.14	6.84	2.12	32.0	2.12	0.15	17.61	54	≈43 mL/min
906	1.66	6.87	2.14	10.0	1.59	0.12	17.63	55	≈48 mL/min
917	2.18	6.89	2.13	2.0	1.74	0.11	17.88	52	≈48 mL/min
920	collect samples for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ OTHER

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☒ HIGH DENSITY POLYETHYLENE ☐ OTHER

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☐ OTHER

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☐ OTHER

PURGE OBSERVATIONS

SIGNATURE:

NOTES

843 DTW = 23.71

855 DTW = 23.71

906 DTW = 23.71

917 DTW = 23.71

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/21/03

SITE ID: BR-10

SITE TYPE: Monitor Well

SITE ACTIVITY: START 935 END 1042

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER: 23.39 FT

WELL DEPTH: 50.25 FT

PID AMBIENT AIR: _____ PPM

WELL DIAMETER: _____ IN

FINAL DEPTH TO WATER: 23.39 FT

SCREEN LENGTH: _____ FT

PID WELL MOUTH: _____ PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP	—	—	—
CASING	—	—	—
LOCKED	—	—	—
COLLAR	—	—	—

DRAWDOWN: — FT

DRAWDOWN VOLUME: — GAL

PRODUCT THICKNESS: _____ FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.07 L/MIN

BEGIN PURGING: 946

END PURGING: 1034

TOTAL VOL. PURGED: 0.89 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
959	1.00	7.10	1.84	128	2.96	1.20	17.23	8	≈74 mL/min
1006	1.52	7.08	1.88	97.1	2.41	0.30	17.56	-7	≈74 mL/min
1013	2.04	7.08	1.89	67.4	1.83	0.15	17.66	-16	≈74 mL/min
1021	2.57	7.06	1.89	72.2	1.64	0.11	17.54	-25	≈67 mL/min
1029	3.10	7.06	1.88	63.9	1.69	0.10	17.46	-30	≈67 mL/min
1032	collect sample for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ OTHER _____

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☒ HIGH DENSITY POLYETHYLENE ☐ OTHER _____

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☐ OTHER _____

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☐ OTHER _____

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

959 DTW = 23.40

1006 DTW = 23.37

1013 DTW = 23.38

1021 DTW = 23.39

1029 DTW = 23.39

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 3rd Qtr Sampling Event

DATE: 9/22/03

SITE ID: BR-11

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1035 END 1145

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 23.54 FT

WELL DEPTH: 57.50 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: IN

FINAL DEPTH TO WATER: 23.54 FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

WELL INTEGRITY: CAP, CASING, LOCKED, COLLAR — YES / NO / N/A

DRAWDOWN: — FT

DRAWDOWN VOLUME: — GAL

PRODUCT THICKNESS: FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.05 L/MIN

BEGIN PURGING: 1041

END PURGING: 1139

TOTAL VOL. PURGED: 0.70 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1059	0.80	7.13	1.97	118	3.00	0.09	19.07	-22	≈44 mL/min
1119	1.32	7.12	1.97	48.5	2.82	0.11	19.15	-16	≈44 mL/min
1122	1.84	7.12	1.97	45.4	1.64	0.09	19.20	-17	≈48 mL/min
1132	2.34	7.12	1.98	37.6	1.52	0.08	19.05	-24	≈50 mL/min
1135	collect samples for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ OTHER

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☒ HIGH DENSITY POLYETHYLENE ☐ OTHER

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☐ OTHER

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☐ OTHER

PURGE OBSERVATIONS

SIGNATURE:

NOTES

1059 DTW = 23.53
1111 DTW = 23.52
1122 DTW = 23.52
1132 DTW = 23.52

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/20/03

SITE ID: BR-12

SITE TYPE: Monitor Well

SITE ACTIVITY: START 730 END 835

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER	19.71 FT	WELL DEPTH	44.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	20.30 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.59 FT	DRAWDOWN VOLUME	0.89 GAL	PRODUCT THICKNESS	FT		

WELL INTEGRITY:

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.08 L/MIN	736	823	1.04 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
746	1.00	6.73	2.04	999	3.45	4.87	16.08	-218	≈100 mL/min
754	1.52	6.92	2.07	701	1.91	0.26	16.07	-213	≈65 mL/min
800	2.02	6.98	2.07	351	1.68	0.15	16.24	-207	≈83 mL/min
806	2.57	7.02	2.07	231	1.47	0.10	16.18	-205	≈90 mL/min
812	3.09	7.06	2.07	186	1.35	0.10	16.17	-205	≈86 mL/min
814	collect samples for BR60								
817	collect samples BR-12 (MS) & BR-12 (MSD)								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

746 DTW = 19.86

754 DTW = 19.97

800 DTW = 20.02

806 DTW = 20.10

812 DTW = 20.20

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/20/03

SITE ID: BR-13

SITE TYPE: Monitor Well

SITE ACTIVITY: START 845 END

JOB NUMBER: 518709

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER	23.90 FT	WELL DEPTH	78.20 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	23.90 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY: CAP	YES X NO — N/A —
DRAWDOWN	— FT	DRAWDOWN VOLUME	— GAL	PRODUCT THICKNESS	FT	CASING	X — —
						LOCKED	X — —
						COLLAR	X — —

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.05 L/MIN	849	942	0.70 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
905	0.80	7.08	1.47	14.6	3.13	2.02	17.57	-143	≈50 mL/min
916	0.82	7.11	1.47	10.5	1.92	0.27	17.98	-144	≈48 mL/min
926	1.83	7.12	1.47	32.2	1.74	0.18	17.51	-145	≈51 mL/min
936	2.36	7.12	1.47	38.6	1.32	0.13	17.37	-146	≈53 mL/min
939	Collect sample for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

905 DTW - 23.90
916 DTW = 23.90
926 DTW = 23.89
936 DTW = 23.89

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event
DATE: 9/19/03
SITE ID: BR-14
SITE TYPE: Monitor Well
SITE ACTIVITY: START 830 END 920
JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): FT
PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER	21.60 FT	WELL DEPTH	77.65 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	22.49 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.89 FT	DRAWDOWN VOLUME	0.58 GAL	PRODUCT THICKNESS	FT		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

WELL INTEGRITY:	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

PURGE RATE: 0.07 L/MIN
BEGIN PURGING: 837
END PURGING: 914
TOTAL VOL. PURGED: 0.74 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA — Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
849	0.92	7.32	1.28	37.8	2.36	0.75	16.49	-89	≈77 mL/min
856	1.48	8.12	1.30	41.7	1.60	0.19	16.35	-127	≈80 mL/min
903	1.96	8.61	1.30	48.0	1.32	0.11	16.39	-151	≈69 mL/min
910	2.52	8.75	1.30	19.9	1.24	0.09	16.39	-162	≈80 mL/min
912	collect samples for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE:

NOTES

849 DTW = 21.86
856 DTW = 22.05
903 DTW = 22.25
910 DTW = 22.40

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/21/03

SITE ID: BL-15

SITE TYPE: Monitor Well

SITE ACTIVITY: START 822 END 920

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER	23.57 FT	WELL DEPTH	77.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	23.90 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.33 FT	DRAWDOWN VOLUME	0.49 GAL	PRODUCT THICKNESS	FT		

WELL INTEGRITY:	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.06 L/MIN	829	915	0.74 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
842	0.87	6.91	1.41	3.88	2.82	0.16	15.98	-170	≈67 mL/min
850	1.37	7.09	1.41	2.7	2.09	0.10	15.73	-175	≈63 mL/min
900	1.96	7.17	1.41	4.73	1.86	0.10	15.62	-178	≈58 mL/min
909	2.49	7.21	1.41	5.82	1.73	0.10	15.57	-179	≈59 mL/min
911	collect sample for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
☒ PERISTALTIC	☐ TEFLON OR TEFLON LINED	☐ POLYVINYL CHLORIDE	☐ TEFLON
☐ SUBMERSIBLE	☒ HIGH DENSITY POLYETHYLENE	☐ STAINLESS STEEL	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	

PURGE OBSERVATIONS

SIGNATURE

NOTES

842 DTW = 23.69
850 DTW = 23.73
900 DTW = 23.80
909 DTW = 23.88

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 3rd Qtr Sampling Event

DATE: 9/18/03

SITE ID: BR-17

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1340 END

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [ ] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER	24.08 FT	WELL DEPTH	62.2 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	24.08 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	— FT	DRAWDOWN VOLUME	— GAL	PRODUCT THICKNESS	FT		

WELL INTEGRITY:	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.08 L/MIN	1342	1418	0.73 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1352	0.91	7.27	2.25	122	2.17	0.48	19.33	-160	≈91 mL/min
1359	1.41	7.10	2.27	79.3	1.61	0.19	19.48	-155	≈71 mL/min
1407	2.00	7.02	2.27	52.1	1.62	0.13	19.77	-153	≈74 mL/min
1413	2.44	6.99	2.27	32.4	1.41	0.11	19.78	-151	≈94 mL/min
1415	collect samples for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] OTHER _____	[ ] OTHER _____	[ ] OTHER _____	

PURGE OBSERVATIONS

SIGNATURE _____

NOTES

24 JP

1352 DTW ~~24~~.09

1359 DTW 24.08

1407 DTW 24.06

1413 DTW 24.09

APPENDIX E

WELL CONSTRUCTION INFORMATION

Appendix E
Well Construction Information

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York ,

						Screen Interval		Survey Coordinates			Well Material	Completion		
Well ID	Date Installed	Well Purpose/Type	Well Location	Boring Depth	Well Depth	Top	Bottom	Easting	Northing	Elevation	Riser/Screen	Flush-mount	Vault	Stick-up
BR-01	09/02/97	Monitor	Perimeter	42.2	42.2	NA	NA	750364.06	1150086.89	531.92	Stainless / Open	X		
BR-02	09/02/97	Monitor	Perimeter	44.0	44.0	NA	NA	750541.81	1149964.51	532.39	Stainless / Open	X		
BR-03	09/02/97	Monitor	Perimeter	40.1	40.1	NA	NA	750552.93	1149641.68	536.32	Stainless / Open			X
BR-04	09/03/97	Monitor	South Source	44.2	44.2	NA	NA	750322.96	1149422.13	532.68	Stainless / Open	X		
BR-05	09/03/97	Monitor	North Source	49.9	49.9	NA	NA	750216.62	1149958.67	531.76	Stainless / Open	X		
BR-06	09/03/97	Monitor	Background	42.6	42.6	NA	NA	749939.91	1149145.54	539.10	Stainless / Open	X		
BR-07	09/03/97	Monitor	Upgradient	53.3	53.3	NA	NA	749983.50	1149989.76	534.46	Stainless / Open			X
BR-08	07/28/00	Monitor	South Plume (Deep)	73.0	73.0	NA	NA	750340.94	1149482.41	533.13	Iron / Open	X		
BR-09	07/28/00	Monitor	South Source	47.0	47.0	NA	NA	750400.72	1149438.67	532.72	Iron / Open	X		
BR-10	07/28/00	Monitor	South Source	47.0	47.0	NA	NA	750426.90	1149411.76	532.29	Iron / Open	X		
BR-11	07/28/00	Monitor	South Source	52.0	52.0	NA	NA	750387.82	1149546.25	532.53	Iron / Open	X		
BR-12	07/28/00	Monitor	North Source	42.0	42.0	NA	NA	750195.19	1150010.12	531.90	Iron / Open	X		
BR-13	07/28/00	Monitor	Perimeter	67.5	67.5	NA	NA	750197.49	1150044.27	532.01	Iron / Open	X		
BR-14	07/28/00	Monitor	North Plume (Deep)	75.3	75.3	NA	NA	750260.61	1150052.20	531.67	Iron / Open	X		
BR-15	07/26/00	Monitor	North Source	72.0	72.0	NA	NA	750293.39	1149980.43	531.69	Iron / Open	X		
BR-16	07/26/00	Monitor	North Source	55.0	55.0	NA	NA	750223.79	1150013.71	531.32	Iron / Open	X		
BR-17	07/28/00	Monitor	South Source	52.0	52.0	NA	NA	750333.76	1149478.26	533.16	Iron / Open	X		
EW-N-1	08/15/00	Extraction	North Area	27.0	27.0	5.2	26.0	750198.77	1149956.96	529.28	Stainless / PVC		X	
EW-N-2	08/23/00	Extraction	North Area	27.0	27.0	5.5	26.0	750225.81	1149942.16	528.76	Stainless / PVC		X	
EW-N-3	08/22/00	Extraction	North Area	26.8	26.8	5.2	25.8	750217.16	1149980.06	528.69	Stainless / PVC		X	
EW-N-4	08/23/00	Extraction	North Area	26.0	26.0	7.2	25.0	750259.43	1149928.84	529.32	Stainless / PVC		X	
EW-N-5	08/16/00	Extraction	North Area	27.0	27.0	5.5	26.0	750257.98	1149972.33	528.26	Stainless / PVC		X	
EW-N-6	08/18/00	Extraction	North Area	25.5	25.0	6.1	24.0	750293.49	1149957.98	529.18	Stainless / PVC		X	
EW-S-1S	10/01/98	Extraction	South Area	14.0	13.7	4.3	13.7	750332.80	1149428.08	529.41	Stainless		X	
EW-S-1D	10/01/98	Extraction	South Area	18.3	18.3	4.3	17.9	750327.22	1149428.49	529.41	Stainless		X	
EW-S-2	07/26/00	Extraction	South Area	23.1	22.0	5.5	21.0	750256.26	1149404.38	528.68	Stainless / PVC		X	
EW-S-3	07/28/00	Extraction	South Area	23.5	22.0	5.5	21.0	750301.18	1149370.46	529.55	Stainless / PVC		X	
EW-S-4	07/26/00	Extraction	South Area	23.5	22.0	5.5	21.0	750293.94	1149418.71	532.41	Stainless / PVC		X	
EW-S-5	08/01/00	Extraction	South Area	23.5	22.5	5.8	21.5	750325.14	1149386.52	529.53	Stainless / PVC		X	
EW-S-6	07/31/00	Extraction	South Area	22.9	22.4	5.9	20.9	750341.87	1149362.58	529.27	Stainless / PVC		X	
EW-S-7	08/07/00	Extraction	South Area	23.1	22.5	5.9	21.6	750339.03	1149413.8	529.59	Stainless / PVC		X	
EW-S-8	08/02/00	Extraction	South Area	23.0	22.5	5.8	21.5	750359.86	1149402.69	529.65	Stainless / PVC		X	
EW-S-9	08/03/00	Extraction	South Area	23.0	22.5	6.0	21.5	750355.07	1149440.13	532.99	Stainless / PVC		X	

Appendix E
Well Construction Information

Quarterly Progress Report
Third Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

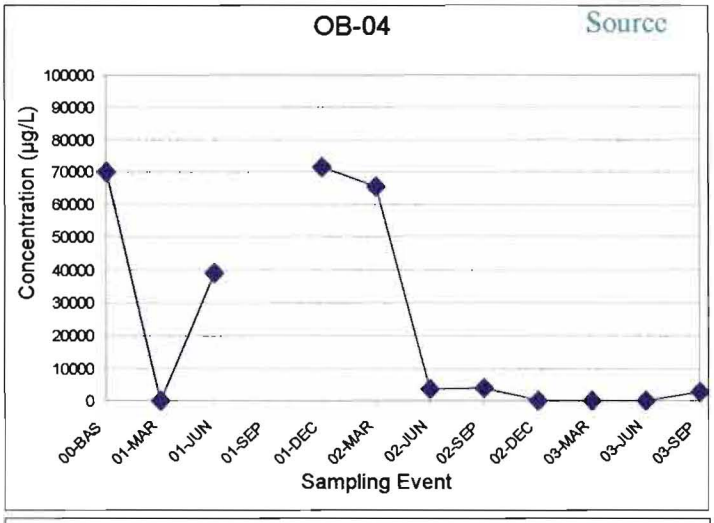
						Screen Interval		Survey Coordinates			Well Material	Completion		
Well ID	Date Installed	Well Purpose/Type	Well Location	Boring Depth	Well Depth	Top	Bottom	Easting	Northing	Elevation	Riser/Screen	Flush-mount	Vault	Stick-up
EW-S-10	08/09/00	Extraction	South Area	22.6	22.5	6.0	21.5	750381.30	1149367.65	529.43	Stainless / PVC		X	
EW-S-11	08/08/00	Extraction	South Area	22.6	22.5	5.9	22.0	750377.04	1149418.02	529.50	Stainless / PVC		X	
EW-S-12	08/04/00	Extraction	South Area	22.3	22.3	5.8	21.3	750375.38	1149466.45	529.96	Stainless / PVC		X	
EW-S-13	08/10/00	Extraction	South Area	22.0	22.0	6.0	21.0	750399.16	1149448.68	529.53	Stainless / PVC		X	
EW-S-14	08/11/00	Extraction	South Area	22.0	22.0	5.6	21.0	750406.59	1149410.24	529.37	Stainless / PVC		X	
EW-S-15	08/14/00	Extraction	South Area	22.0	21.8	5.2	20.8	750414.78	1149480.34	529.96	Stainless / PVC		X	
EW-S-16	08/10/00	Extraction	South Area	21.3	21.3	5.2	20.3	750433.72	1149448.95	529.57	Stainless / PVC		X	
BREW-S-1	08/03/00	Extraction	South Area	61.8	61.8	26.6	56.4	750368.27	1149458.11	533.67	Stainless / PVC		X	
BREW-N-1	08/17/00	Extraction	North Area	75.8	75.8	25.8	70.3	750253.53	1150013.88	531.68	Stainless / PVC		X	
OB-04	09/05/97	Monitor	South Source	17.5	17.5	2.5	17.5	750329.65	1149422.19	532.80	PVC	X		
OB-05	09/05/97	Monitor	North Source	18.0	18.0	4.0	18.0	750223.51	1149958.83	531.50	PVC	X		
OB-06	07/19/00	Monitor	South Source	17.0	17.0	6.8	16.8	750421.89	1149461.50	532.60	PVC	X		
OB-07	07/19/00	Monitor	South Plume	20.5	20.5	10.2	20.2	750461.13	1149512.60	533.03	PVC	X		
OB-08	07/28/00	Monitor	North Source	25.5	25.3	15.3	25.1	750279.00	1149957.45	531.64	PVC	X		
OB-09	07/28/00	Monitor	North Plume	23.5	23.3	13.3	23.1	750312.26	1149992.94	531.85	PVC	X		
TW-01	03/12/96	Monitor	Perimeter	22.0	22.0	17.0	22.0	750548.13	1149471.23	533.30	PVC	X		
TW-04	03/15/96	Monitor	Perimeter	17.5	17.3	12.3	17.3	750552.18	1149648.54	536.34	PVC			X
TW-07	03/15/96	Monitor	Perimeter	17.5	17.5	12.5	17.5	750546.69	1149830.01	532.55	PVC	X		
TW-09	03/30/96	Monitor	Perimeter	16.0	16.0	11.0	16.0	750542.22	1149971.84	532.30	PVC	X		
TW-13	03/12/96	Monitor	Upgradient	15.0	15.0	10.0	15.0	750086.24	1150016.03	531.69	PVC	X		
TW-17	03/13/96	Monitor	Perimeter	15.0	15.0	10.0	15.0	750373.39	1150088.34	531.86	PVC			X
TW-20	03/13/96	Monitor	Perimeter	15.0	15.0	10.0	15.0	750547.88	1150118.75	532.42	PVC			X
TW-74	04/09/96	Monitor	Mid-Plume	15.0	15.0	7.5	15.0	750407.92	1149841.78	531.96	PVC	X		
W-1	09/16/82	Monitor	Perimeter	14.0	14.0	7.0	13.9	750490.21	1149147.95	534.10	PVC			X
W-2	09/15/82	Monitor	Background	21.0	18.0	13.0	18.0	749940.43	1149136.77	539.10	PVC			X
W-3	09/16/82	Monitor	Upgradient	24.0	17.0	16.0	21.0	750168.37	1149794.82	533.00	PVC	X		
W-4	09/22/82	Monitor	Upgradient	29.0	26.0	21.0	26.0	749977.63	1149996.42	533.12	PVC			X
W-5	09/15/82	Monitor	Perimeter	24.0	20.5	15.5	20.5	750248.88	1150056.27	531.52	PVC	X		
W-6	09/15/82	Monitor	Upgradient	16.5	15.0	13.0	15.0	750288.78	1149332.79	532.66	PVC	X		

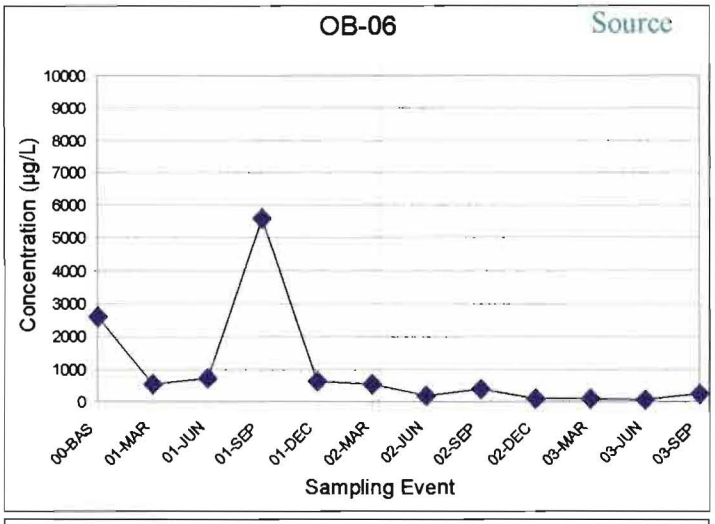
APPENDIX F

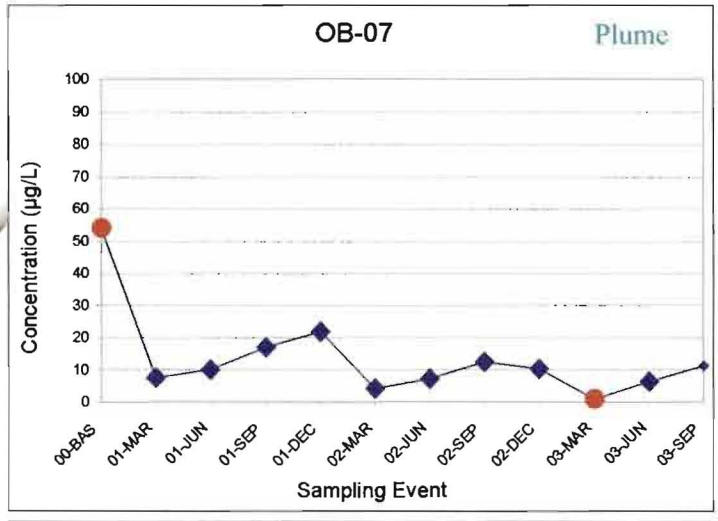
MONITOR WELL CONCENTRATION TREND GRAPHS

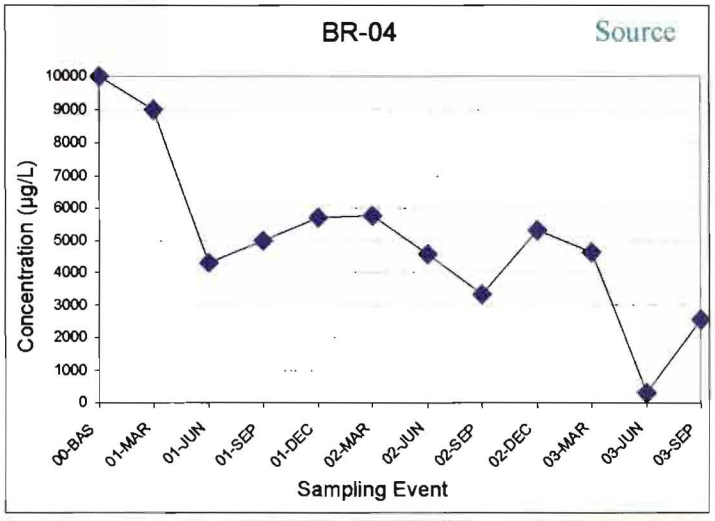
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

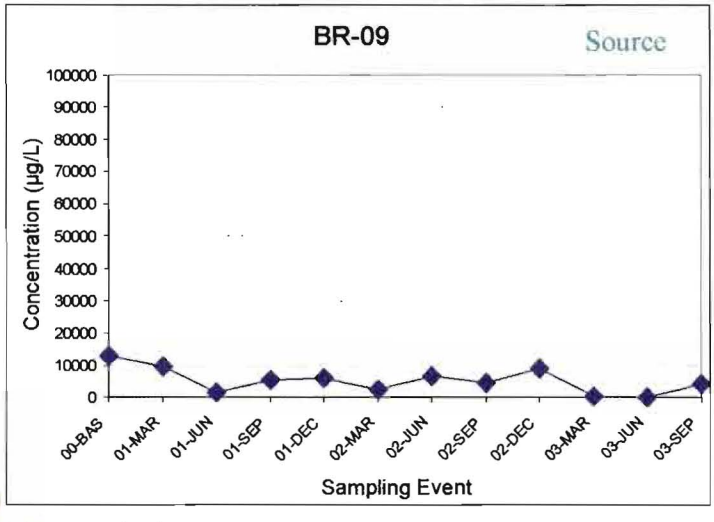
South TCE Area

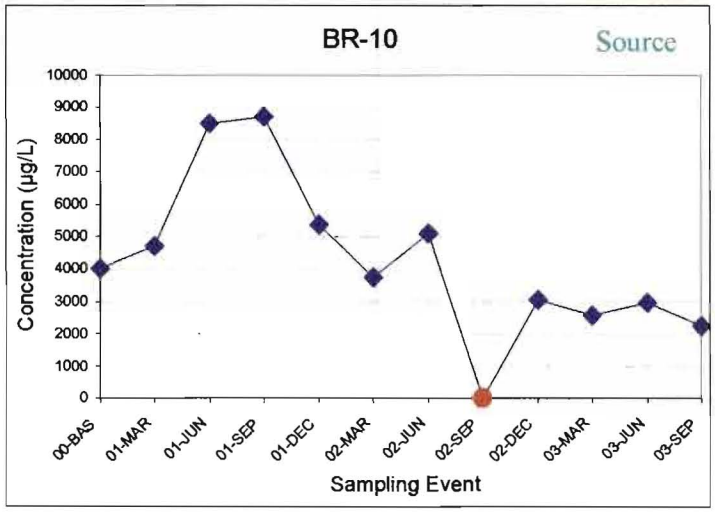








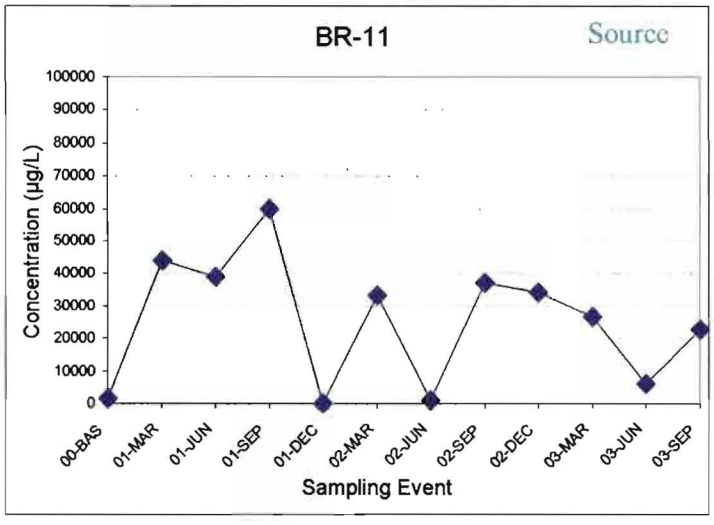


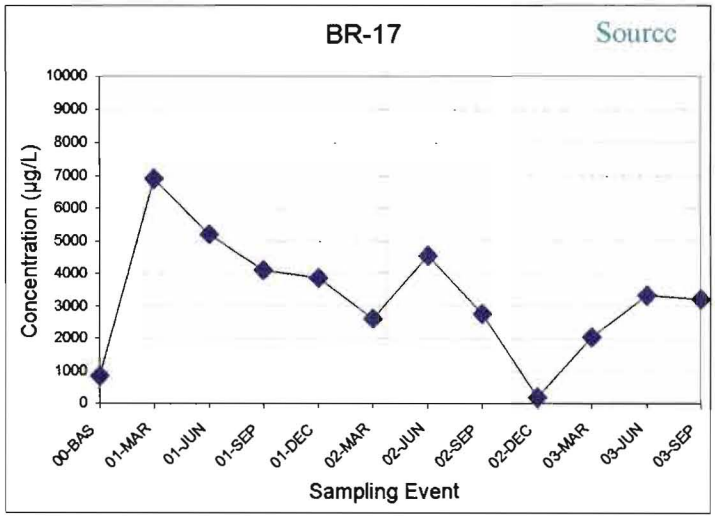


◆ = actual value
● = value below graphed detection limit

Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

South TCE Area





◆ = actual value
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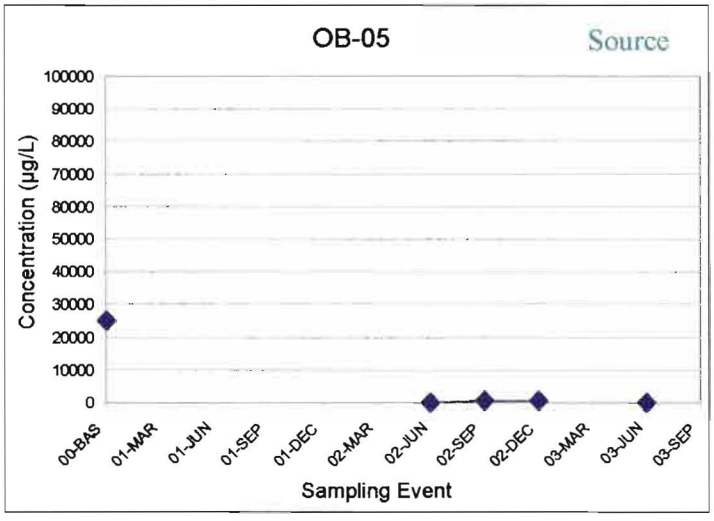
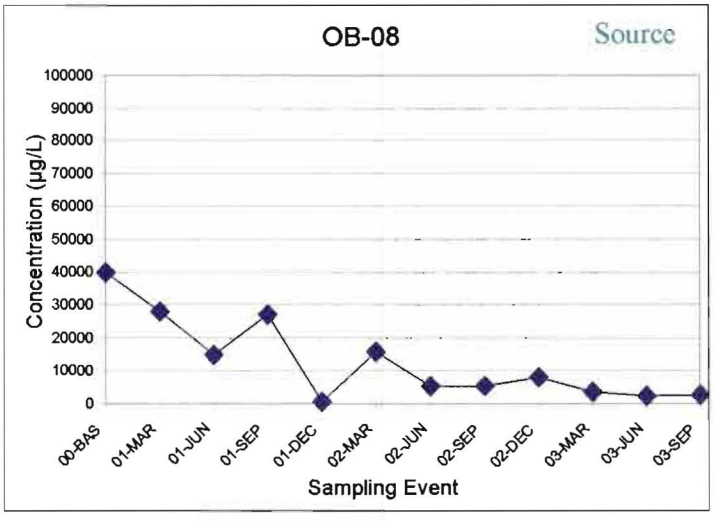
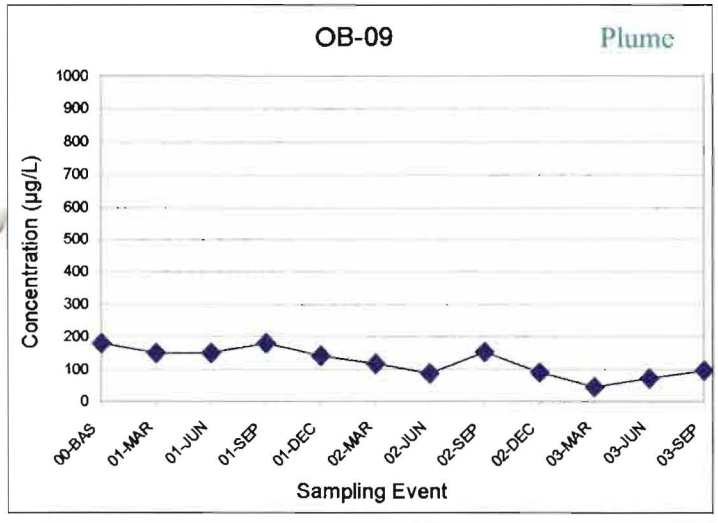
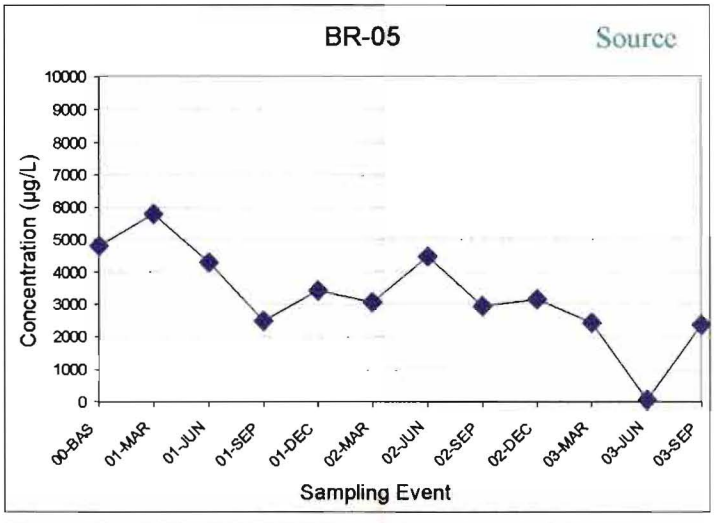
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

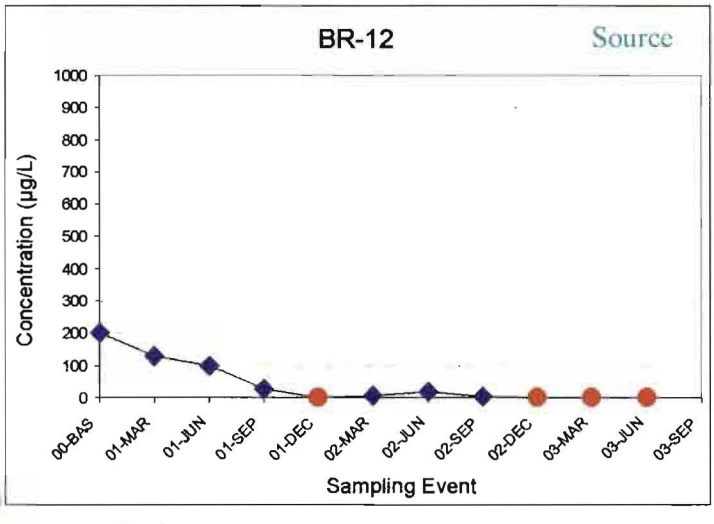
North TCE Area

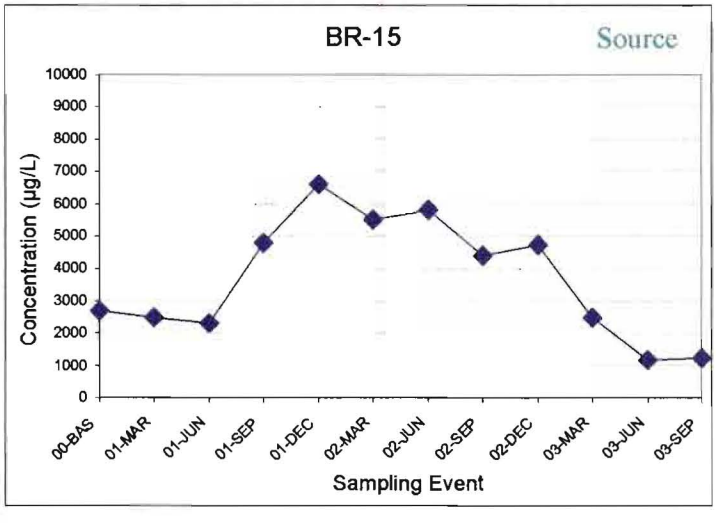












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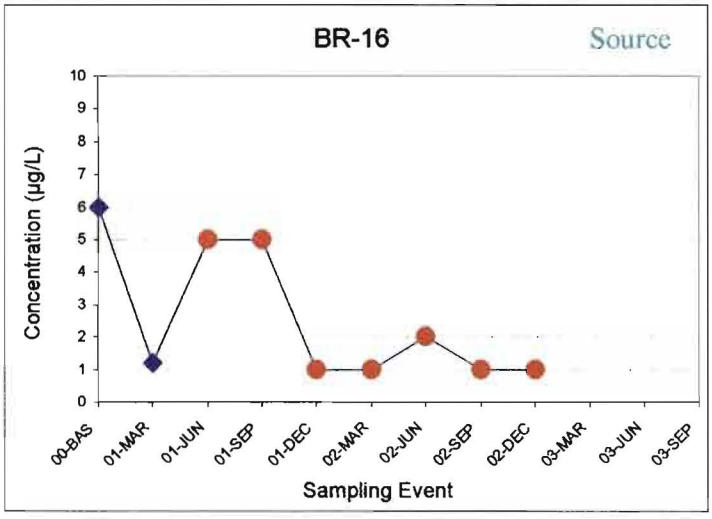
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

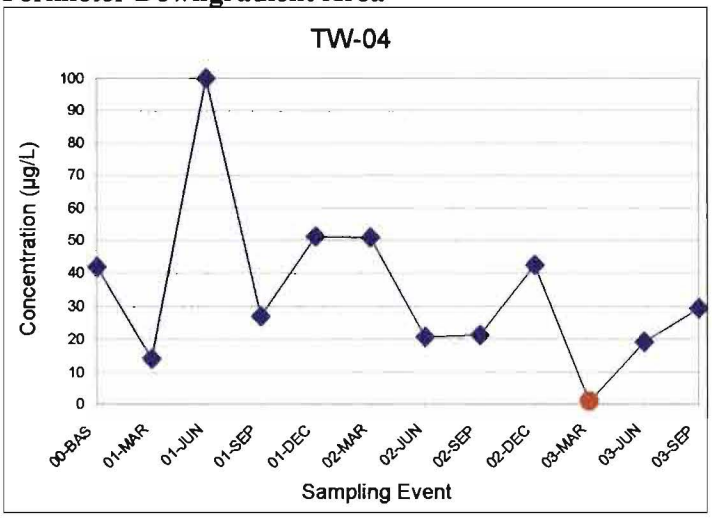
North TCE Area

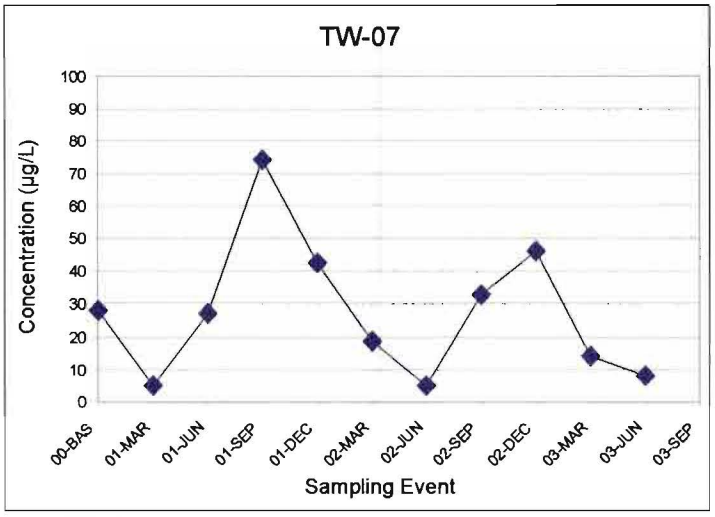


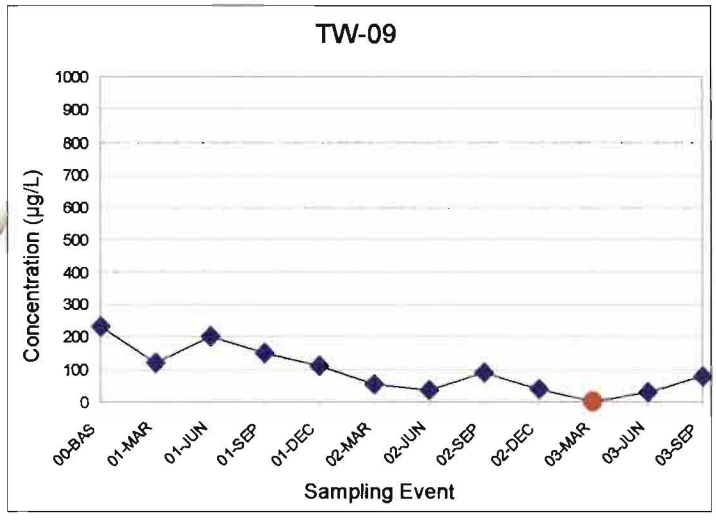
◆ = actual value
● = value below graphed detection limit

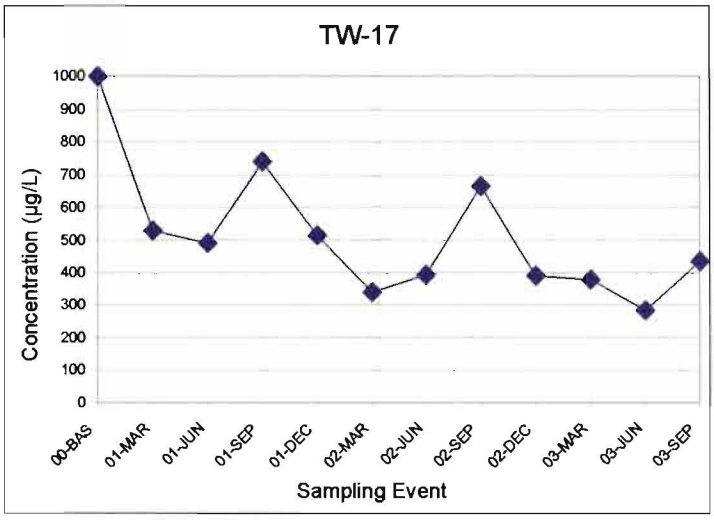
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

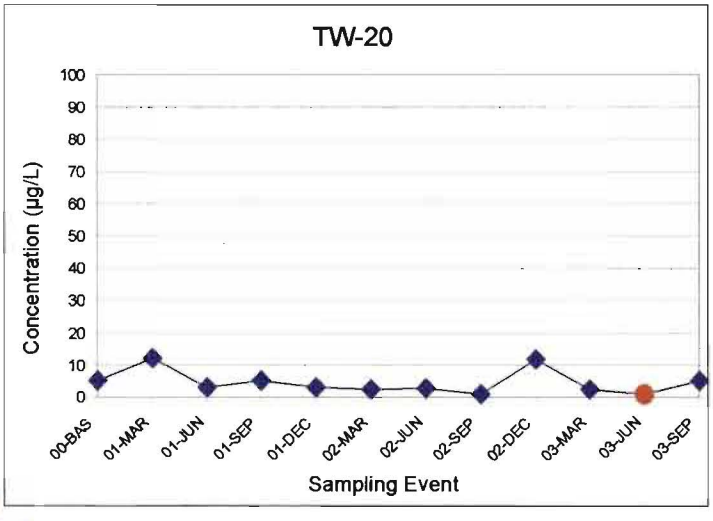
Perimeter Downgradient Area

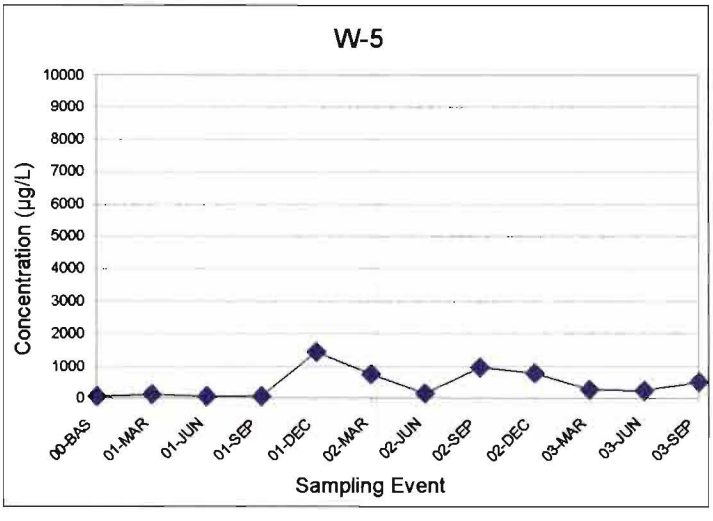












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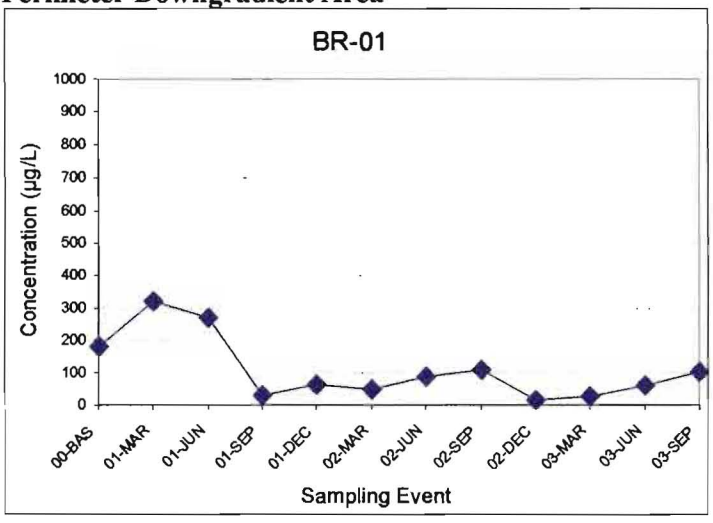
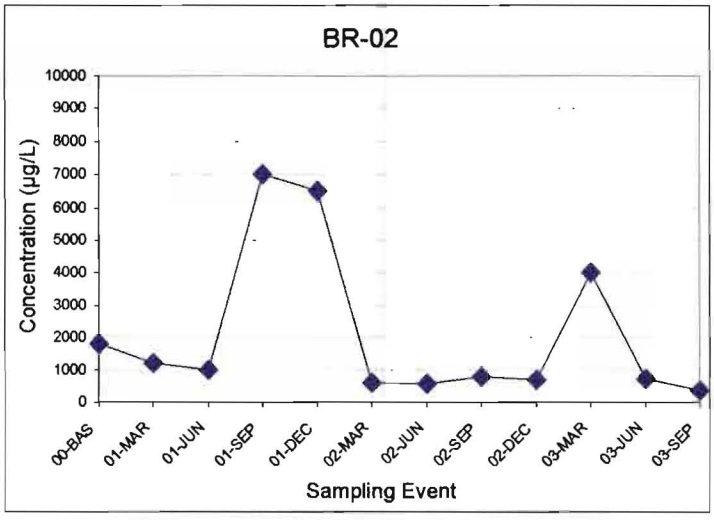
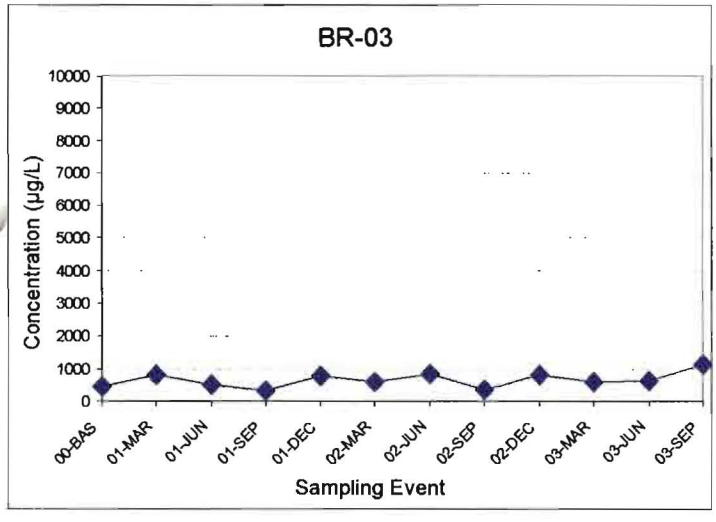
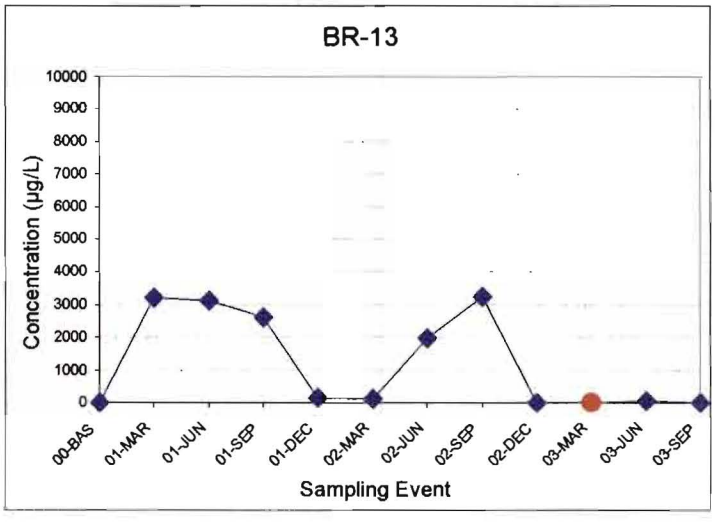
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

Perimeter Downgradient Area





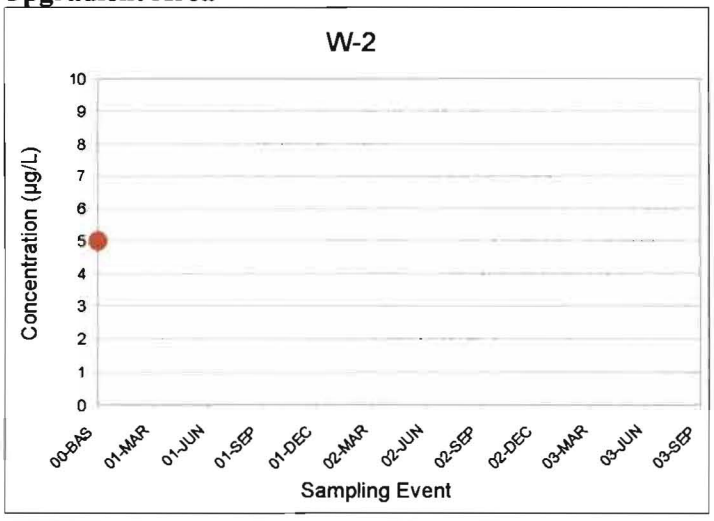


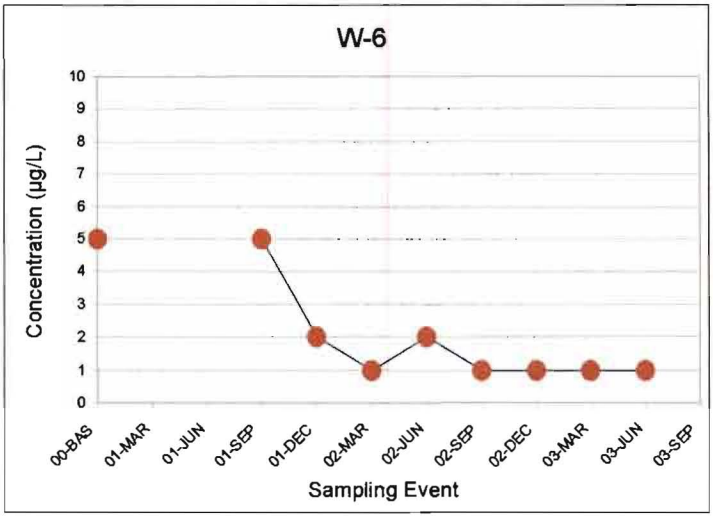


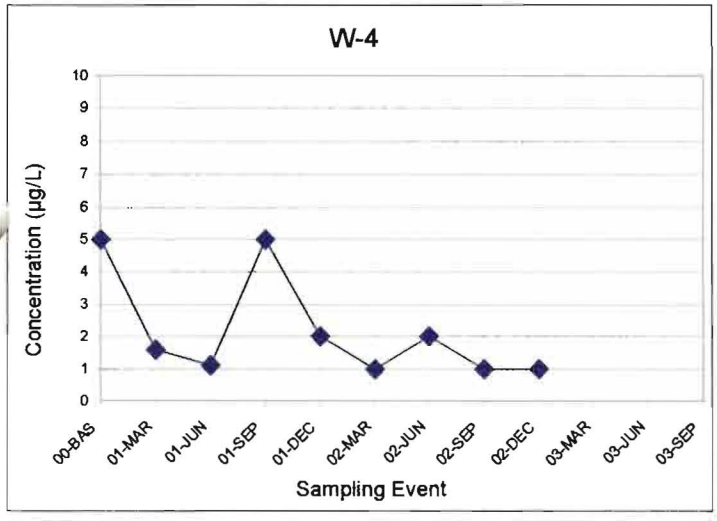
◆ = actual value
● = value below graphed detection limit

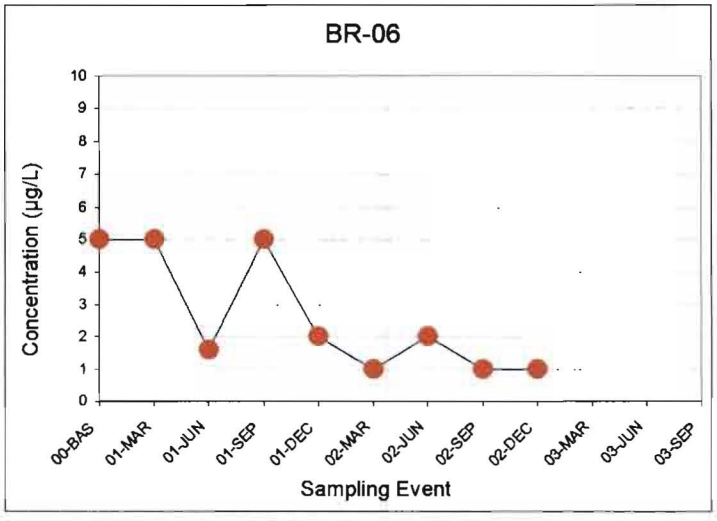
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

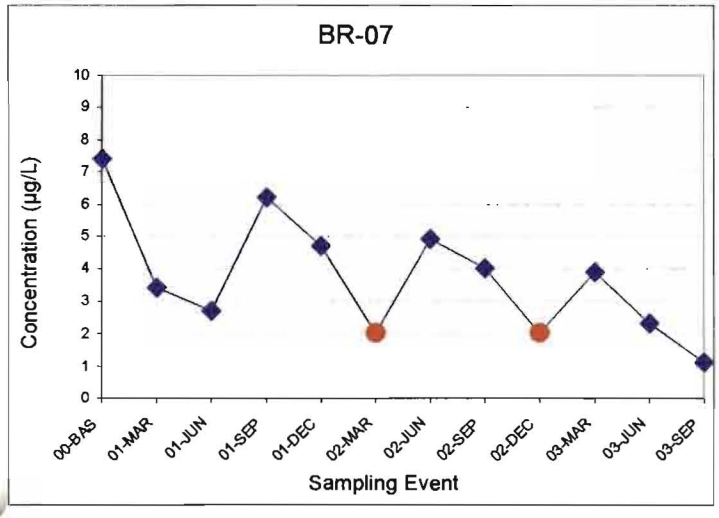
Upgradient Area

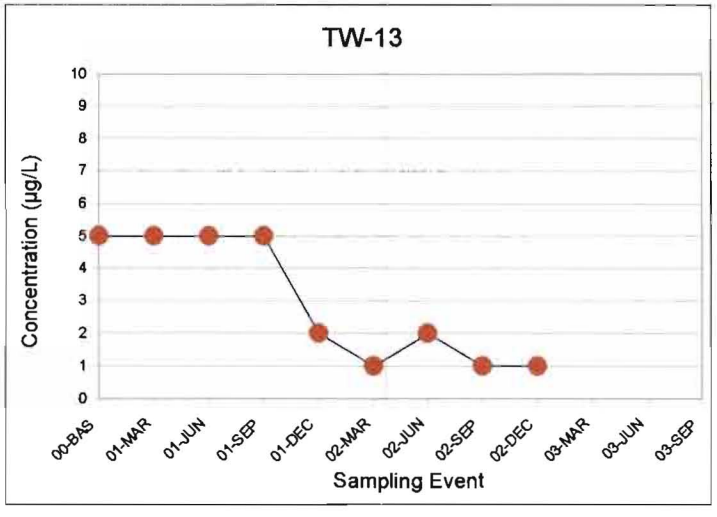








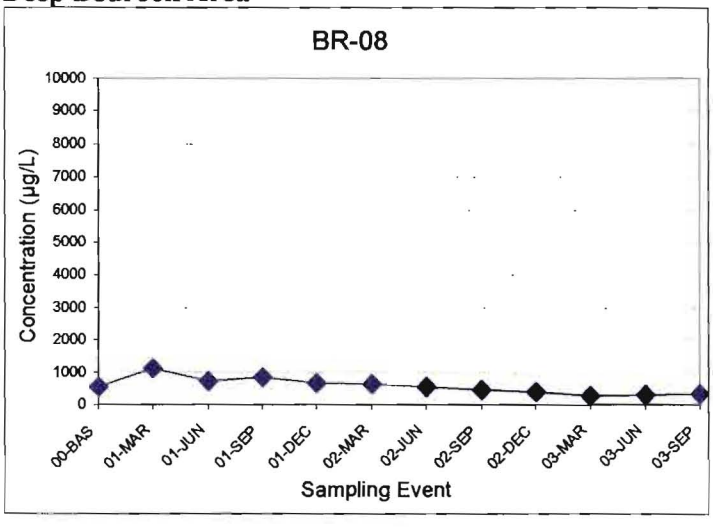


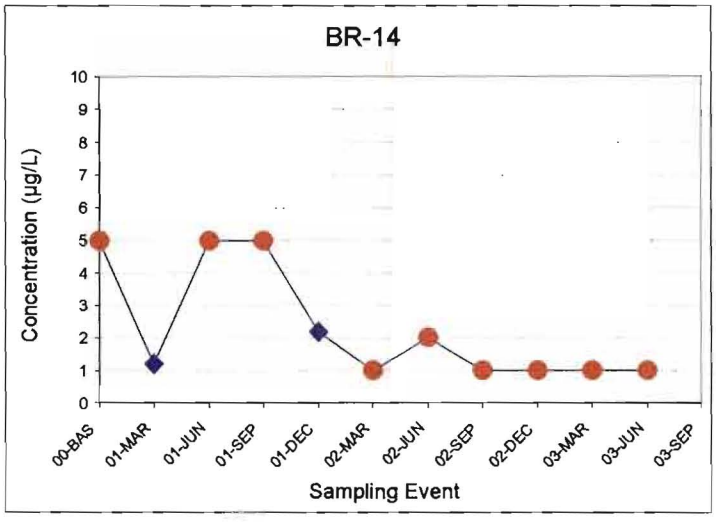


◆ = actual value
● = value below graphed detection limit

Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

Deep Bedrock Area





◆ = actual value
● = value below graphed detection limit