MACTEC

February 13, 2004

Mr. Bart Putzig, P.E.
Regional Hazardous Waste Remediation Engineer
New York State Department of Environmental Conservation
Region 8 – Division of Environmental Remediation
Avon, NY 14414

Subject: Quarterly Progress Report Fourth Quarter 2003
Voluntary Cleanup Agreement (VCA) Index B8-0508-97-02
Former Taylor Instruments Facility
Rochester, New York

Dear Mr. Putzig:

In accordance with Section X.I.B. of the Taylor Instruments Site Voluntary Cleanup Agreement, enclosed please find four copies (one is unbound) of the *Quarterly Progress Report Fourth Quarter 2003.*

Should you have any questions, please call me at (865) 531-1922.

Sincerely,

MACTEC Engineering & Consulting, Inc.

Ricky A. Ryan, P.E.
Senior Principal Project Manager
[566]
Enclosures

cc: David Pratt, NYSDEC (w/o enclosure)
Joseph Albert, MCDOH (w/o enclosure)
Mark Van Valkenburg, NYSDOH (w/o enclosure)
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QUARTERLY PROGRESS REPORT FOURTH QUARTER 2003 AND REMEDIAL PROGRESS EVALUATION

FORMER TAYLOR INSTRUMENTS SITE ROCHESTER, NEW YORK

PREPARED FOR:

COMBUSTION ENGINEERING
501 MERRITT 7
NORWALK, CONNECTICUT 06851

PREPARED BY:

MACTEC ENGINEERING AND CONSULTING, INC.
1431 CENTERPOINT BOULEVARD, SUITE 150
KNOXVILLE, TENNESSEE 37932

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Fourth Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

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LIST OF TABLES

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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 fourth 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 fourth quarterly sampling event for 2003 was conducted in December. A summary of the quarterly sampling event results for 2001 and 2002, and quarters one, two and three 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 38.9 million gallons of groundwater have been extracted and treated, resulting in the removal of 3,071 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 DECEMBER 2003 QUARTERLY SAMPLING EVENT

MACTEC Engineering and Consulting, Inc. (MACTEC) personnel performed the December sampling event to provide an inclusive set of groundwater analytical data for the fourth quarterly period of 2003. Forty-two samples were collected and submitted to Test America, Incorporated (Table 2-1) for volatile organic analyses by U.S. Environmental Protection Agency (EPA) Method 8260B. No samples were collected for natural biodegradation parameters during the fourth quarterly sampling event based on the recommendations provided in the Quarterly Progress Report Fourth Quarter 2002 and 2-Year Progress Evaluation (MACTEC, 2003). Thirty 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 via telemetry. Key operational data and alarms are accessed through the programmable logic controller via phone line which allows MACTEC personnel in Knoxville, 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:

- Monthly
  - Collecting System operational data including line pressures, equipment runtime, flow rates, vacuum levels, and other pertinent data.

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

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

Sample ID	Sample Date	VOCs[1] Analysis	Description
QATB01	12/09/03	X	Trip Blank
QAFB01	12/09/03	X	Field Blank
QARB01	12/09/03	X	Rinsate Blank
W-2	12/09/03	X	Environmental Sample
BR-06	12/09/03	X	Environmental Sample
TW-04	12/09/03	X	Environmental Sample
TW-17	12/09/03	X	Environmental Sample
TW-20	12/10/03	X	Environmental Sample
TW-07	12/10/03	X	Environmental Sample
TW-09	12/10/03	X	Environmental Sample
OB-09	12/10/03	X	Environmental Sample
OB-07	12/10/03	X	Environmental Sample
OB-07 (MS)	12/10/03	X	Matrix Spike
OB-07 (MSD)	12/10/03	X	Matrix Spike Duplicate
W-5	12/11/03	X	Environmental Sample
W-5 (DUP)	12/11/03	X	Duplicate
OB-06	12/11/03	X	Environmental Sample
BR-08	12/11/03	X	Environmental Sample
BR-17	12/11/03	X	Environmental Sample
BR-03	12/12/03	X	Environmental Sample
BR-14	12/12/03	X	Environmental Sample
BR-01	12/12/03	X	Environmental Sample
BR-02	12/12/03	X	Environmental Sample
BR-07	12/12/03	X	Environmental Sample
BR-07 (DUP)	12/12/03	X	Duplicate
BR-12	12/12/03	X	Environmental Sample
BR-12 (MS)	12/12/03	X	Matrix Spike
BR-12 (MSD)	12/12/03	X	Matrix Spike Duplicate
QATB02	12/13/03	X	Trip Blank
QAFB02	12/13/03	X	Field Blank
QARB02	12/13/03	X	Rinsate Blank

See notes at end of table.

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

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

Sample ID	Sample Date	VOCs[1] Analysis	Description
BR-13	12/13/03	X	Environmental Sample
W-6	12/11/03	X	Environmental Sample
BR-15	12/13/03	X	Environmental Sample
BR-10	12/13/03	X	Environmental Sample
OB-04	12/14/03	X	Environmental Sample
BR-04	12/14/03	X	Environmental Sample
BR-05	12/14/03	X	Environmental Sample
BR-09	12/15/03	X	Environmental Sample
OB-08	12/15/03	X	Environmental Sample
BR-11	12/15/03	X	Environmental Sample
OB-05	12/14/03	X	Environmental Sample

[1] VOCs analyzed by Method 8260B.

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

Prepared by J. Peevler on 01/07/04

Checked by L. Barrentine on 01/22/04

- 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 December 2003. Also included is a discussion of contaminant trends from the baseline event (November/ December 2000) through twelve quarterly events.

The wells sampled during the fourth quarterly (December 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 December 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, 2001, 2002, and 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 have continued to decrease in December 2003 from the highest results reported during baseline or post baseline sampling events, resulting in overall declines of 99 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 2003 Sampling Events

Quarterly Progress Report
Fourth 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)
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-04	12/14/03	23.3	3	--	--	--
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-05	12/14/03	135	2.6	--	--	--
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	--	--	--
OB-06	12/11/03	60	1	--	--	--

See notes at end of table.

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

Quarterly Progress Report
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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)
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-07	12/10/03	10.7	--	--	--	--
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-08	12/15/03	1,360	10.8	1.5	--	--
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	--	--	--
OB-09	12/10/03	61.1	3.7	--	--	--

See notes at end of table.

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

Quarterly Progress Report
Fourth 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]	06/03	NS	NS	NS	NS	NS
TW-01[1]	09/03	NS	NS	NS	NS	NS
TW-01[1]	12/03	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-04	12/09/03	49.8	1.1	--	--	--
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	--	--
TW-07	12/10/03	21	2.9	6	--	--

See notes at end of table.

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

Quarterly Progress Report
Fourth 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-09	12/10/03	36.8	1.2	--	--	--
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-13[4]	12/03	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	--	--	--	--
TW-17	12/09/03	441	--	--	--	--

See notes at end of table.

Table 3-2 (Continued)
Summary of Overburden VOC Results for the Baseline, 2001, 2002, and 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)
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	--	--	--	--
TW-20	12/10/03	14.8	--	--	--	--
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[1]	03/03	NS	NS	NS	NS	NS
W-2[1]	06/03	NS	NS	NS	NS	NS
W-2[3]	09/03	NS	NS	NS	NS	NS
W-2	12/09/03	--	--	--	--	--
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
W-4[4]	12/03	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 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)
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-5	12/11/03	550	127	3.5	--	--
W-5 (DUP)	12/11/03	520	118	3.4	--	--
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	--	--	--
W-6	12/11/03	1.7	4.6	--	--	--

See notes at end of table.

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

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[1] Will not be sampled during quarterly events.

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

[3] 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 recommendations made in the *Quarterly Progress Report, Fourth Quarter 2002 and 2-Year Progress Evaluation*, March (MACTEC, 2003).

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

Prepared by J. Peevler on 01/07/04

Checked by L. Barrentine on 01/22/04

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

Quarterly Progress Report
Fourth 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-01	12/12/03	127	61.7	20.6	--	--
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-02	12/12/03	324	58.2	18.2	--	--
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	--
BR-03	12/12/03	--	--	--	--	--

See notes at end of table.

Table 3-3 (Continued)
Summary of Bedrock VOC Results for the Baseline, 2001, 2002, and 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)
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-04	12/14/03	3,650	507	51.9	6.2	14.3
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-05	12/14/03	1.2	3.7	--	--	--
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
BR-06[1]	12/09/03	--	--	--	--	--

See notes at end of table.

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

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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-07	12/12/03	--	13.7	8.5	--	46
BR-07 (DUP)	12/12/03	NA[3]	NA[3]	NA[3]	NA[3]	NA[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	--	--
BR-08 (Deep)	12/11/03	384	345	42	2.2	7.3

See notes at end of table.

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

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Fourth 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-09	12/15/03	1.7	199	1.5	--	--
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-10	12/13/03	1,420	442	36.4	1.4	8.8
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
BR-11	12/15/03	17.6	320	60.2	1.9	39

See notes at end of table.

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

Quarterly Progress Report
Fourth 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-12	12/12/03	--	2.2	--	--	--
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-13	12/13/03	--	--	--	--	--
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	--	--	--	--	--
BR-14 (Deep)	12/12/03	148	17.6	--	--	--

See notes at end of table.

Table 3-3 (Continued)
Summary of Bedrock VOC Results for the Baseline, 2001, 2002, and 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)
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-15	12/13/03	2,000	194	24.9	2.8	--
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-16[2]	12/03	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
BR-17	12/11/03	5,360	216	49.9	3.9	66.7

See notes at end of table.

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

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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 recommendations made in the *Quarterly Progress Report, Fourth Quarter 2002 and 2-Year Progress Evaluation*, March (MACTEC, 2003).

[3] Laboratory problem resulted in sample exceeding hold time.

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
NA = not available
TCE = trichloroethylene
trans-1,2-DCE = trans-1,2-dichloroethylene
VOC = volatile organic compound

Prepared by J. Peevler on 01/07/04

Checked by L. Barrentine on 01/22/04

Table 3-4
Decline of TCE Concentrations Over Time

Quarterly Progress Report
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Former Taylor Instruments Site
Rochester, New York

Well ID[1]	Area	High (ppb) BL/ Post BL	December 2003 Result	% Decline[3]
Source Area Monitor Wells				
OB-04	South	71,500	23.3	99
OB-06	South	5,600	60	99
OB-05	North	25,000	135	99
OB-08	North	40,000	1,360	97
BR-04	South	10,000	3,650	64
BR-09	South	13,000	1.7	99
BR-10	South	8,700	1,420	84
BR-11	South	60,000	17.6	99
BR-17	South	6,900	5,360	22
BR-05	North	5,800	1.2	99
BR-12	North	200	1 U	99
BR-15	North	6,590	2,000	70
BR-08 (deep)	South	1,100	384	65
BR-14 (deep)	North	2.2	148	(66)
Plume Monitor Wells				
OB-07	South	21.8	10.7	51
OB-09	North	180	61.1	66
Perimeter Monitor Wells				
TW-04	South	51.1	49.8	3
TW-07	South	74	21	72
TW-17	North	1,000	441	56
TW-20	Between	12	14.8	(23)
TW-09	Between	230	36.8	84
BR-02	South	7,000	324	95
BR-03	South	854	1 U	99
BR-01	North	320	127	60
BR-13	North	3,240	1 U	99
BR-07	North	7.4	1 U	99
W-5	North	1,435	550	62

[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 (June 2003) to the highest BL/Post BL value.

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

Prepared by J. Peevler on 01/07/04

Checked by L. Barrentine on 01/22/04

Monitor Well OB-07 reported TCE concentrations of 10.7 µg/L and no detections of daughter products in December 2003 event resulting in an overall decline of 51 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 Wells OB-05 and OB-08 have continued to show decreases in TCE concentrations during the December 2003 event. Overall declines in these concentrations are 99 and 97 percent, respectively (Table 3-4). Monitor well OB-09 also continued to show declining TCE concentrations during the December 2003 event with a 66 percent decrease overall (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, BR-10, and BR-11 have continued to decrease in December 2003. The overall decline in these concentrations are 64, 99, 84, and 99 percent, respectively (Table 3-4).

TCE concentrations in monitor well BR-17 increased from 3,200 µg/L in September 2003 to 5,360 µg/L in December 2003, but still remain below the highest reported value of 6,900 µg/L since the baseline event resulting in an overall decline of 22 percent (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 December 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 wells BR-05 and BR-12 have continued to show decreases in TCE concentration in December 2003. The percent decline in these concentrations are 99 for each well (Table 3-4).

TCE concentrations in monitor well BR-15 increased from 1,230 µg/L in September 2003 to 2,000 µg/L in December 2003, but still remain below the highest reported value of 6,590 µg/L since the baseline event resulting in an overall decline of 70 percent (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 is sampled annually beginning with the December 2003 sampling event.

TCE concentrations for W-2 were nondetectable, as has been the case since the baseline sampling event. In W-6, TCE was detected at 1.7 µg/L and cis-1,2-dichloroethylene (cis-1,2-DCE) was detected at 4.6 µg/L.

Monitor well W-4 is located west of the source areas 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 were nondetectable for all 2001 and 2002 sampling events, as well as the baseline event. Therefore, TW-13 has not been sampled during the 2003 sampling 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 source areas. BR-06 is considered a background well and is sampled annually beginning with the December 2003 sampling event. No TCE was detected in BR-06 during the December 2003 sampling event. In BR-07, TCE was at nondetectable levels during the December 2003 event showing 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 positive reductions in TCE concentrations. As shown in Table 3-4, TCE concentrations for monitor wells TW-04, TW-09, TW-17, and W-5 have declined by 3, 84, 56, and 62 percent, respectively (Table 3-4).

Monitor well TW-20 had an increase of TCE from 5 µg/L in September 2003 to 14.8 µg/L in December 2003, an increase of 23 percent from the baseline event.

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 increased in BR-01 in December 2003. BR-01 concentrations increased from 102 µg/L (September 2003) to 127 µg/L (December 2003). However, concentrations still remain below the highest reported since the baseline event, resulting in an overall decline of 60 percent (Table 3-4). Concentrations in BR-02 continued to decrease resulting in an overall decline in TCE concentrations of 95 percent (Table 3-4). TCE concentrations in monitor wells BR-03 and BR-13 were at non-detectable levels during the December 2003 event.

Deep Bedrock Monitor Wells

TCE concentrations for the deep bedrock monitor wells BR-08 (South TCE Source Area) increased slightly in December 2003 but remained below the concentrations during the baseline event. The overall decrease is 65 percent. TCE was detected in monitor well BR-14 (North TCE Source Area) at 148 µg/L which represents an increase of 66 percent from the baseline event (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 December 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 December 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

Natural biodegradation samples were not taken during the December 2003 event based on recommendations provided in the Quarterly Progress Report Fourth Quarter 2002 and 2-Year Progress Evaluation (MACTEC, 2003). Although these samples were not collected, TCE daughter products have continued to be detected in on-site monitor wells, which is an indication of natural biodegradation.

3.6 TREATMENT SYSTEM QUARTERLY PERFORMANCE

The System was fully operational on January 6, 2001. Since then, it has operated 93.3 percent of available hours through December 2003. The System operated 84.5 percent of available hours during the fourth quarter of operation in 2003. The downtime was due to normal O&M activities and an instrumentation problem that caused the system to shutdown for approximately one week. Table 3-5 provides a summary of quarterly System operational data. The System is currently extracting soil vapor and groundwater 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 38.9 million gallons of groundwater through December 2003.

During the fourth quarter of operation in 2003, 2.9 million gallons of groundwater was extracted with an average flow rate of 26 gallons per minute, and a total of 71 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 41,735 gallons of water removed. A total of 3,071 pounds of contaminants have been removed since startup of the System. The majority of VOCs are removed from the overburden through

Table 3-5
System Operational Summary,
January 2001 – December 2003

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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 3-5 (Continued)
System Operational Summary,
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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
System Up-time (%)	95.8	99.9	70	84.5

See notes at end of table.

Table 3-5 (Continued)
System Operational Summary,
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Parameter	2003			
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Average System Vacuum[1]				
South Source Area (in. Hg)	22	21.5	21.5	20
North Source Area (in. Hg)	20	21	19	19
Average System Groundwater Flowrates[2]				
Total System (gpm)	23	25	24	26
Dual Phase Extraction (gpm)	8	9	8	9
Bedrock Extraction (gpm)	15	16	16	17
Average System Vapor Flowrates[1]				
Dual Phase Extraction South Source Area (CFM)	114	103	103	104
Dual Phase Extraction North Source Area (CFM)	102	97	113	103
System Mass Removal Rate (lbs./hr)[3]	0.02	0.02	0.01	0.01
System Mass Removed (lbs.)[3]	95	129	82	71
Cumulative Mass Removed (lbs.)[3]	2,789	2,918	3,000	3,071
Air Stripper Removal Efficiency (%)[3]	99.8	99.9	99.8	99.8
Quarterly Groundwater Recovered (gallons)[2]	2,960,081	3,331,381	2,246,547	2,963,219
Cumulative Groundwater Recovered (gallons)[2]	30,349,954	33,681,335	35,927,882	38,891,101
Gallons to Remove 1 Pound of VOC[3]	31,159	25,824	27,397	41,735

[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 01/12/04

Checked by L. Barrentine on 01/22/04

the vapor phase and stripped from groundwater during the vacuum extraction process. Table 3-6 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 fourth quarter of operation in 2003. Overall, the mass 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 TW-20 and BR-14.

As discussed above, the System has operated successfully since January 2001 maintaining a 93.3 percent operational rate during the three-year period. Since that time, 38.9 million gallons of groundwater have been extracted and treated. A total of 3,071 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, which was discussed in detail in Sections 3.1 through 3.4, 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.

Table 3-6
System Analytical Data,
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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
	10/16/2003	<1.0	<1.0	35.00	<1.0
	11/13/2003	<1.0	<1.0	31.00	<1.0
	12/23/2003			Vacuum pump down	

See notes at end of table.

Table 3-6 (Continued)
System Analytical Data,
January 2001 – December 2003

Quarterly Progress Report
Fourth 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
	10/16/2003	<1.0	<1.0	37.00	<1.0
	11/13/2003	<1.0	<1.0	45.00	<1.0
	12/23/2003	<1.0	<1.0	47.00	<1.0

See notes at end of table.

Table 3-6 (Continued)
System Analytical Data,
January 2001 – December 2003

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Fourth Quarter 2003 and Remedial Progress Evaluation
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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
	10/16/2003	<1.0	<1.0	15.00	<1.0
	11/13/2003	<1.0	<1.0	9.20	<1.0
	12/23/2003	<1.0	<1.0	10.00	<1.0

See notes at end of table.

Table 3-6 (Continued)
System Analytical Data,
January 2001 – December 2003

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Former Taylor Instruments Site
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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)			
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
	10/16/2003	3.10	<1.0	14	<1.0
	11/13/2003	2.90	<1.0	16	<1.0
	12/23/2003	4.40	<1.0	27	<1.0

See notes at end of table.

Table 3-6 (Continued)
System Analytical Data,
January 2001 – December 2003

Quarterly Progress Report
Fourth 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
	9/29/03	310.00	7.40	1,750.00	6.20
	10/16/03	415.00	13.70	2,250.00	6.40
	11/13/03	470.00	13.70	2,220.00	6.20
	12/23/2003	400.00	10.80	3,100.00	5.30

See notes at end of table.

Table 3-6 (Continued)
System Analytical Data,
January 2001 – December 2003

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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 01/12/04

Checked by L. Barrentine on 01/22/04

The cumulative mass of contaminants removed slightly increased as is shown in Figure 7 (Appendix A), but appears to be leveling off over time. Vapor concentrations have stabilized over the past two quarters as shown in Figure 8 (Appendix A), which depicts the vapor concentrations from the three vacuum pumps over the three-year operational period. Overall, the concentrations have declined by 96 percent for the South TCE Source Area and 76 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.

The groundwater TCE influent concentrations have been tracked over the three-year System operation period and presented in Figure 9 (Appendix A). Concentrations increased during the fourth quarter, but the concentrations have decreased overall by 46 percent. Increases in several source area bedrock wells were also observed. This is an indication that contaminants are continuing to be mobilized towards extractions wells located within the source areas.

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 were first started up, 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 3-5. In contrast, during the fourth quarter of 2003, 41,735 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 continues steady at 0.01 pounds per hour for the third and fourth quarters 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 December 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	0.0524	105	0.0557	6.11	68 – 136	22
Chlorobenzene	0.0512	102	0.0549	6.97	78 – 125	17
1,1-Dichloroethene	0.0505	101	0.0506	0.20	67 – 141	21
Toluene	0.0522	104	0.0557	6.49	73 – 133	22
Trichloroethene	0.0640	107	0.0600	6.45	69 – 141	22
Tetrachloroethene	0.0534	107	0.0569	2.43	71 – 134	22

Note: mg/L = milligrams per liter

BR-12

Analyte	MS Value (mg/L)	Recovery (%)	MSD Value (mg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	0.0537	107	0.0514	4.38	68 – 136	22
Chlorobenzene	0.0588	118	0.0577	1.89	78 – 125	17
1,1-Dichloroethene	0.0479	96	0.0454	5.36	67 – 141	21
Toluene	0.0540	108	0.0532	1.49	73 – 133	22
Trichloroethene	0.0539	108	0.0522	3.20	69 – 141	22
Tetrachloroethene	0.0554	111	0.0545	1.64	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 December 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	4.4		NA		--
	cis-1,2-Dichloroethene	1	13.7		NA		--
	trans-1,2-Dichloroethene	1	8.5		NA		--
	Vinyl chloride	1	46		NA		--
W-5	cis-1,2-Dichloroethene	1	127		118		0.07
	trans-1,2-Dichloroethene	1	3.5		3.4		0.03
	Trichloroethene	1	550		520		0.06

The RPD for all analytes indicates that field duplicate precision as shown in this table is considered acceptable. The duplicate sample for BR-07 was not reported due to a laboratory error which resulted in the sample exceeding hold time.

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 December 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. One field blank had 1 µg/L of TCE. No target VOCs were detected above the reporting limit in the second field blank.

Two trip blanks were analyzed as part of the VOC laboratory QC program. One trip blank had 2 µg/L of TCE. This detection represents lab contamination as the blank was provided sealed by the lab and remained unopened until it was returned to the lab. No target VOCs were detected above the reporting limit in the second 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 December 2003 event. No target VOCs were detected above the reporting limit in either rinsate blank.

Representativeness is considered complete for this data set.

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 ten 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:

- Decreases in TCE concentrations have been observed in the majority of perimeter and site interior monitor wells. Although an increase in the System influent TCE concentrations occurred in December 2003, an overall 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 3,071 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 3-5.

6.0 REFERENCES

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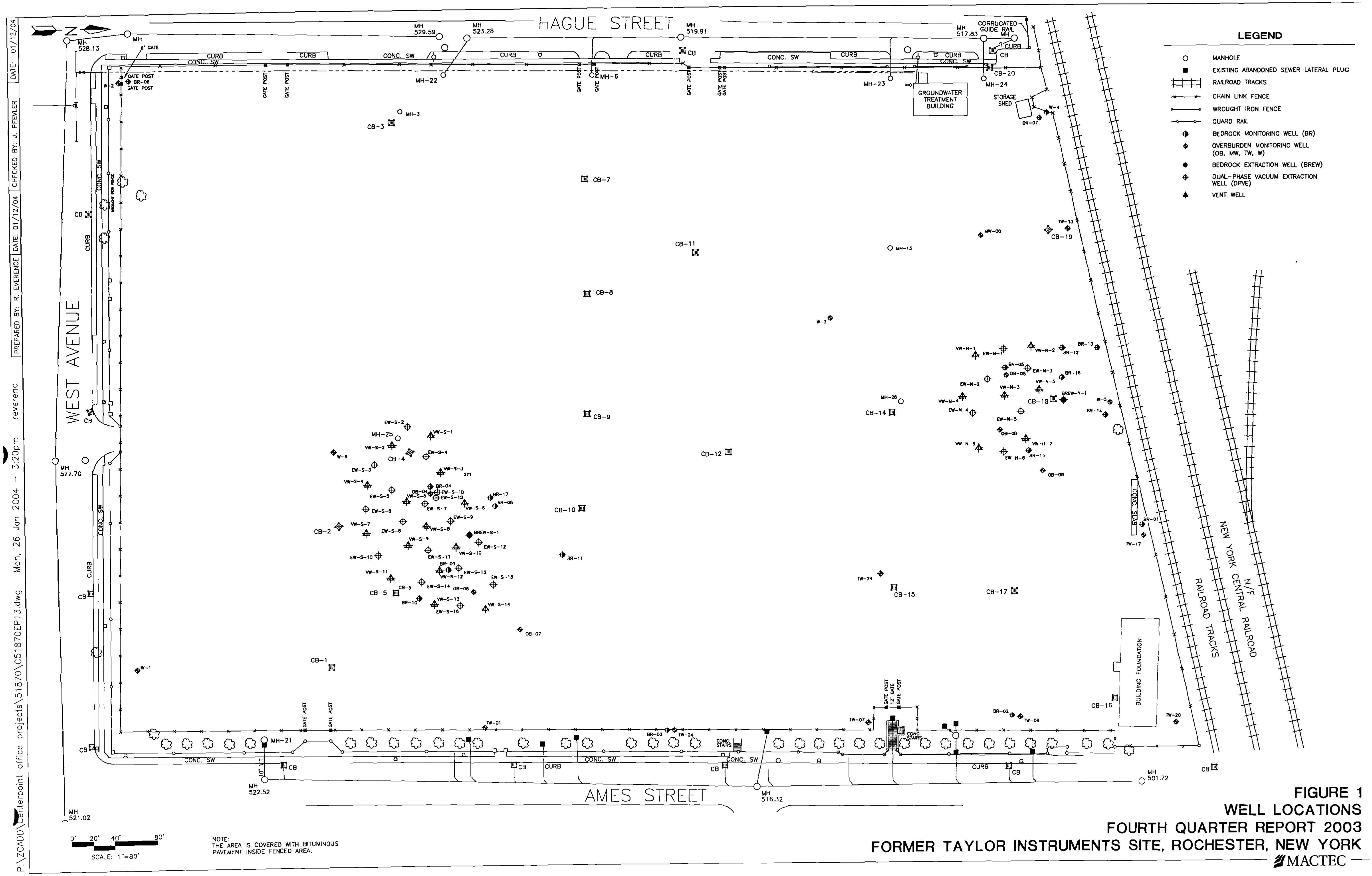
APPENDIX A

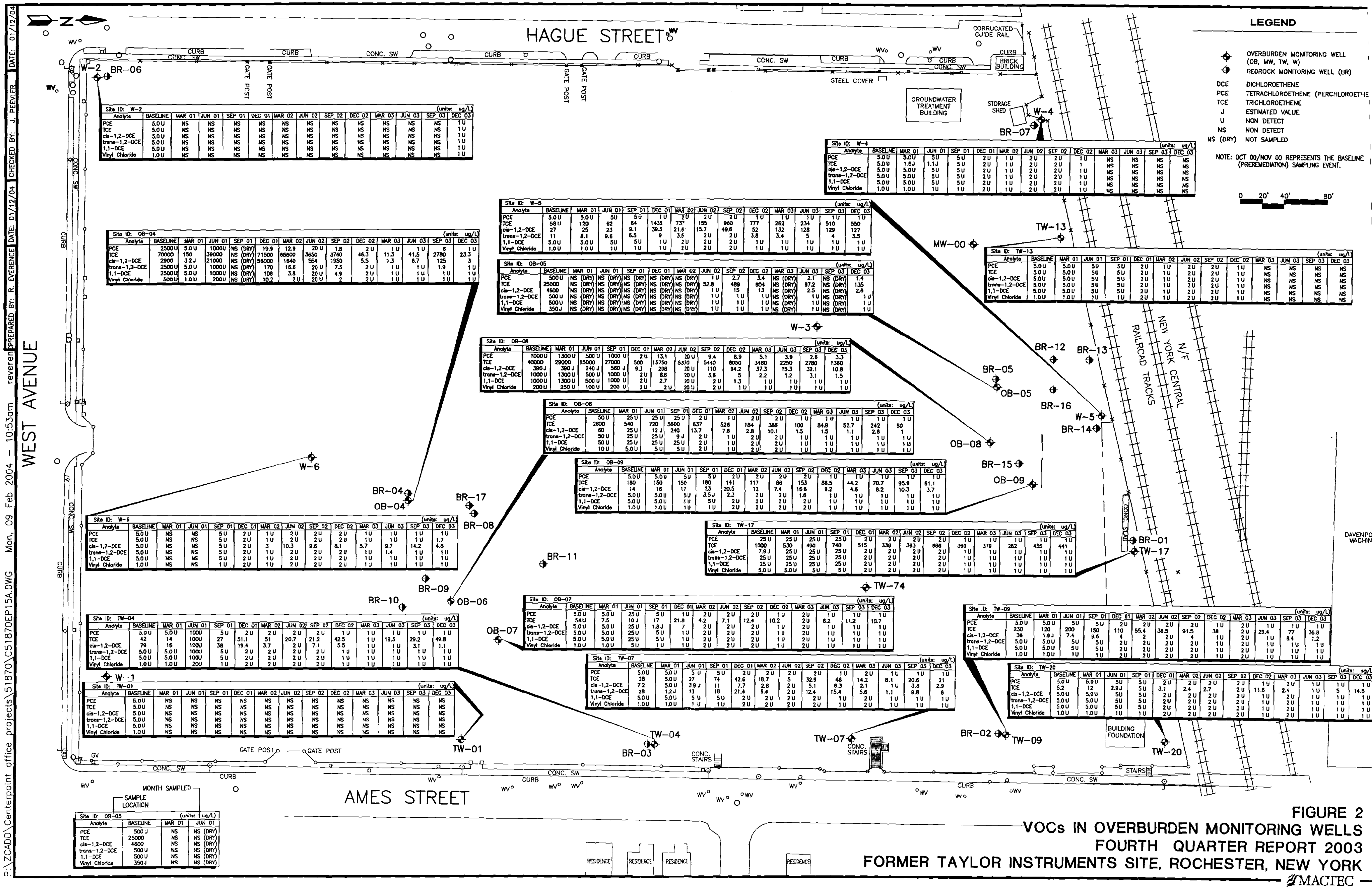
FIGURES



HAGUE STREET
WEST AVENUE
AMES STREET
NEW YORK CENTRAL RAILROAD TRACKS
N/F
GROUNDWATER TREATMENT BUILDING
STORAGE SHED
BUILDING FOUNDATION
CONC. SLAB
CORRUGATED GUIDE RAIL
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
MH 528.13
MH 529.59
MH 523.28
MH 519.91
MH 517.83
MH 522.70
MH 522.52
MH 516.32
MH 501.72
MH 521.02
PREPARED BY: R. EVERENCE DATE: 01/12/04 CHECKED BY: J. PEEVLER DATE: 01/12/04
P:\ZCADD\Centerpoint office projects\51870\C51870EP13.dwg Mon, 26 Jan 2004 - 3:20pm reverenc
0' 20' 40' 80'
SCALE: 1"=80'
NOTE: THE AREA IS COVERED WITH BITUMINOUS PAVEMENT INSIDE FENCED AREA.

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

MACTEC



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	DEC 03
PCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U
TCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U
cis-1,2-DCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U
trans-1,2-DCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U
1,1-DCE	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U
Vinyl Chloride	1.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U

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	DEC 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	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	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	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	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	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	NS

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	DEC 03
PCE	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	1 U
TCE	58 U	120	62	64	1435	737	155	960	777	262	234	510	550
cis-1,2-DCE	27	25	23	9.1	39.5	21.6	15.7	49.6	52	132	128	129	127
trans-1,2-DCE	11	8.1	9.6	6.5	9	3.5	2 U	2 U	3.8	3.4	5	4	3.5
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	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	1 U

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	DEC 03
PCE	2500 U	5.0 U	1000 U	NS (DRY)	19.9	12.9	20 U	1.8	2 U	1 U	1 U	6	1 U
TCE	70000	150	39000	NS (DRY)	71500	65600	3650	3760	46.3	11.3	41.5	2780	23.3
cis-1,2-DCE	2900	3.2 J	21000	NS (DRY)	56000	1640	554	1950	5.5	1.3	6.7	125	3
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 U
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	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	1 U

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	DEC 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)	1.4
TCE	25000	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	52.8	489	604	NS (DRY)	97.2	NS (DRY)	135
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)	2.6
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 U
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)	1 U
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)	1 U

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	DEC 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	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	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	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	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	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	NS

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	DEC 03
PCE	1000 U	1300 U	500 U	1000 U	2 U	13.1	20 U	9.4	8.9	5.1	3.9	2.6	3.3
TCE	40000	29000	15000	27000	500	15750	5370	5440	8050	3480	2250	2780	1360
cis-1,2-DCE	390 J	390 J	240 J	560 J	9.3	208	20 U	110	94.2	37.3	15.3	32.1	10.8
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	1.5
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	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	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	DEC 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	1 U
TCE	2600	540	720	5600	637	526	184	386	100	84.9	52.7	242	60
cis-1,2-DCE	60	25 U	12 J	240	13.7	7.8	2.8	10.1	1.5	1.5	1.1	2.6	1
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 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	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	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	DEC 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	1 U
TCE	180	150	150	180	141	117	86	153	88.5	44.2	70.7	95.9	61.1
cis-1,2-DCE	14	16	17	23	20.5	12	7.4	16.6	9.2	4.6	8.2	10.3	3.7
trans-1,2-DCE	5.0 U	5.0 U	5 U	3.5 J	2.3	2 U	2 U	1.6	1 U	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	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	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	DEC 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	1 U
TCE	1000	530	490	740	515	339	393	666	390	379	282	435	441
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	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 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	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	1 U

Site ID: W-6													(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	DEC 03
PCE	5.0 U	NS	NS	5 U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	5.0 U	NS	NS	5 U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1.7
cis-1,2-DCE	5.0 U	NS	NS	5 U	2 U	3	10.3	9.6	8.1	5.7	9.7	14.2	4.6
trans-1,2-DCE	5.0 U	NS	NS	5 U	2 U	1 U	2 U	2 U	2 U	1 U	1.4	1 U	1 U
1,1-DCE	5.0 U	NS	NS	5 U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	NS	NS	1 U	2 U	1 U	2 U	2 U	2 U	1 U	1 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	DEC 03
PCE	5.0 U	5.0 U	100U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
TCE	42	14	100U	27	51.1	51	20.7	21.2	42.5	1 U	19.3	29.2	49.8
cis-1,2-DCE	79	16	100U	38	19.4	3.7	2 U	7.1	5.5	1 U	1 U	3.1	1.1
trans-1,2-DCE	5.0 U	5.0 U	100U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
1,1-DCE	5.0 U	5.0 U	100U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	20U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 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	DEC 03
PCE	5.0 U	NS	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	NS
cis-1,2-DCE	5.0 U	NS	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	NS
1,1-DCE	5.0 U	NS	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	NS

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	DEC 03
PCE	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 U
TCE	54 U	7.5	10 J	17	21.8	4.2	7.1	12.4	10.2	2 U	6.2	11.2	10.7
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	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 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	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	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	DEC 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	1 U
TCE	28	5.0 U	27	74	42.6	18.7	5	32.9	46	14.2	8.1	20.6	21
cis-1,2-DCE	7.2	5.0 U	3.9 J	11	7.7	2.6	2 U	5.1	6.3	2.1	1 U	3.8	2.9
trans-1,2-DCE	28	1.2 J	13	18	21.4	6.4	2 U	12.4	15.4	5.6	1.1	9.8	6
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	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	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	DEC 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	1 U
TCE	230	120	200	150	110	55.4	36.5	91.5	38	2 U	29.4	77	36.8
cis-1,2-DCE	36	1.9 J	7.4	9.6	4	2	2 U	4	1 U	2 U	1 U	6.4	1.2
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 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	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	1 U

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	DEC 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	1 U
TCE	5.2	12	2.9 J	5 U	3.1	2.4	2.7	2 U	11.6	2.4	1 U	5	14.8
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	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 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	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	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)

LEGEND

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

DCE	DICHLOROETHENE
PCE	TETRACHLOROETHENE (PERCHLOROETHE
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.

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

MACTEC

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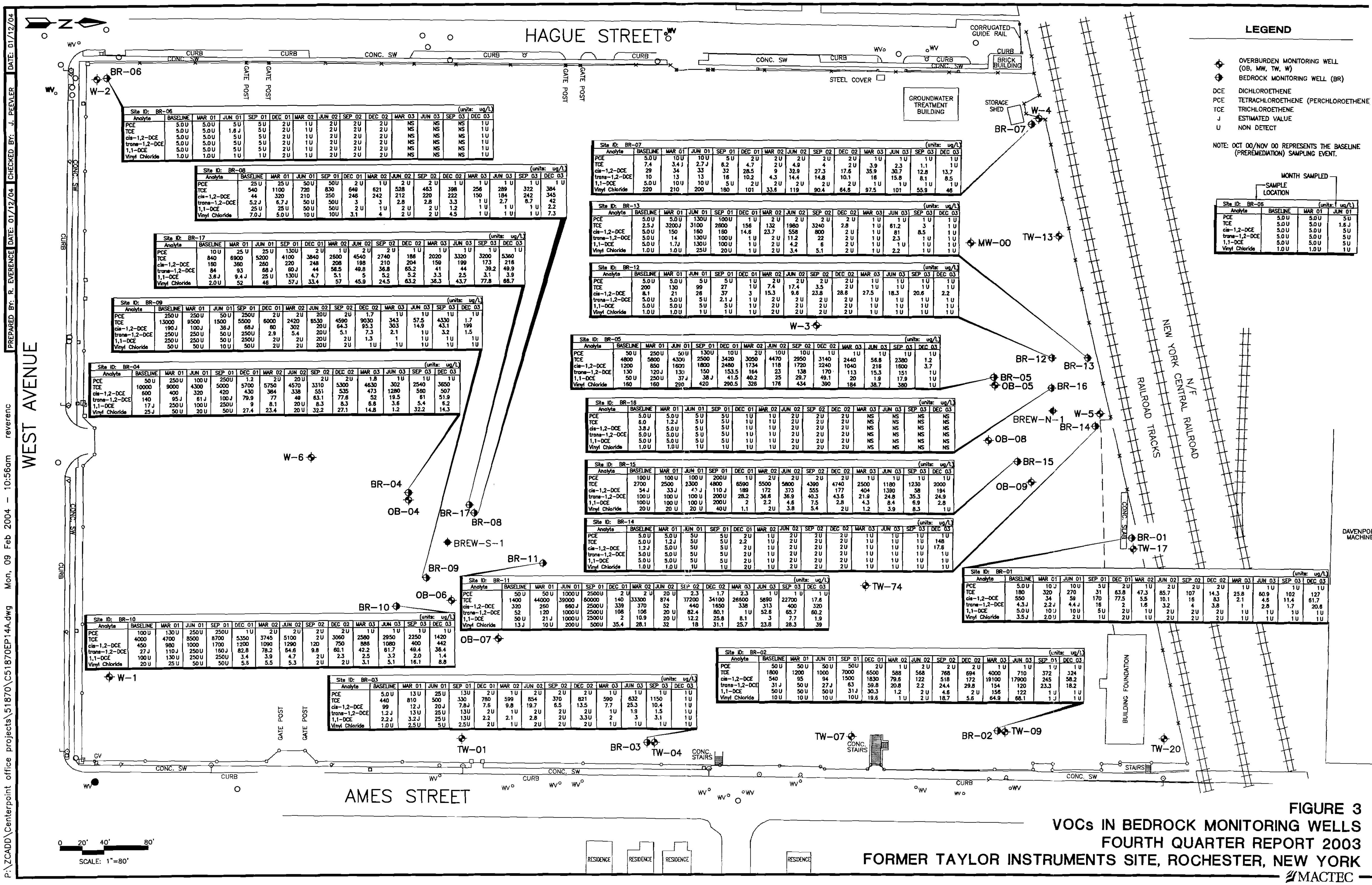


Site ID: BR-06 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03	SEP 03	DEC 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	1 U
TCE	5.0 U	5.0 U	1.6 J	5 U	2 U	1 U	2 U	2 U	2 U	NS	NS	NS	1 U
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	1 U
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 U
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	1 U
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	1 U

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	DEC 03
PCE	25 U	25 U	50 U	50U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U
TCE	540	1100	720	830	649	621	528	463	398	256	289	322	384
cis-1,2-DCE	44	320	210	250	246	242	212	220	222	150	184	242	345
trans-1,2-DCE	5.2 J	6.7 J	50 U	50U	3	3	2.8	2.8	3.3	1 U	2.7	8.7	42
1,1-DCE	25 U	25 U	50 U	50U	2 U	1 U	2 U	2 U	1.2	1 U	1 U	1 U	2.2
Vinyl Chloride	7.0 J	5.0 U	10 U	10U	3.1	4	2 U	2 U	4.5	1 U	1 U	1 U	7.3

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	DEC 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	1 U
TCE	840	6900	5200	4100	3840	2600	4540	2740	186	2020	3320	3200	5360
cis-1,2-DCE	160	360	260	220	248	208	198	210	204	159	199	173	216
trans-1,2-DCE	84	93	68 J	60 J	44	58.5	49.8	36.8	65.2	41	44	39.2	49.9
1,1-DCE	3.6 J	9.4 J	25 U	130U	4.7	5.1	5	5.2	5.2	3.3	2.5	3.1	3.9
Vinyl Chloride	2.0 U	52	46	57 J	33.4	57	45.9	24.5	63.2	38.3	43.7	77.8	68.7

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	DEC 03
PCE	250 U	250 U	50 U	250U	2U	2U	20U	2U	1.7	1U	1U	1U	1U
TCE	13000	9500	1500	5500	6000	2420	6530	4590	9030	343	57.5	4330	1.7
cis-1,2-DCE	190 J	100 J	36 J	68J	60	302	20U	64.3	95.3	303	14.9	43.1	199
trans-1,2-DCE	250U	250 U	50 U	250U	2.9	5.4	20U	5.1	7.3	2.1	1U	3.2	1.5
1,1-DCE	250U	250 U	50 U	250U	2U	2U	20U	2U	1.3	1	1U	1U	1U
Vinyl Chloride	50 U	50 U	10 U	50U	2U	2U	20U	2U	1U	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	DEC 03
PCE	50 U	250 U	100 U	250U	1.2	2U	20 U	2U	2U	1.8	1U	1U	1U
TCE	10000	9000	4300	5000	5700	5750	4570	3310	5300	4630	302	2540	3650
cis-1,2-DCE	600	400	320	420	430	384	338	551	535	473	1280	560	507
trans-1,2-DCE	140	95 J	61 J	100 J	79.9	77	49	63.1	77.6	52	19.5	61	51.9
1,1-DCE	17 J	250 U	100 U	250U	9	8.1	20 U	8.3	8.3	6.6	3.6	5.4	6.2
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	14.3

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	DEC 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	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	1 U
cis-1,2-DCE	29	34	33	32	28.5	9	32.9	27.3	17.6	35.9	30.7	12.8	13.7
trans-1,2-DCE	10	13	13	16	10.2	4.3	14.4	14.8	10.1	16	15.8	8.1	8.5
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	1 U
Vinyl Chloride	220	210	200	180	101	33.6	119	90.4	64.6	97.5	101	55.9	46

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	DEC 03
PCE	5.0 U	5.0 U	130U	100 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	2.5 J	3200 J	3100	2600	156	132	1980	3240	2.8	1 U	61.2	3	1 U
cis-1,2-DCE	5.0 U	150	160	160	14.6	23.7	558	800	2 U	1 U	81	8.5	1 U
trans-1,2-DCE	5.0 U	14	130U	100 U	1 U	2 U	11.2	22	2 U	1 U	2.3	1 U	1 U
1,1-DCE	5.0 U	1.7J	130U	100 U	1 U	2 U	4.2	6	2 U	1 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	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	DEC 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	1 U
TCE	200	130	99	27	1 U	7.4	17.4	3.5	2 U	1 U	1 U	1 U	1 U
cis-1,2-DCE	8.1	21	26	37	3	15.3	9.6	23.8	28.6	27.5	18.3	20.6	2.2
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 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	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	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	DEC 03
PCE	50 U	250 U	50 U	130U	10 U	2 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
TCE	4800	5800	4300	2500	3420	3050	4470	2950	3140	2440	56.8	2380	1.2
cis-1,2-DCE	1200	850	1600	1800	2480	1734	118	1720	2240	1040	218	1600	3.7
trans-1,2-DCE	130	120 J	130	150	153.5	164	23	138	170	113	15.3	151	1 U
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	1 U
Vinyl Chloride	160	160	290	420	290.5	326	176	434	390	184	38.7	380	1 U

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	DEC 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	NS
TCE	6.0	1.2 J	5 U	5 U	1 U	1 U	2 U	2 U	2 U	NS	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	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	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	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	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	DEC 03
PCE	100 U	100 U	100 U	200 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	2700	2500	2300	4800	6590	5500	5800	4390	4740	2500	1180	1230	2000
cis-1,2-DCE	54 J	33 J	42 J	110 J	189	172	373	555	177	404	1390	58	194
trans-1,2-DCE	100 U	100 U	100 U	200 U	28.2	36.6	36.9	40.3	43.6	21.9	24.8	35.3	24.9
1,1-DCE	100 U	100 U	100 U	200 U	2	2.2	4.6	7.5	2.8	4.3	8.4	6.9	2.8
Vinyl Chloride	20 U	20 U	20 U	40 U	1.1	2 U	3.8	5.4	2 U	1.2	3.9	8.3	1 U

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	DEC 03
PCE	5.0 U	5.0 U	5U	5 U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	5.0 U	1.2 J	5U	5 U	2.2	1 U	2 U	2 U	2 U	1 U	1 U	1 U	148
cis-1,2-DCE	1.2 J	5.0 U	5U	5 U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	17.6
trans-1,2-DCE	5.0 U	5.0 U	5U	5 U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
1,1-DCE	5.0 U	5.0 U	5U	5 U	2 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	1U	1 U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U

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	DEC 03
PCE	50 U	50 U	1000 U	2500U	2 U	2 U	20 U	2.3	1.7	2.3	1 U	1 U	1 U
TCE	1400	44000	39000	60000	140	33300	874	37200	34100	26600	5890	22700	17.6
cis-1,2-DCE	320	260	660 J	2500U	339	370	52	440	1650	338	313	400	320
trans-1,2-DCE	52	120	1000 U	2500U	108	106	20 U	82.4	80.1	1 U	52.6	65.7	60.2
1,1-DCE	50 U	21 J	1000 U	2500U	2	10.9	20 U	12.2	25.8	8.1	3	7.7	1.9
Vinyl Chloride	13 J	10 U	200 U	500U	35.4	28.1	32	18	31.1	25.7	23.8	28.3	39

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	DEC 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	1 U
TCE	4000	4700	8500	8700	5350	3745	5100	2 U	3060	2580	2950	2250	1420
cis-1,2-DCE	450	980	1000	1700	1200	1090	1290	120	750	886	1080	400	442
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	36.4
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	1.4
Vinyl Chloride	20 U	25 U	50 U	50U	5.6	5.5	5.3	2 U	2 U	3.1	5.1	16.1	8.8

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	DEC 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	1 U
TCE	440	810	500	330	780	599	854	370	821	590	632	1150	1 U
cis-1,2-DCE	99	12 J	20 J	7.8J	7.6	9.8	19.7	6.5	13.5	7.7	25.3	10.4	1 U
trans-1,2-DCE	1.2 J	13 U	25 U	13U	2 U	1 U	2 U	2 U	2 U	1 U	1.9	1.5	1 U
1,1-DCE	2.2 J	3.2 J	25 U	13U	2.2	2.1	2.8	2 U	3.3 U	2	3	3.1	1 U
Vinyl Chloride	1.0 U	2.5 U	5 U	2.5U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U

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	DEC 03
PCE	50 U	50 U	50 U	50U	2 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
TCE	1800	1200	1000	7000	6500	588	568	768	694	4000	710	372	324
cis-1,2-DCE	540	95	94	1500	1830	79.6	122	518	172	19100	17900	245	58.2
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	18.2
1,1-DCE	50 U	50 U	50 U	31 J	30.3	1.2	2 U	4.6	2 U	156	122	1 U	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 J	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	DEC 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	1 U
TCE	180	320	270	31	63.8	47.3	85.7	107	14.3	25.8	60.9	102	127
cis-1,2-DCE	550	34	59	170	77.5	5.5	10.1	16	83	2.1	4.6	11.4	61.7
trans-1,2-DCE	4.3 J	2.2 J	4.4 J	16	2	1.6	3.2	4	3.8	1	2.8	1.7	20.6
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	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	1 U

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.

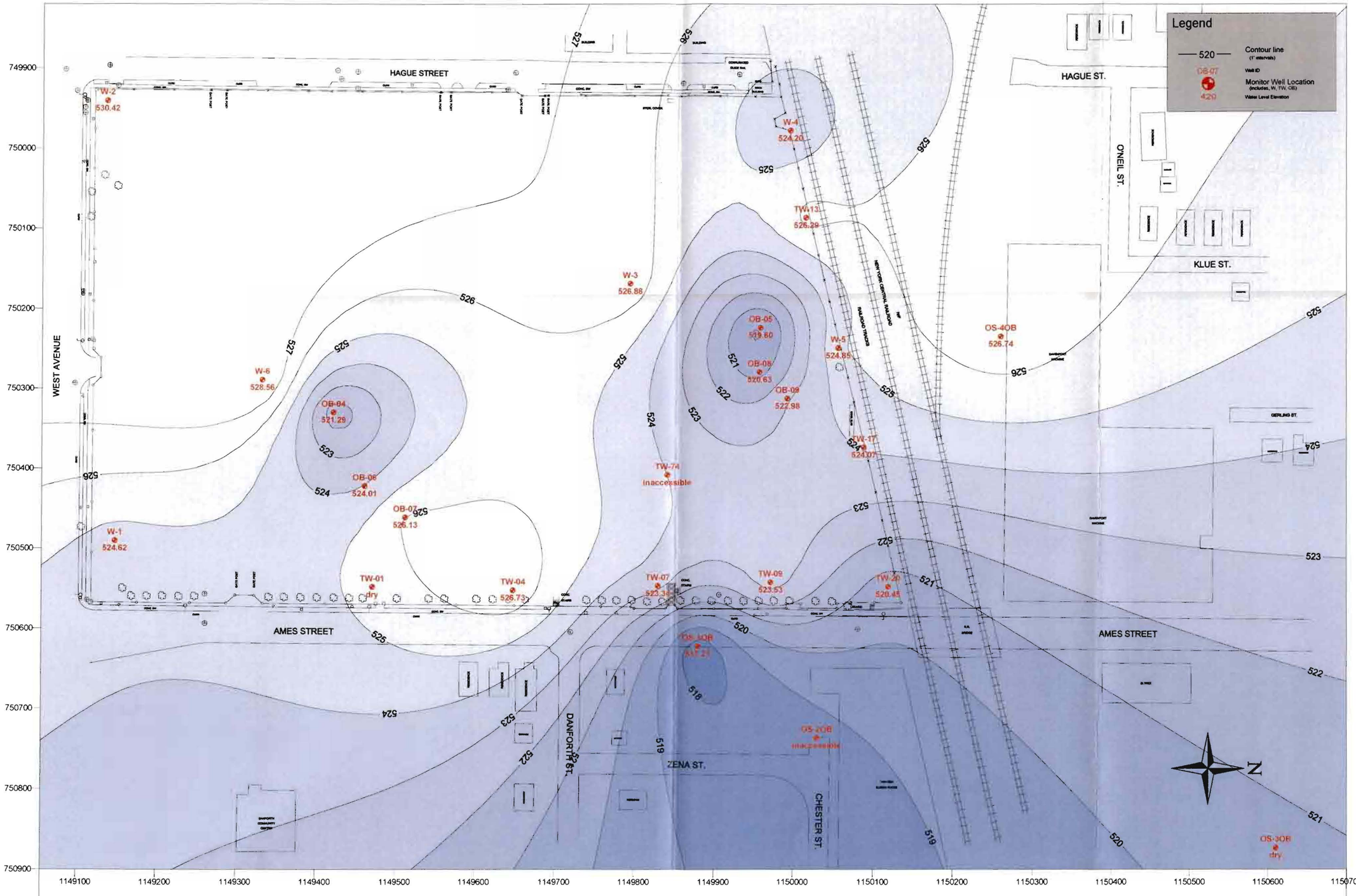
MONTH SAMPLED — SAMPLE LOCATION

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	1.6 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	5 U
Vinyl Chloride	1.0 U	1.0 U	1 U

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

MACTEC



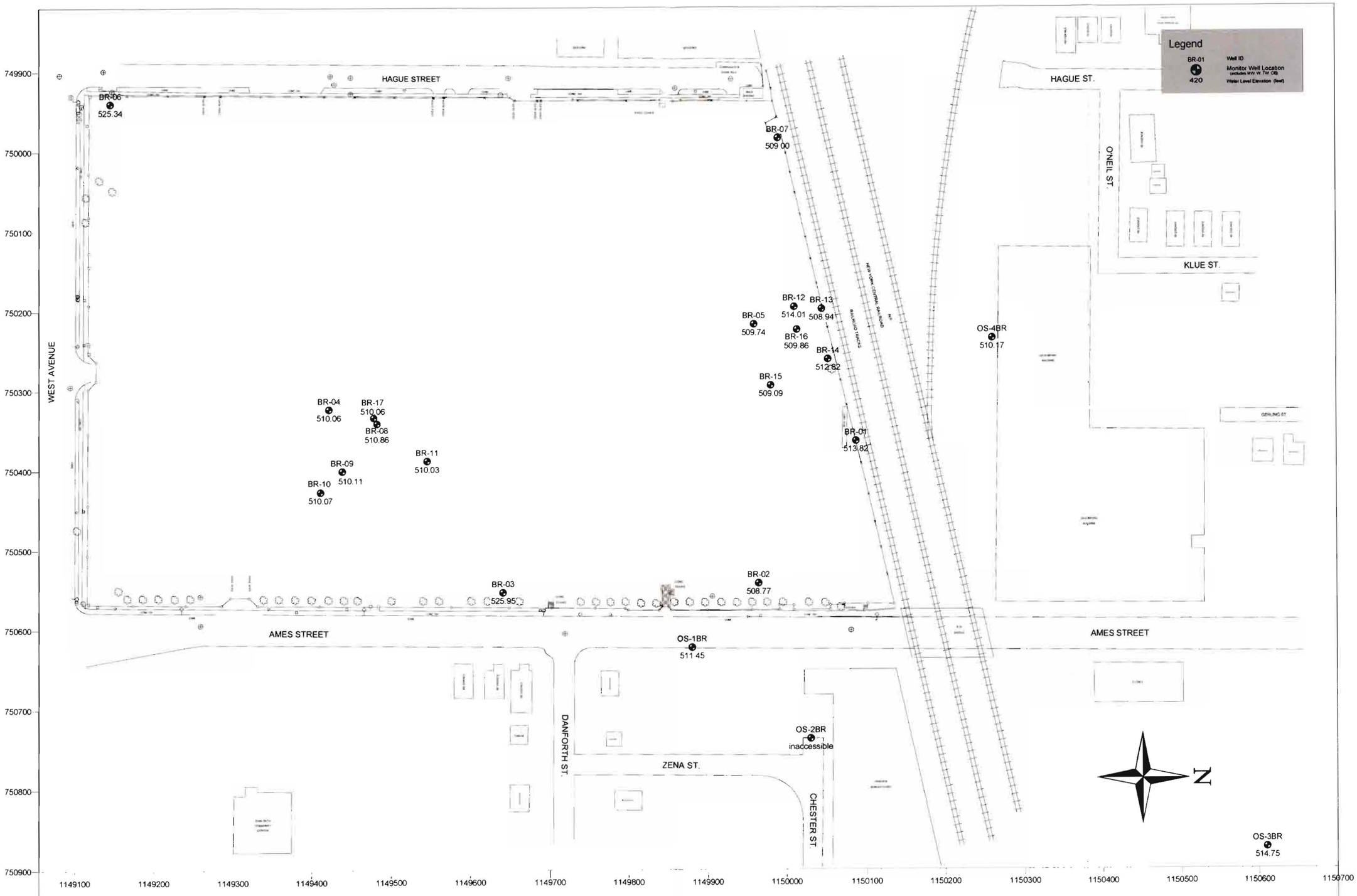
Note: Data for Monitor Wells OS-1OB, OS-2OB, OS-3OB, and OS-4OB were provided by Haley and Aldrich of New York.
Data collected on December 09, 2003. Well OS-2OB was inaccessible due to frozen water over the well.

Prepared by: J. Peevler on 01/12/2004

Checked by: L. Barrentine on 01/19/2004

FIGURE 4
OVERBURDEN POTENTIOMETRIC SURFACE MAP
QUARTERLY REPORT (DECEMBER 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 December 09, 2003. Well OS-2BR was inaccessible due to frozen water over well.

Prepared by: J. Peevler on 01/12/2004

Checked by: L. Barrentine on 01/19/2004

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

MACTEC Engineering and Consulting

Figure 6
Average Groundwater Flowrates

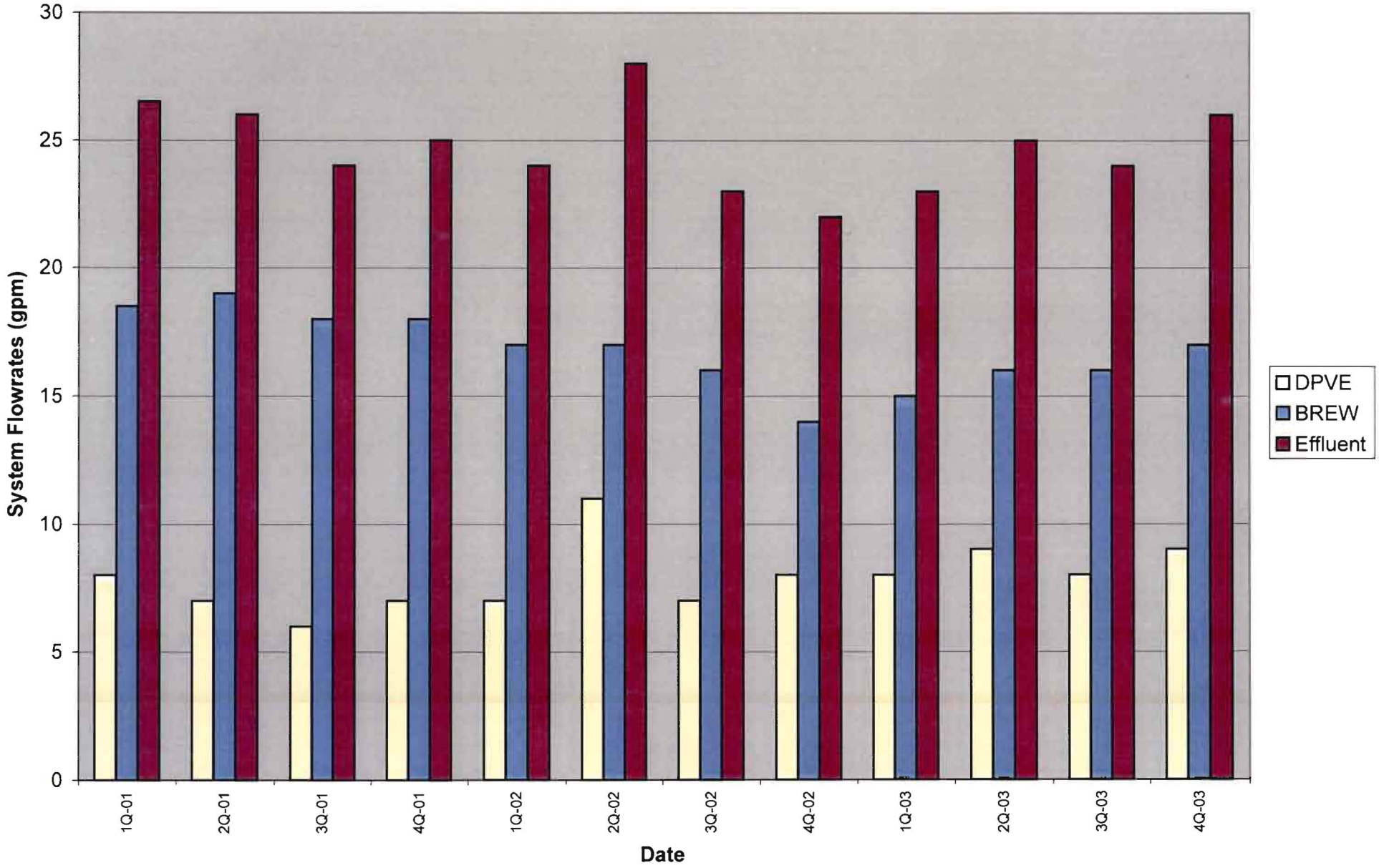


Figure 7
TCE Mass Removed

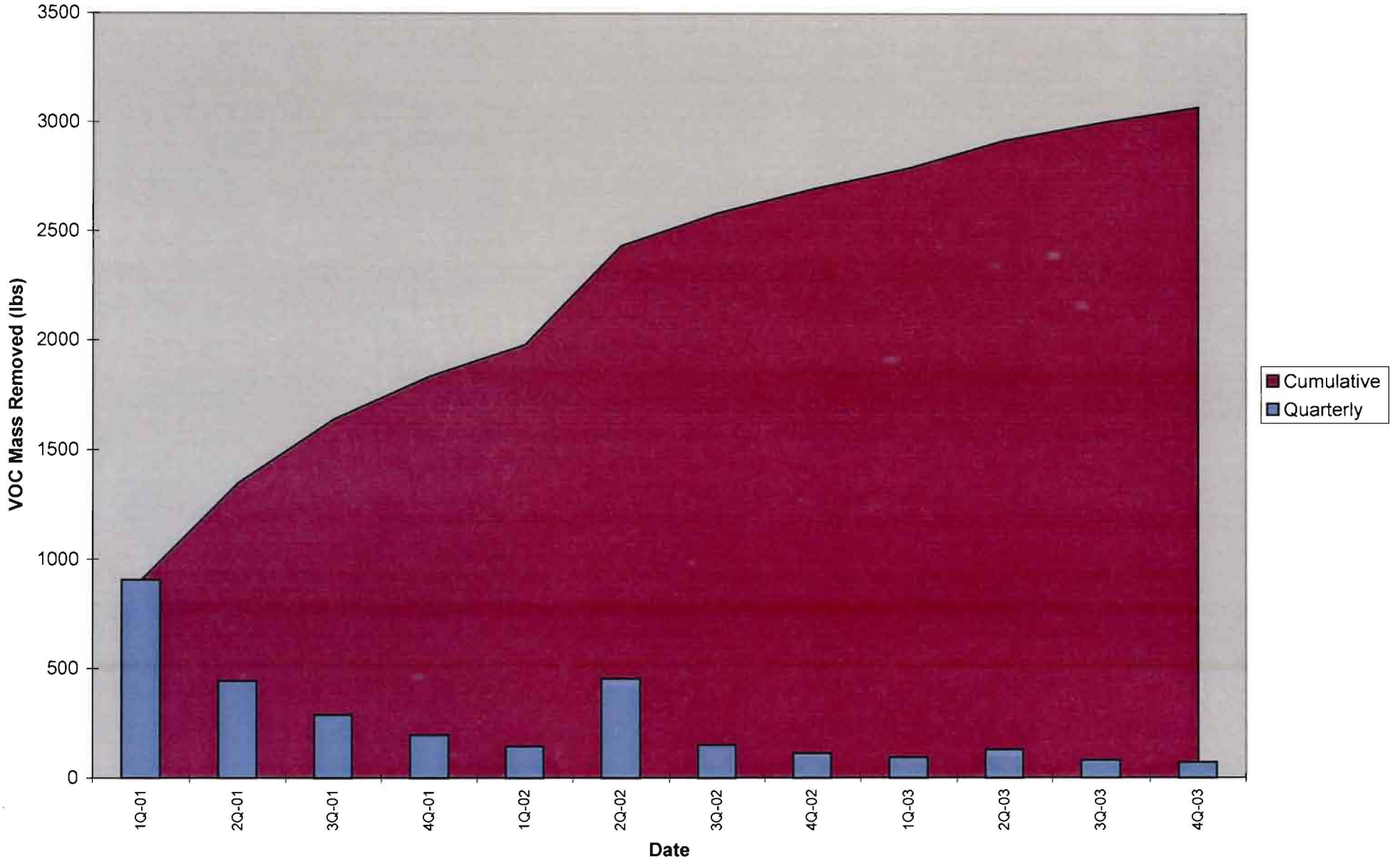


Figure 8
System TCE Effluent Vapor Results

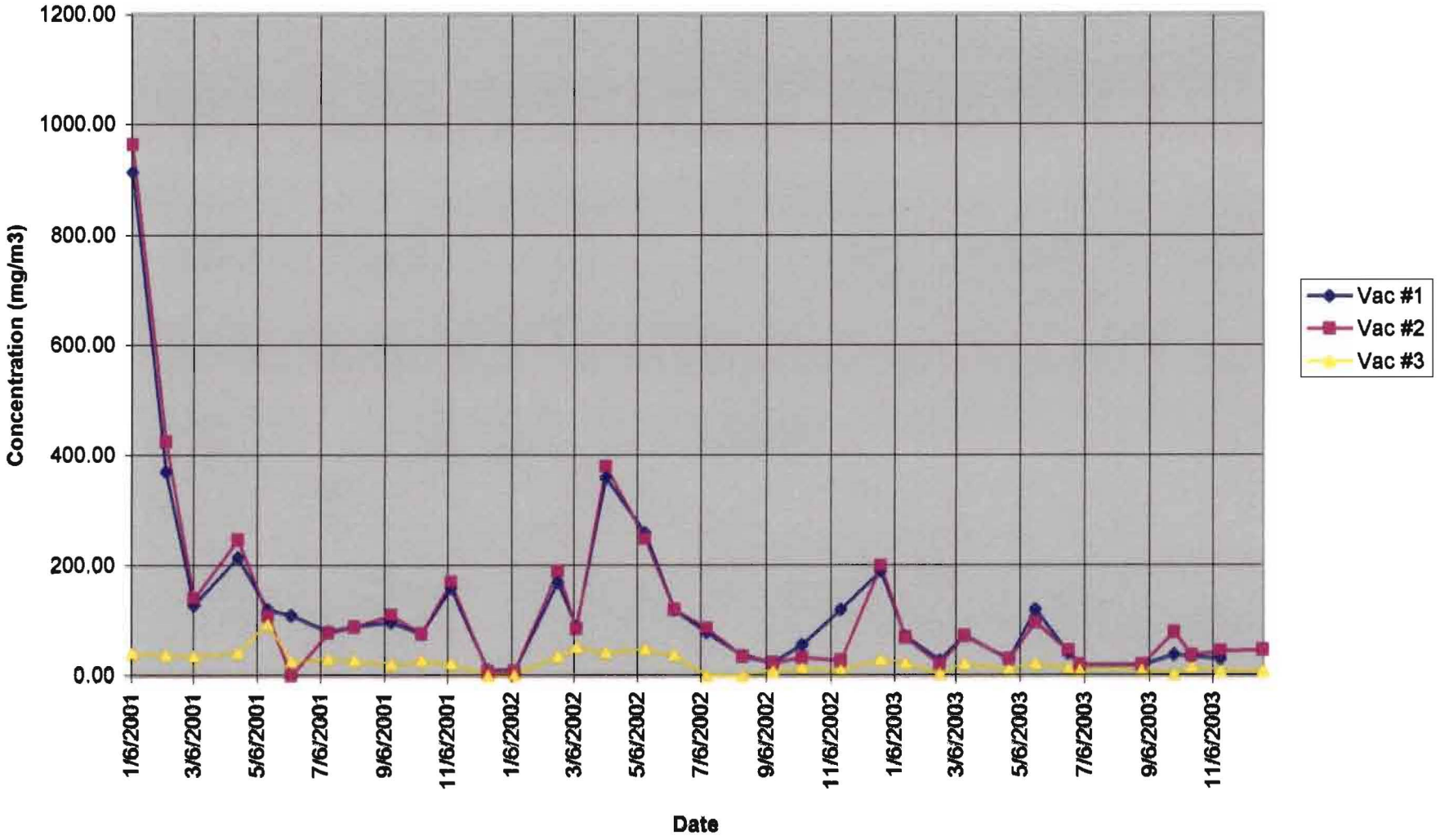
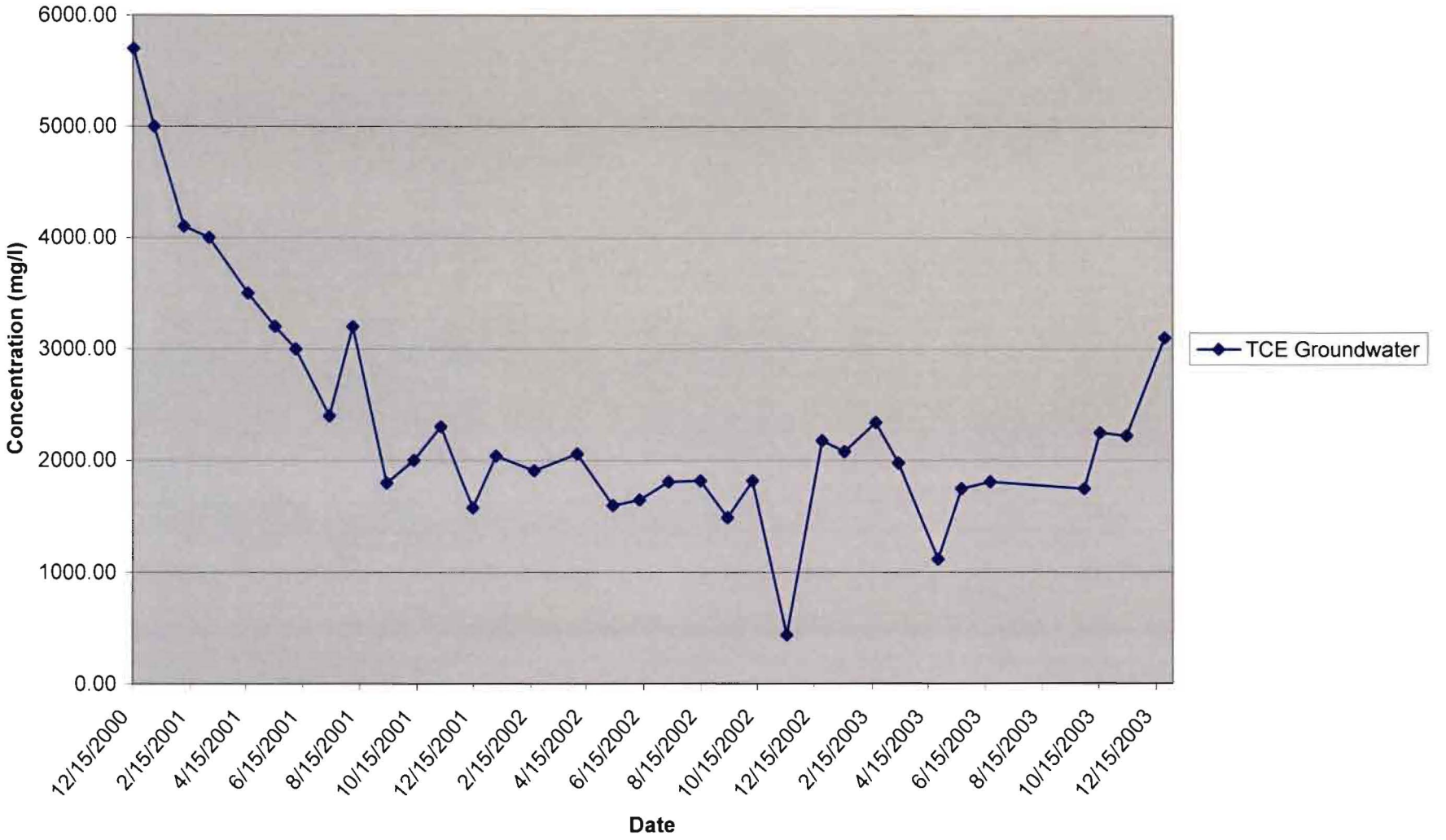


Figure 9
System TCE Influent Groundwater Results



APPENDIX B

LABORATORY REPORTS

DECEMBER 9 - 11, 2003
Analytical Data

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

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

Lab Number: 03-A193393
Sample ID: QATB01
Sample Type: Ground water
Site ID:

Date Collected: 12/ 9/03
Time Collected: 11:05
Date Received: 12/12/03
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	0.250	1	12/17/03	10:01	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	10:01	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	10:01	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	10:01	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439

ample 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-A193393
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	12/17/03	10:01	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	10:01	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	10:01	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	10:01	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	10:01	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	10:01	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	10:01	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Trichloroethene	0.00220	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	10:01	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	10:01	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	10:01	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193393
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	12/17/03	10:01	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	99.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193394
Sample ID: QAFB01
Sample Type: Ground water
Site ID:

Date Collected: 12/ 9/03
Time Collected: 11:15
Date Received: 12/12/03
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	0.250	1	12/17/03	10:32	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	10:32	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	10:32	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	10:32	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193394
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	12/17/03	10:32	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	10:32	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	10:32	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	10:32	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	10:32	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	10:32	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	10:32	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Trichloroethene	0.00100	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	10:32	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	10:32	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	10:32	S. Roberts	8260B	8439

ample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193394
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	12/17/03	10:32	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	99.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193395
Sample ID: QARB01
Sample Type: Ground water
Site ID:

Date Collected: 12/ 9/03
Time Collected: 11:25
Date Received: 12/12/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/17/03	11:04	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	11:04	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	11:04	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Carbon disulfide	0.00180	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	11:04	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193395
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	12/17/03	11:04	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	11:04	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	11:04	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	11:04	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	11:04	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	11:04	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	11:04	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Trichloroethene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	11:04	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	11:04	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	11:04	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193395
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	12/17/03	11:04	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	99.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193396
Sample ID: W-2
Sample Type: Ground water
Site ID:

Date Collected: 12/ 9/03
Time Collected: 13:26
Date Received: 12/12/03
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	0.250	1	12/16/03	22:57	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/16/03	22:57	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/16/03	22:57	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/16/03	22:57	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193396
Sample ID: W-2
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	12/16/03	22:57	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/16/03	22:57	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/16/03	22:57	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/16/03	22:57	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/16/03	22:57	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/16/03	22:57	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/16/03	22:57	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Trichloroethene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/16/03	22:57	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439
Xylenes (Total)	0.0041	mg/l	0.0010	1	12/16/03	22:57	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439

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ANALYTICAL REPORT

Laboratory Number: 03-A193396
Sample ID: W-2
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	12/16/03	22:57	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	93.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	94.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193397
Sample ID: BR-06
Sample Type: Ground water
Site ID:

Date Collected: 12/ 9/03
Time Collected: 14:05
Date Received: 12/12/03
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	0.250	1	12/16/03	23:29	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/16/03	23:29	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/16/03	23:29	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/16/03	23:29	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439

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ANALYTICAL REPORT

Laboratory Number: 03-A193397
Sample ID: BR-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	12/16/03	23:29	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/16/03	23:29	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/16/03	23:29	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/16/03	23:29	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/16/03	23:29	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/16/03	23:29	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/16/03	23:29	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Trichloroethene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/16/03	23:29	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/16/03	23:29	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/16/03	23:29	S. Roberts	8260B	8439

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ANALYTICAL REPORT

Laboratory Number: 03-A193397
Sample ID: BR-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	12/16/03	23:29	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	94.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193398
Sample ID: TW-04
Sample Type: Ground water
Site ID:

Date Collected: 12/ 9/03
Time Collected: 14:57
Date Received: 12/12/03
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	0.250	1	12/17/03	0:00	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	0:00	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	0:00	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	0:00	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193398
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	12/17/03	0:00	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	0.00110	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	0:00	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	0:00	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	0:00	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	0:00	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	0:00	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	0:00	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Trichloroethene	0.0498	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	0:00	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	0:00	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	0:00	S. Roberts	8260B	8439

ample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193398
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	12/17/03	0:00	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	100.	71. - 132.
VOA Surr, DBFM	95.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193399
Sample ID: TW-17
Sample Type: Ground water
Site ID:

Date Collected: 12/ 9/03
Time Collected: 16:12
Date Received: 12/12/03
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	0.250	1	12/17/03	4:44	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	4:44	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	4:44	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	4:44	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193399
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	12/17/03	4:44	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	4:44	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	4:44	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	4:44	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	4:44	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	4:44	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	4:44	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Trichloroethene	0.441	mg/l	0.0100	10	12/17/03	22:11	S. Roberts	8260B	8610
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	4:44	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	4:44	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	4:44	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193399
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	12/17/03	4:44	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	95.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193400
Sample ID: TW-20
Sample Type: Ground water
Site ID:

Date Collected: 12/10/03
Time Collected: 8:43
Date Received: 12/12/03
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	0.250	1	12/17/03	5:16	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	5:16	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	5:16	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	5:16	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193400
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	12/17/03	5:16	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	5:16	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	5:16	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	5:16	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	5:16	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	5:16	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	5:16	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Trichloroethene	0.0148	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	5:16	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	5:16	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	5:16	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193400
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	12/17/03	5:16	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	70. - 133.
VOA Surr Toluene-d8	98.	76. - 123.
VOA Surr, 4-BFB	101.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193401
Sample ID: TW-07
Sample Type: Ground water
Site ID:

Date Collected: 12/10/03
Time Collected: 9:48
Date Received: 12/12/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/17/03	5:48	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	5:48	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	5:48	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	5:48	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439

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ANALYTICAL REPORT

Laboratory Number: 03-A193401
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	12/17/03	5:48	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	0.00290	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	0.00600	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	5:48	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	5:48	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	5:48	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	5:48	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	5:48	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	5:48	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Trichloroethene	0.0210	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	5:48	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	5:48	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	5:48	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193401
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	12/17/03	5:48	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	101.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193402
Sample ID: TW-09
Sample Type: Ground water
Site ID:

Date Collected: 12/10/03
Time Collected: 11:11
Date Received: 12/12/03
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	0.250	1	12/17/03	6:19	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	6:19	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	6:19	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	6:19	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439

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ANALYTICAL REPORT

Laboratory Number: 03-A193402
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	12/17/03	6:19	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	0.00120	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	6:19	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	6:19	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	6:19	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	6:19	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	6:19	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	6:19	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Trichloroethene	0.0368	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	6:19	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	6:19	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	6:19	S. Roberts	8260B	8439

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ANALYTICAL REPORT

Laboratory Number: 03-A193402
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	12/17/03	6:19	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	102.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193403
Sample ID: OB-09
Sample Type: Ground water
Site ID:

Date Collected: 12/10/03
Time Collected: 15:40
Date Received: 12/12/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/17/03	6:51	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	6:51	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	6:51	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	6:51	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439

ample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193403
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	12/17/03	6:51	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	0.00370	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	6:51	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	6:51	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	6:51	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	6:51	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	6:51	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	6:51	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Trichloroethene	0.0611	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	6:51	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	6:51	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	6:51	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193403
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	12/17/03	6:51	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	101.	71. - 132.
VOA Surr, DBFM	94.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193404
Sample ID: OB-07 MS/MSD
Sample Type: Ground water
Site ID:

Date Collected: 12/ 9/03
Time Collected: 16:38
Date Received: 12/12/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/17/03	0:32	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	0:32	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	0:32	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	0:32	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193404
Sample ID: OB-07 MS/MSD
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	12/17/03	0:32	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	0:32	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	0:32	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	0:32	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	0:32	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	0:32	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	0:32	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Trichloroethene	0.0107	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	0:32	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	0:32	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439

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ANALYTICAL REPORT

Laboratory Number: 03-A193404
Sample ID: OB-07 MS/MSD
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	12/17/03	0:32	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	93.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	101.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193405
Sample ID: W-5
Sample Type: Ground water
Site ID:

Date Collected: 12/11/03
Time Collected: 9:50
Date Received: 12/12/03
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	0.250	1	12/17/03	7:22	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	7:22	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	7:22	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	7:22	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193405
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	12/17/03	7:22	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	0.127	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	0.00350	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	7:22	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	7:22	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	7:22	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	7:22	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	7:22	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	7:22	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Trichloroethene	0.550	mg/l	0.0100	10	12/17/03	22:42	S. Roberts	8260B	8610
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	7:22	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	7:22	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	7:22	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193405
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	12/17/03	7:22	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	97.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	97.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193406
Sample ID: W-5 (DUP)
Sample Type: Ground water
Site ID:

Date Collected: 12/11/03
Time Collected: 9:52
Date Received: 12/12/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/17/03	7:54	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	7:54	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	7:54	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	7:54	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193406
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	12/17/03	7:54	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	0.118	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	0.00340	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	7:54	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	7:54	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	7:54	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	7:54	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	7:54	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	7:54	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Trichloroethene	0.520	mg/l	0.0100	10	12/17/03	23:14	S. Roberts	8260B	8610
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	7:54	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	7:54	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	7:54	S. Roberts	8260B	8439

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ANALYTICAL REPORT

Laboratory Number: 03-A193406
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	12/17/03	7:54	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	99.	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
RICK RYAN/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193407
Sample ID: OB-06
Sample Type: Ground water
Site ID:

Date Collected: 12/11/03
Time Collected: 12:53
Date Received: 12/12/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/17/03	8:26	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	8:26	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	8:26	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	8:26	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439

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ANALYTICAL REPORT

Laboratory Number: 03-A193407
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	12/17/03	8:26	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	0.00100	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	8:26	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	8:26	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	8:26	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	8:26	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	8:26	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	8:26	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Trichloroethene	0.0600	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	8:26	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Vinyl chloride	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	8:26	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	8:26	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193407
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	12/17/03	8:26	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	95.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193408
Sample ID: BR-08
Sample Type: Ground water
Site ID:

Date Collected: 12/11/03
Time Collected: 14:30
Date Received: 12/12/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/17/03	8:57	S. Roberts	8260B	8439
Benzene	0.0016	mg/l	0.0010	1	12/17/03	8:57	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	8:57	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	8:57	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439

ample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193408
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	12/17/03	8:57	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,1-Dichloroethene	0.00220	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	0.345	mg/l	0.0100	10	12/17/03	23:46	S. Roberts	8260B	8610
trans-1,2-Dichloroethene	0.0420	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	8:57	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
2-Hexanone	0.0127	mg/l	0.00500	1	12/17/03	8:57	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	8:57	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	8:57	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	8:57	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Toluene	0.0044	mg/l	0.0010	1	12/17/03	8:57	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Trichloroethene	0.384	mg/l	0.0100	10	12/17/03	23:46	S. Roberts	8260B	8610
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	8:57	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Vinyl chloride	0.00730	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439
Xylenes (Total)	0.0065	mg/l	0.0010	1	12/17/03	8:57	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	8:57	S. Roberts	8260B	8439

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ANALYTICAL REPORT

Laboratory Number: 03-A193408
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	12/17/03	8:57	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	100.	71. - 132.
VOA Surr, DBFM	95.	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/JANNA PEEVLER
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A193409
Sample ID: BR-17
Sample Type: Ground water
Site ID:

Date Collected: 12/11/03
Time Collected: 15:18
Date Received: 12/12/03
Time Received: 8:05

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/17/03	9:29	S. Roberts	8260B	8439
Benzene	ND	mg/l	0.0010	1	12/17/03	9:29	S. Roberts	8260B	8439
Bromobenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Bromochloromethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Bromoform	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Bromomethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
2-Butanone	ND	mg/l	0.0250	1	12/17/03	9:29	S. Roberts	8260B	8439
n-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
sec-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
tert-Butylbenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Carbon disulfide	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Carbon tetrachloride	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Chlorobenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Chloroethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Chloroform	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Chloromethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
2-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
4-Chlorotoluene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/17/03	9:29	S. Roberts	8260B	8439
Dibromochloromethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Dibromomethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193409
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	12/17/03	9:29	S. Roberts	8260B	8439
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,1-Dichloroethene	0.00390	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
cis-1,2-Dichloroethene	0.216	mg/l	0.00500	5	12/18/03	0:18	S. Roberts	8260B	8610
trans-1,2-Dichloroethene	0.0499	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Ethylbenzene	ND	mg/l	0.0010	1	12/17/03	9:29	S. Roberts	8260B	8439
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
2-Hexanone	ND	mg/l	0.00500	1	12/17/03	9:29	S. Roberts	8260B	8439
Isopropylbenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/17/03	9:29	S. Roberts	8260B	8439
Methylene chloride	ND	mg/l	0.00250	1	12/17/03	9:29	S. Roberts	8260B	8439
Naphthalene	ND	mg/l	0.00500	1	12/17/03	9:29	S. Roberts	8260B	8439
n-Propylbenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Styrene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Tetrachloroethene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Toluene	ND	mg/l	0.0010	1	12/17/03	9:29	S. Roberts	8260B	8439
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Trichloroethene	5.36	mg/l	0.200	200	12/18/03	0:49	S. Roberts	8260B	8621
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/17/03	9:29	S. Roberts	8260B	8439
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Vinyl chloride	0.0667	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439
Xylenes (Total)	ND	mg/l	0.0010	1	12/17/03	9:29	S. Roberts	8260B	8439
Bromodichloromethane	ND	mg/l	0.00100	1	12/17/03	9:29	S. Roberts	8260B	8439

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A193409
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	12/17/03	9:29	S. Roberts	8260B	8439

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	99.	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 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 _____

357539

Client Name: MACTEC Client #: 4997
Address: 1431 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37909
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax: _____
Sampler Name: (Print Name) Janna Peerber
Sampler Signature: [signature]

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan Janna Peerber
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
QATB001	12/9/03	1105	G		GW		1						3	trip blank
QAFB001	12/9/03	1115	G		GW		3						3	field blank
QARB001	12/9/03	1125	G		GW		3						3	rinsate blank
W-2	12/9/03	1326	G		GW		3						3	
BR-06	12/9/03	1405	G		GW		3						3	
TW-04	12/9/03	1457	G		GW		3						3	
TW-17	12/9/03	1612	G		GW		3						3	
TW-20	12/10/03	843	G		GW		3						3	
TW-07	12/10/03	948	G		GW		3						3	
TW-09	12/10/03	1111	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		Date	Time
Relinquished By: [signature]	12/11/03	1702	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By: [signature]	12/12/03	0805

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 _____

357539

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 Janna Peeler
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)

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
OB-09	12/10/03	1540	G		GW		3						3	403
OB-07	12/10/03	1636	G		GW		3						3	404
OB-07 (MS)	12/10/03	1638	G		GW		3						3	matrix spike
OB-07 (MSD)	12/10/03	1638	G		GW		3						3	m.spike dupl.
W-5	12/11/03	950	G		GW		3						3	405
W-5 (dup)	12/11/03	952	G		GW		3						3	406
OB-06	12/11/03	1253	G		GW		3						3	407
BR-08	12/11/03	1430	G		GW		3						3	408
BR-17	12/11/03	1518	G		GW		3						3	409
					6									

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

Special Instructions:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Janna Peeler	12/11/03	1700			
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 12/12/03	Time: 8:03

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

December 12 - 17, 2003
Analytical Data

TestAmerica
ANALYTICAL TESTING CORPORATION

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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-A195345
Sample ID: BR-03
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/12/03
Time Collected: 8:45
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/21/03	13:17	S. Roberts	8260B	2512
Benzene	ND	mg/l	0.0010	1	12/21/03	13:17	S. Roberts	8260B	2512
Bromobenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Bromochloromethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Bromoform	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Bromomethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
2-Butanone	ND	mg/l	0.0250	1	12/21/03	13:17	S. Roberts	8260B	2512
n-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
sec-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
tert-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Carbon disulfide	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Carbon tetrachloride	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Chlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Chloroethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Chloroform	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Chloromethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
2-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
4-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/21/03	13:17	S. Roberts	8260B	2512
Dibromochloromethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Dibromomethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195345
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	12/21/03	13:17	S. Roberts	8260B	2512
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Ethylbenzene	ND	mg/l	0.0010	1	12/21/03	13:17	S. Roberts	8260B	2512
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
2-Hexanone	ND	mg/l	0.00500	1	12/21/03	13:17	S. Roberts	8260B	2512
Isopropylbenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/21/03	13:17	S. Roberts	8260B	2512
Methylene chloride	ND	mg/l	0.00250	1	12/21/03	13:17	S. Roberts	8260B	2512
Naphthalene	ND	mg/l	0.00500	1	12/21/03	13:17	S. Roberts	8260B	2512
n-Propylbenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Styrene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Tetrachloroethene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Toluene	ND	mg/l	0.0010	1	12/21/03	13:17	S. Roberts	8260B	2512
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Trichloroethene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/21/03	13:17	S. Roberts	8260B	2512
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Vinyl chloride	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512
Xylenes (Total)	ND	mg/l	0.0010	1	12/21/03	13:17	S. Roberts	8260B	2512
Bromodichloromethane	ND	mg/l	0.00100	1	12/21/03	13:17	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195345
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	12/21/03	13:17	S. Roberts	8260B	2512

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	97.	71. - 132.
VOA Surr, DBFM	94.	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-A195346
Sample ID: BR-14
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/12/03
Time Collected: 10:10
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/21/03	13:49	S. Roberts	8260B	2512
Benzene	ND	mg/l	0.0010	1	12/21/03	13:49	S. Roberts	8260B	2512
Bromobenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Bromochloromethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Bromoform	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Bromomethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
2-Butanone	ND	mg/l	0.0250	1	12/21/03	13:49	S. Roberts	8260B	2512
n-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
sec-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
tert-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Carbon disulfide	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Carbon tetrachloride	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Chlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Chloroethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Chloroform	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Chloromethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
2-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
4-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/21/03	13:49	S. Roberts	8260B	2512
Dibromochloromethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Dibromomethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195346
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	12/21/03	13:49	S. Roberts	8260B	2512
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
cis-1,2-Dichloroethene	0.0176	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Ethylbenzene	ND	mg/l	0.0010	1	12/21/03	13:49	S. Roberts	8260B	2512
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
2-Hexanone	ND	mg/l	0.00500	1	12/21/03	13:49	S. Roberts	8260B	2512
Isopropylbenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/21/03	13:49	S. Roberts	8260B	2512
Methylene chloride	ND	mg/l	0.00250	1	12/21/03	13:49	S. Roberts	8260B	2512
Naphthalene	ND	mg/l	0.00500	1	12/21/03	13:49	S. Roberts	8260B	2512
n-Propylbenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Styrene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Tetrachloroethene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Toluene	ND	mg/l	0.0010	1	12/21/03	13:49	S. Roberts	8260B	2512
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Trichloroethene	0.148	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/21/03	13:49	S. Roberts	8260B	2512
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Vinyl chloride	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512
Xylenes (Total)	ND	mg/l	0.0010	1	12/21/03	13:49	S. Roberts	8260B	2512
Bromodichloromethane	ND	mg/l	0.00100	1	12/21/03	13:49	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195346
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	12/21/03	13:49	S. Roberts	8260B	2512

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

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

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

Lab Number: 03-A195347
Sample ID: BR-01
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/12/03
Time Collected: 11:12
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/21/03	14:20	S. Roberts	8260B	2512
Benzene	ND	mg/l	0.0010	1	12/21/03	14:20	S. Roberts	8260B	2512
Bromobenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Bromochloromethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Bromoform	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Bromomethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
2-Butanone	ND	mg/l	0.0250	1	12/21/03	14:20	S. Roberts	8260B	2512
n-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
sec-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
tert-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Carbon disulfide	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Carbon tetrachloride	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Chlorobenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Chloroethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Chloroform	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Chloromethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
2-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
4-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/21/03	14:20	S. Roberts	8260B	2512
Dibromochloromethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Dibromomethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195347
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	12/21/03	14:20	S. Roberts	8260B	2512
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
cis-1,2-Dichloroethene	0.0617	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
trans-1,2-Dichloroethene	0.0206	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Ethylbenzene	ND	mg/l	0.0010	1	12/21/03	14:20	S. Roberts	8260B	2512
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
2-Hexanone	ND	mg/l	0.00500	1	12/21/03	14:20	S. Roberts	8260B	2512
Isopropylbenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/21/03	14:20	S. Roberts	8260B	2512
Methylene chloride	ND	mg/l	0.00250	1	12/21/03	14:20	S. Roberts	8260B	2512
Naphthalene	ND	mg/l	0.00500	1	12/21/03	14:20	S. Roberts	8260B	2512
n-Propylbenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Styrene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Tetrachloroethene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Toluene	ND	mg/l	0.0010	1	12/21/03	14:20	S. Roberts	8260B	2512
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Trichloroethene	0.127	mg/l	0.0100	10	12/22/03	16:11	S. Roberts	8260B	2526
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/21/03	14:20	S. Roberts	8260B	2512
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Vinyl chloride	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512
Xylenes (Total)	ND	mg/l	0.0010	1	12/21/03	14:20	S. Roberts	8260B	2512
Bromodichloromethane	ND	mg/l	0.00100	1	12/21/03	14:20	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195347
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	12/21/03	14:20	S. Roberts	8260B	2512

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	95.	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-A195348
Sample ID: BR-02
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/12/03
Time Collected: 14:06
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/24/03	16:42	C. Spry	8260B	4813
Benzene	ND	mg/l	0.0010	1	12/24/03	16:42	C. Spry	8260B	4813
Bromobenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Bromochloromethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Bromoform	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Bromomethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
2-Butanone	ND	mg/l	0.0250	1	12/24/03	16:42	C. Spry	8260B	4813
n-Butylbenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
sec-Butylbenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
tert-Butylbenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Carbon disulfide	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Carbon tetrachloride	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Chlorobenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Chloroethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Chloroform	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Chloromethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
2-Chlorotoluene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
4-Chlorotoluene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/24/03	16:42	C. Spry	8260B	4813
Dibromochloromethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Dibromomethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195348
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	12/24/03	16:42	C. Spry	8260B	4813
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
cis-1,2-Dichloroethene	0.0582	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
trans-1,2-Dichloroethene	0.0182	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Ethylbenzene	ND	mg/l	0.0010	1	12/24/03	16:42	C. Spry	8260B	4813
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
2-Hexanone	ND	mg/l	0.00500	1	12/24/03	16:42	C. Spry	8260B	4813
Isopropylbenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/24/03	16:42	C. Spry	8260B	4813
Methylene chloride	ND	mg/l	0.00250	1	12/24/03	16:42	C. Spry	8260B	4813
Naphthalene	ND	mg/l	0.00500	1	12/24/03	16:42	C. Spry	8260B	4813
n-Propylbenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Styrene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Tetrachloroethene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Toluene	ND	mg/l	0.0010	1	12/24/03	16:42	C. Spry	8260B	4813
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Trichloroethene	0.324	mg/l	0.0100	10	12/26/03	14:09	C. Spry	8260B	4830
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/24/03	16:42	C. Spry	8260B	4813
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Vinyl chloride	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813
Xylenes (Total)	ND	mg/l	0.0010	1	12/24/03	16:42	C. Spry	8260B	4813
Bromodichloromethane	ND	mg/l	0.00100	1	12/24/03	16:42	C. Spry	8260B	4813

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195348
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	12/24/03	16:42	C. Spry	8260B	4813

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	84.	70. - 133.
VOA Surr Toluene-d8	98.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	93.	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-A195349
Sample ID: BR-07
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/12/03
Time Collected: 15:04
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/21/03	15:23	S. Roberts	8260B	2512
Benzene	0.0044	mg/l	0.0010	1	12/21/03	15:23	S. Roberts	8260B	2512
Bromobenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Bromochloromethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Bromoform	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Bromomethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
2-Butanone	ND	mg/l	0.0250	1	12/21/03	15:23	S. Roberts	8260B	2512
n-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
sec-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
tert-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Carbon disulfide	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Carbon tetrachloride	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Chlorobenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Chloroethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Chloroform	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Chloromethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
2-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
4-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/21/03	15:23	S. Roberts	8260B	2512
Dibromochloromethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Dibromomethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195349
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	12/21/03	15:23	S. Roberts	8260B	2512
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
cis-1,2-Dichloroethene	0.0137	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
trans-1,2-Dichloroethene	0.00850	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Ethylbenzene	ND	mg/l	0.0010	1	12/21/03	15:23	S. Roberts	8260B	2512
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
2-Hexanone	ND	mg/l	0.00500	1	12/21/03	15:23	S. Roberts	8260B	2512
Isopropylbenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/21/03	15:23	S. Roberts	8260B	2512
Methylene chloride	ND	mg/l	0.00250	1	12/21/03	15:23	S. Roberts	8260B	2512
Naphthalene	ND	mg/l	0.00500	1	12/21/03	15:23	S. Roberts	8260B	2512
n-Propylbenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Styrene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Tetrachloroethene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Toluene	ND	mg/l	0.0010	1	12/21/03	15:23	S. Roberts	8260B	2512
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Trichloroethene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/21/03	15:23	S. Roberts	8260B	2512
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Vinyl chloride	0.0460	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512
Xylenes (Total)	ND	mg/l	0.0010	1	12/21/03	15:23	S. Roberts	8260B	2512
Bromodichloromethane	ND	mg/l	0.00100	1	12/21/03	15:23	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195349
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	12/21/03	15:23	S. Roberts	8260B	2512

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	93.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	96.	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

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

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

Lab Number: 03-A195351
Sample ID: BR-12
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/12/03
Time Collected: 16:04
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/21/03	16:27	S. Roberts	8260B	2512
Benzene	ND	mg/l	0.0010	1	12/21/03	16:27	S. Roberts	8260B	2512
Bromobenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Bromochloromethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Bromoform	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Bromomethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
2-Butanone	ND	mg/l	0.0250	1	12/21/03	16:27	S. Roberts	8260B	2512
n-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
sec-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
tert-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Carbon disulfide	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Carbon tetrachloride	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Chlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Chloroethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Chloroform	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Chloromethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
2-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
4-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/21/03	16:27	S. Roberts	8260B	2512
Dibromochloromethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Dibromomethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195351
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	12/21/03	16:27	S. Roberts	8260B	2512
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
cis-1,2-Dichloroethene	0.00220	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Ethylbenzene	ND	mg/l	0.0010	1	12/21/03	16:27	S. Roberts	8260B	2512
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
2-Hexanone	ND	mg/l	0.00500	1	12/21/03	16:27	S. Roberts	8260B	2512
Isopropylbenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/21/03	16:27	S. Roberts	8260B	2512
Methylene chloride	ND	mg/l	0.00250	1	12/21/03	16:27	S. Roberts	8260B	2512
Naphthalene	ND	mg/l	0.00500	1	12/21/03	16:27	S. Roberts	8260B	2512
n-Propylbenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Styrene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Tetrachloroethene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Toluene	ND	mg/l	0.0010	1	12/21/03	16:27	S. Roberts	8260B	2512
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Trichloroethene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/21/03	16:27	S. Roberts	8260B	2512
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Vinyl chloride	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512
Xylenes (Total)	ND	mg/l	0.0010	1	12/21/03	16:27	S. Roberts	8260B	2512
Bromodichloromethane	ND	mg/l	0.00100	1	12/21/03	16:27	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195351
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	12/21/03	16:27	S. Roberts	8260B	2512

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	92.	70. - 133.
VOA Surr Toluene-d8	94.	76. - 123.
VOA Surr, 4-BFB	94.	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

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KNOXVILLE, TN 37932-1968

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

Lab Number: 03-A195352
Sample ID: QATB02
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/13/03
Time Collected:
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/21/03	16:58	S. Roberts	8260B	2512
Benzene	ND	mg/l	0.0010	1	12/21/03	16:58	S. Roberts	8260B	2512
Bromobenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Bromochloromethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Bromoform	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Bromomethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
2-Butanone	ND	mg/l	0.0250	1	12/21/03	16:58	S. Roberts	8260B	2512
n-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
sec-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
tert-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Carbon disulfide	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Carbon tetrachloride	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Chlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Chloroethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Chloroform	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Chloromethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
2-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
4-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/21/03	16:58	S. Roberts	8260B	2512
Dibromochloromethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Dibromomethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195352
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	12/21/03	16:58	S. Roberts	8260B	2512
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Ethylbenzene	ND	mg/l	0.0010	1	12/21/03	16:58	S. Roberts	8260B	2512
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
2-Hexanone	ND	mg/l	0.00500	1	12/21/03	16:58	S. Roberts	8260B	2512
Isopropylbenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/21/03	16:58	S. Roberts	8260B	2512
Methylene chloride	ND	mg/l	0.00250	1	12/21/03	16:58	S. Roberts	8260B	2512
Naphthalene	ND	mg/l	0.00500	1	12/21/03	16:58	S. Roberts	8260B	2512
n-Propylbenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Styrene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Tetrachloroethene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Toluene	ND	mg/l	0.0010	1	12/21/03	16:58	S. Roberts	8260B	2512
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Trichloroethene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/21/03	16:58	S. Roberts	8260B	2512
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Vinyl chloride	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512
Xylenes (Total)	ND	mg/l	0.0010	1	12/21/03	16:58	S. Roberts	8260B	2512
Bromodichloromethane	ND	mg/l	0.00100	1	12/21/03	16:58	S. Roberts	8260B	2512

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195352
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	12/21/03	16:58	S. Roberts	8260B	2512

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	91.	70. - 133.
VOA Surr Toluene-d8	94.	76. - 123.
VOA Surr, 4-BFB	97.	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

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

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

Lab Number: 03-A195353
Sample ID: QAFB02
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/13/03
Time Collected: 8:07
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/21/03	23:18	S. Roberts	8260B	2519
Benzene	ND	mg/l	0.0010	1	12/21/03	23:18	S. Roberts	8260B	2519
Bromobenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Bromochloromethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Bromoform	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Bromomethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
2-Butanone	ND	mg/l	0.0250	1	12/21/03	23:18	S. Roberts	8260B	2519
n-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
sec-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
tert-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Carbon disulfide	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Carbon tetrachloride	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Chlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Chloroethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Chloroform	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Chloromethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
2-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
4-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/21/03	23:18	S. Roberts	8260B	2519
Dibromochloromethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Dibromomethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195353
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	12/21/03	23:18	S. Roberts	8260B	2519
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Ethylbenzene	ND	mg/l	0.0010	1	12/21/03	23:18	S. Roberts	8260B	2519
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
2-Hexanone	ND	mg/l	0.00500	1	12/21/03	23:18	S. Roberts	8260B	2519
Isopropylbenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/21/03	23:18	S. Roberts	8260B	2519
Methylene chloride	ND	mg/l	0.00250	1	12/21/03	23:18	S. Roberts	8260B	2519
Naphthalene	ND	mg/l	0.00500	1	12/21/03	23:18	S. Roberts	8260B	2519
n-Propylbenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Styrene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Tetrachloroethene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Toluene	ND	mg/l	0.0010	1	12/21/03	23:18	S. Roberts	8260B	2519
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Trichloroethene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/21/03	23:18	S. Roberts	8260B	2519
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Vinyl chloride	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519
Xylenes (Total)	ND	mg/l	0.0010	1	12/21/03	23:18	S. Roberts	8260B	2519
Bromodichloromethane	ND	mg/l	0.00100	1	12/21/03	23:18	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195353
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	12/21/03	23:18	S. Roberts	8260B	2519

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	97.	71. - 132.
VOA Surr, DBFM	95.	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-A195354
Sample ID: QARB02
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/13/03
Time Collected: 8:20
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/21/03	23:49	S. Roberts	8260B	2519
Benzene	ND	mg/l	0.0010	1	12/21/03	23:49	S. Roberts	8260B	2519
Bromobenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Bromochloromethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Bromoform	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Bromomethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
2-Butanone	ND	mg/l	0.0250	1	12/21/03	23:49	S. Roberts	8260B	2519
n-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
sec-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
tert-Butylbenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Carbon disulfide	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Carbon tetrachloride	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Chlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Chloroethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Chloroform	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Chloromethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
2-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
4-Chlorotoluene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/21/03	23:49	S. Roberts	8260B	2519
Dibromochloromethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Dibromomethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195354
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	12/21/03	23:49	S. Roberts	8260B	2519
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Ethylbenzene	ND	mg/l	0.0010	1	12/21/03	23:49	S. Roberts	8260B	2519
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
2-Hexanone	ND	mg/l	0.00500	1	12/21/03	23:49	S. Roberts	8260B	2519
Isopropylbenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/21/03	23:49	S. Roberts	8260B	2519
Methylene chloride	ND	mg/l	0.00250	1	12/21/03	23:49	S. Roberts	8260B	2519
Naphthalene	ND	mg/l	0.00500	1	12/21/03	23:49	S. Roberts	8260B	2519
n-Propylbenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Styrene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Tetrachloroethene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Toluene	ND	mg/l	0.0010	1	12/21/03	23:49	S. Roberts	8260B	2519
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Trichloroethene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/21/03	23:49	S. Roberts	8260B	2519
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Vinyl chloride	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519
Xylenes (Total)	ND	mg/l	0.0010	1	12/21/03	23:49	S. Roberts	8260B	2519
Bromodichloromethane	ND	mg/l	0.00100	1	12/21/03	23:49	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195354
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	12/21/03	23:49	S. Roberts	8260B	2519

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	95.	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-A195355
Sample ID: BR-13
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/13/03
Time Collected: 8:59
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	0:21	S. Roberts	8260B	2519
Benzene	ND	mg/l	0.0010	1	12/22/03	0:21	S. Roberts	8260B	2519
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Bromoform	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Bromomethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
2-Butanone	ND	mg/l	0.0250	1	12/22/03	0:21	S. Roberts	8260B	2519
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Chloroethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Chloroform	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Chloromethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	0:21	S. Roberts	8260B	2519
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195355
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	12/22/03	0:21	S. Roberts	8260B	2519
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	0:21	S. Roberts	8260B	2519
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	0:21	S. Roberts	8260B	2519
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	0:21	S. Roberts	8260B	2519
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	0:21	S. Roberts	8260B	2519
Naphthalene	ND	mg/l	0.00500	1	12/22/03	0:21	S. Roberts	8260B	2519
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Styrene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Tetrachloroethene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Toluene	ND	mg/l	0.0010	1	12/22/03	0:21	S. Roberts	8260B	2519
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Trichloroethene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	0:21	S. Roberts	8260B	2519
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Vinyl chloride	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	0:21	S. Roberts	8260B	2519
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	0:21	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195355
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	12/22/03	0:21	S. Roberts	8260B	2519

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	92.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	95.	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

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

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

Lab Number: 03-A195356
Sample ID: BR-15
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/13/03
Time Collected: 10:01
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	0:53	S. Roberts	8260B	2519
Benzene	ND	mg/l	0.0010	1	12/22/03	0:53	S. Roberts	8260B	2519
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Bromoform	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Bromomethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
2-Butanone	ND	mg/l	0.0250	1	12/22/03	0:53	S. Roberts	8260B	2519
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Chloroethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Chloroform	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Chloromethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	0:53	S. Roberts	8260B	2519
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195356
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	12/22/03	0:53	S. Roberts	8260B	2519
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,1-Dichloroethene	0.00280	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
cis-1,2-Dichloroethene	0.194	mg/l	0.00500	5	12/24/03	0:22	S. Roberts	8260B	3631
trans-1,2-Dichloroethene	0.0249	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	0:53	S. Roberts	8260B	2519
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	0:53	S. Roberts	8260B	2519
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	0:53	S. Roberts	8260B	2519
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	0:53	S. Roberts	8260B	2519
Naphthalene	ND	mg/l	0.00500	1	12/22/03	0:53	S. Roberts	8260B	2519
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Styrene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Tetrachloroethene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Toluene	ND	mg/l	0.0010	1	12/22/03	0:53	S. Roberts	8260B	2519
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Trichloroethene	2.00	mg/l	0.500	500	12/24/03	0:53	S. Roberts	8260B	3634
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	0:53	S. Roberts	8260B	2519
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Vinyl chloride	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	0:53	S. Roberts	8260B	2519
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	0:53	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195356
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	12/22/03	0:53	S. Roberts	8260B	2519

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	92.	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-A195357
Sample ID: BR-10
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/13/03
Time Collected: 10:59
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	1:24	S. Roberts	8260B	2519
Benzene	ND	mg/l	0.0010	1	12/22/03	1:24	S. Roberts	8260B	2519
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Bromoform	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Bromomethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
2-Butanone	ND	mg/l	0.0250	1	12/22/03	1:24	S. Roberts	8260B	2519
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Chloroethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Chloroform	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Chloromethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	1:24	S. Roberts	8260B	2519
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195357
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	12/22/03	1:24	S. Roberts	8260B	2519
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,1-Dichloroethene	0.00140	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
cis-1,2-Dichloroethene	0.442	mg/l	0.0100	10	12/22/03	18:49	S. Roberts	8260B	2526
trans-1,2-Dichloroethene	0.0364	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	1:24	S. Roberts	8260B	2519
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	1:24	S. Roberts	8260B	2519
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	1:24	S. Roberts	8260B	2519
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	1:24	S. Roberts	8260B	2519
Naphthalene	ND	mg/l	0.00500	1	12/22/03	1:24	S. Roberts	8260B	2519
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Styrene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Tetrachloroethene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Toluene	ND	mg/l	0.0010	1	12/22/03	1:24	S. Roberts	8260B	2519
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Trichloroethene	1.42	mg/l	0.0100	10	12/22/03	18:49	S. Roberts	8260B	2526
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	1:24	S. Roberts	8260B	2519
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Vinyl chloride	0.00880	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	1:24	S. Roberts	8260B	2519
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	1:24	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195357
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	12/22/03	1:24	S. Roberts	8260B	2519

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	95.	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

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

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

Lab Number: 03-A195358
Sample ID: W-6
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/13/03
Time Collected: 11:15
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	1:56	S. Roberts	8260B	2519
Benzene	ND	mg/l	0.0010	1	12/22/03	1:56	S. Roberts	8260B	2519
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Bromoform	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Bromomethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
2-Butanone	ND	mg/l	0.0250	1	12/22/03	1:56	S. Roberts	8260B	2519
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Chloroethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Chloroform	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Chloromethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	1:56	S. Roberts	8260B	2519
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195358
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	12/22/03	1:56	S. Roberts	8260B	2519
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
cis-1,2-Dichloroethene	0.00460	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	1:56	S. Roberts	8260B	2519
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	1:56	S. Roberts	8260B	2519
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	1:56	S. Roberts	8260B	2519
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	1:56	S. Roberts	8260B	2519
Naphthalene	ND	mg/l	0.00500	1	12/22/03	1:56	S. Roberts	8260B	2519
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Styrene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Tetrachloroethene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Toluene	ND	mg/l	0.0010	1	12/22/03	1:56	S. Roberts	8260B	2519
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Trichloroethene	0.00170	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	1:56	S. Roberts	8260B	2519
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Vinyl chloride	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	1:56	S. Roberts	8260B	2519
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	1:56	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195358
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	12/22/03	1:56	S. Roberts	8260B	2519

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	95.	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-A195359
Sample ID: OB-04
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/14/03
Time Collected: 8:45
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	2:28	S. Roberts	8260B	2519
Benzene	ND	mg/l	0.0010	1	12/22/03	2:28	S. Roberts	8260B	2519
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Bromoform	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Bromomethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
2-Butanone	ND	mg/l	0.0250	1	12/22/03	2:28	S. Roberts	8260B	2519
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Chloroethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Chloroform	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Chloromethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	2:28	S. Roberts	8260B	2519
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195359
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	12/22/03	2:28	S. Roberts	8260B	2519
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
cis-1,2-Dichloroethene	0.00300	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	2:28	S. Roberts	8260B	2519
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	2:28	S. Roberts	8260B	2519
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	2:28	S. Roberts	8260B	2519
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	2:28	S. Roberts	8260B	2519
Naphthalene	ND	mg/l	0.00500	1	12/22/03	2:28	S. Roberts	8260B	2519
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Styrene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Tetrachloroethene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Toluene	ND	mg/l	0.0010	1	12/22/03	2:28	S. Roberts	8260B	2519
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Trichloroethene	0.0233	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	2:28	S. Roberts	8260B	2519
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Vinyl chloride	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	2:28	S. Roberts	8260B	2519
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	2:28	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195359
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	12/22/03	2:28	S. Roberts	8260B	2519

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	92.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	97.	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

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

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

Lab Number: 03-A195360
Sample ID: BR-04
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/14/03
Time Collected: 9:56
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	2:59	S. Roberts	8260B	2519
Benzene	ND	mg/l	0.0010	1	12/22/03	2:59	S. Roberts	8260B	2519
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Bromoform	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Bromomethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
2-Butanone	ND	mg/l	0.0250	1	12/22/03	2:59	S. Roberts	8260B	2519
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Chloroethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Chloroform	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Chloromethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	2:59	S. Roberts	8260B	2519
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195360
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	12/22/03	2:59	S. Roberts	8260B	2519
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,1-Dichloroethene	0.00620	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
cis-1,2-Dichloroethene	0.507	mg/l	0.0100	10	12/22/03	22:31	S. Roberts	8260B	3355
trans-1,2-Dichloroethene	0.0519	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	2:59	S. Roberts	8260B	2519
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	2:59	S. Roberts	8260B	2519
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	2:59	S. Roberts	8260B	2519
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	2:59	S. Roberts	8260B	2519
Naphthalene	ND	mg/l	0.00500	1	12/22/03	2:59	S. Roberts	8260B	2519
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Styrene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Tetrachloroethene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Toluene	ND	mg/l	0.0010	1	12/22/03	2:59	S. Roberts	8260B	2519
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Trichloroethene	3.65	mg/l	0.500	500	12/22/03	23:02	S. Roberts	8260B	3366
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	2:59	S. Roberts	8260B	2519
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Vinyl chloride	0.0143	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	2:59	S. Roberts	8260B	2519
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	2:59	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195360
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	12/22/03	2:59	S. Roberts	8260B	2519

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	98.	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

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

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

Lab Number: 03-A195361
Sample ID: BR-05
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected:
Time Collected: 13:24
Date Received: 12/16/03
Time Received: 8:15
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	15:07	S. Roberts	8260B	2526
Benzene	ND	mg/l	0.0010	1	12/22/03	15:07	S. Roberts	8260B	2526
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Bromoform	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Bromomethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
2-Butanone	ND	mg/l	0.0250	1	12/22/03	15:07	S. Roberts	8260B	2526
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Chloroethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Chloroform	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Chloromethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	15:07	S. Roberts	8260B	2526
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195361
Sample ID: BR-05
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	12/22/03	15:07	S. Roberts	8260B	2526
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
cis-1,2-Dichloroethene	0.00370	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	15:07	S. Roberts	8260B	2526
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	15:07	S. Roberts	8260B	2526
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	15:07	S. Roberts	8260B	2526
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	15:07	S. Roberts	8260B	2526
Naphthalene	ND	mg/l	0.00500	1	12/22/03	15:07	S. Roberts	8260B	2526
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Styrene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Tetrachloroethene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Toluene	ND	mg/l	0.0010	1	12/22/03	15:07	S. Roberts	8260B	2526
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Trichloroethene	0.00120	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	15:07	S. Roberts	8260B	2526
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Vinyl chloride	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	15:07	S. Roberts	8260B	2526
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	15:07	S. Roberts	8260B	2526

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195361
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	12/22/03	15:07	S. Roberts	8260B	2526

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	95.	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

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

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

Lab Number: 03-A195362
Sample ID: OB-05
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected:
Time Collected: 14:52
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	4:03	S. Roberts	8260B	2519
Benzene	ND	mg/l	0.0010	1	12/22/03	4:03	S. Roberts	8260B	2519
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Bromoform	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Bromomethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
2-Butanone	ND	mg/l	0.0250	1	12/22/03	4:03	S. Roberts	8260B	2519
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Chloroethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Chloroform	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Chloromethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	4:03	S. Roberts	8260B	2519
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195362
Sample ID: OB-05
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	12/22/03	4:03	S. Roberts	8260B	2519
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
cis-1,2-Dichloroethene	0.00260	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	4:03	S. Roberts	8260B	2519
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	4:03	S. Roberts	8260B	2519
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	4:03	S. Roberts	8260B	2519
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	4:03	S. Roberts	8260B	2519
Naphthalene	ND	mg/l	0.00500	1	12/22/03	4:03	S. Roberts	8260B	2519
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Styrene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Tetrachloroethene	0.00140	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Toluene	ND	mg/l	0.0010	1	12/22/03	4:03	S. Roberts	8260B	2519
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Trichloroethene	0.135	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	4:03	S. Roberts	8260B	2519
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Vinyl chloride	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	4:03	S. Roberts	8260B	2519
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	4:03	S. Roberts	8260B	2519

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195362
Sample ID: OB-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	12/22/03	4:03	S. Roberts	8260B	2519

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	92.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	95.	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

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

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

Lab Number: 03-A195363
Sample ID: BR-09
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/15/03
Time Collected: 9:31
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	9:19	S. Roberts	8260B	2526
Benzene	ND	mg/l	0.0010	1	12/22/03	9:19	S. Roberts	8260B	2526
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Bromoform	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Bromomethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
2-Butanone	ND	mg/l	0.0250	1	12/22/03	9:19	S. Roberts	8260B	2526
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Chloroethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Chloroform	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Chloromethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	9:19	S. Roberts	8260B	2526
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195363
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	12/22/03	9:19	S. Roberts	8260B	2526
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
cis-1,2-Dichloroethene	0.199	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
trans-1,2-Dichloroethene	0.00150	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	9:19	S. Roberts	8260B	2526
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	9:19	S. Roberts	8260B	2526
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	9:19	S. Roberts	8260B	2526
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	9:19	S. Roberts	8260B	2526
Naphthalene	ND	mg/l	0.00500	1	12/22/03	9:19	S. Roberts	8260B	2526
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Styrene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Tetrachloroethene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Toluene	ND	mg/l	0.0010	1	12/22/03	9:19	S. Roberts	8260B	2526
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Trichloroethene	0.00170	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	9:19	S. Roberts	8260B	2526
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Vinyl chloride	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	9:19	S. Roberts	8260B	2526
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	9:19	S. Roberts	8260B	2526

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195363
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	12/22/03	9:19	S. Roberts	8260B	2526

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	96.	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

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

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

Lab Number: 03-A195364
Sample ID: OB-08
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/15/03
Time Collected: 10:36
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	9:50	S. Roberts	8260B	2526
Benzene	ND	mg/l	0.0010	1	12/22/03	9:50	S. Roberts	8260B	2526
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Bromoform	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Bromomethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
2-Butanone	ND	mg/l	0.0250	1	12/22/03	9:50	S. Roberts	8260B	2526
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Chloroethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Chloroform	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Chloromethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	9:50	S. Roberts	8260B	2526
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195364
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	12/22/03	9:50	S. Roberts	8260B	2526
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,1-Dichloroethene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
cis-1,2-Dichloroethene	0.0108	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
trans-1,2-Dichloroethene	0.00150	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	9:50	S. Roberts	8260B	2526
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	9:50	S. Roberts	8260B	2526
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	9:50	S. Roberts	8260B	2526
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	9:50	S. Roberts	8260B	2526
Naphthalene	ND	mg/l	0.00500	1	12/22/03	9:50	S. Roberts	8260B	2526
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Styrene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Tetrachloroethene	0.00330	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Toluene	ND	mg/l	0.0010	1	12/22/03	9:50	S. Roberts	8260B	2526
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Trichloroethene	1.36	mg/l	0.100	100	12/22/03	21:59	S. Roberts	8260B	3355
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	9:50	S. Roberts	8260B	2526
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Vinyl chloride	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	9:50	S. Roberts	8260B	2526
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	9:50	S. Roberts	8260B	2526

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A195364
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	12/22/03	9:50	S. Roberts	8260B	2526

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	93.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	97.	71. - 132.
VOA Surr, DBFM	95.	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-A195365
Sample ID: BR-11
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 12/15/03
Time Collected: 13:02
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.250	1	12/22/03	10:22	S. Roberts	8260B	2526
Benzene	ND	mg/l	0.0010	1	12/22/03	10:22	S. Roberts	8260B	2526
Bromobenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Bromochloromethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Bromoform	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Bromomethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
2-Butanone	ND	mg/l	0.0250	1	12/22/03	10:22	S. Roberts	8260B	2526
n-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
sec-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
tert-Butylbenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Carbon disulfide	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Carbon tetrachloride	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Chlorobenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Chloroethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Chloroform	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Chloromethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
2-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
4-Chlorotoluene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	12/22/03	10:22	S. Roberts	8260B	2526
Dibromochloromethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,2-Dibromoethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Dibromomethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Dichlorodifluoromethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION
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ANALYTICAL REPORT

Laboratory Number: 03-A195365
Sample ID: BR-11
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	12/22/03	10:22	S. Roberts	8260B	2526
1,2-Dichloroethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,1-Dichloroethene	0.00190	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
cis-1,2-Dichloroethene	0.320	mg/l	0.00500	5	12/25/03	0:36	C. Spry	8260B	4819
trans-1,2-Dichloroethene	0.0602	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,3-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
2,2-Dichloropropane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,1-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Ethylbenzene	ND	mg/l	0.0010	1	12/22/03	10:22	S. Roberts	8260B	2526
Hexachlorobutadiene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
2-Hexanone	ND	mg/l	0.00500	1	12/22/03	10:22	S. Roberts	8260B	2526
Isopropylbenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
p-Isopropyltoluene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	12/22/03	10:22	S. Roberts	8260B	2526
Methylene chloride	ND	mg/l	0.00250	1	12/22/03	10:22	S. Roberts	8260B	2526
Naphthalene	ND	mg/l	0.00500	1	12/22/03	10:22	S. Roberts	8260B	2526
n-Propylbenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Styrene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Tetrachloroethene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Toluene	ND	mg/l	0.0010	1	12/22/03	10:22	S. Roberts	8260B	2526
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Trichloroethene	0.0176	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	12/22/03	10:22	S. Roberts	8260B	2526
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Vinyl chloride	0.0390	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526
Xylenes (Total)	ND	mg/l	0.0010	1	12/22/03	10:22	S. Roberts	8260B	2526
Bromodichloromethane	ND	mg/l	0.00100	1	12/22/03	10:22	S. Roberts	8260B	2526

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

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ANALYTICAL REPORT

Laboratory Number: 03-A195365
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	12/22/03	10:22	S. Roberts	8260B	2526

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	84.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	99.	71. - 132.
VOA Surr, DBFM	92.	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.

357963

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 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:

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#: MEC0803005

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-03	12/12/03	845	G		GW		3						3						19534		
BR-14	12/12/03	1010	G		GW		3						3						6		
BR-01	12/12/03	1112	G		GW		3						3						7		
BR-02	12/12/03	1406	G		GW		3						3						8		
BR-17	12/12/03	1504	G		GW		3						3						9		
BR-17 (dup)	12/12/03	1504	G		GW		3						3						50		
BR-12	12/12/03	1604	G		GW		3						3						51		
BR-12 (MS)	12/12/03	1607	G		GW		3						3						51		matrix spike
BR-12 (MSD)	12/12/03	1607	G		GW		3						3						51		m.sp. dupl.
CATB02	12/13/03	000	G		GW		1						1						14553 52		

Special Instructions:

Relinquished By:	Date: 12/15/03	Time: 700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 12/16/03	Time: 0815

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 1.2
Custody Seals: X 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

357963

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 Peevler
Sampler Signature: Janna Peevler

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#: MEC030300015

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
QAFB02	12/13/03	807	G		GW		3						3	None	195353
QARB02	12/13/03	820	G		GW		3						3	Level 2 (Batch QC)	4
BR-13	12/13/03	859	G		GW		3						3	Level 3	5
BR-15	12/13/03	1001	G		GW		3						3	Level 4	6
BR-17	12/13/03	1059	G		GW		3						3	Other: _____	7
MW-6	12/13/03	1115	G		GW		3						3		8
OB-04	12/14/03	845	G		GW		3						3		9
BR-04	12/14/03	956	G		GW		3						3		60
BR-05	12/17/03	1324	G		GW		3						3		1
OB-05	12/17/03	1452	G		GW		3						3		195362

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 Peevler	12/15/03	1700			
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: JG	Date:	Time:

357963

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: [signature]

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 12102.217.199 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-09	12/15/03	931	G		GW		3						3		1453
CB-05	12/15/03	1036	G		GW		3						3		1453
BR-11	12/15/03	1302	G		GW		3						3		1453

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

Special Instructions:

Relinquished By: [signature]	Date: 12/15/03	Time: 1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: SA	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:

APPENDIX C

CHAIN-OF-CUSTODY FORMS

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 _____

357539

Client Name: MACTEC Client #: 4997
Address: 1431 Center Point Blvd Suite 150
City/State/Zip Code: Knoxville TN 37909
Project Manager: Rick Ryan
Telephone Number: 865.531.1922 Fax:
Sampler Name: (Print Name) Janna Peeler
Sampler Signature:

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan Janna Peeler
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
QATB01	12/9/03	1105	G		GW		1						1	393 trip blank
QAFB01	12/9/03	1115	G		GW		3						3	394 field blank
QARB01	12/9/03	1125	G		GW		3						3	395 rinsate blank
W-2	12/9/03	1326	G		GW		3						3	396
BR-06	12/9/03	1405	G		GW		3						3	397
TW-04	12/9/03	1457	G		GW		3						3	398
TW-17	12/9/03	1612	G		GW		3						3	399
TW-20	12/10/03	843	G		GW		3						3	400
TW-07	12/10/03	918	G		GW		3						3	401
TW-09	12/10/03	1111	G		GW		3						3	402

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		Date	Time
Relinquished By:	12/11/03	1702	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	12/12/03	0805

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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 _____

357539

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

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan Janna Peerless
Invoice To: Rick Ryan
Quote #: 12102.217.199 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
OB-09	12/10/03	1540	G		GW		3						3					193403						
OB-07	12/10/03	1636	G		GW		3						3					404						
OB-07 (MS)	12/10/03	1638	G		GW		3						3											matrix spike
OB-07 (MSD)	12/10/03	1638	G		GW		3						3											m.spike dupl.
W-5	12/11/03	950	G		GW		3						3					405						
W-5 (dup)	12/11/03	952	G		GW		3						3					406						
OB-06	12/11/03	1253	G		GW		3						3					407						
BR-08	12/11/03	1430	G		GW		3						3					408						
BR-17	12/11/03	1518	G		GW		3						3					409						
					6																			

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 Peerless	12/11/03	1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date: 12/12/03	Time: 8:05

TestAmerica
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Nashville, TN 37204

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

57963

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 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:

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan
Invoice To: Rick Ryan
Quote #: 12102.217.199 PO#: MECOB030015

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)						1,4-Dioxane			REMARKS
BR-03	12/12/03	845	G		GW		3						3						1,4-Dioxane	3	45	
BR-14	12/12/03	1010	G		GW		3						3								6	
BR-01	12/12/03	1112	G		GW		3						3								7	
BR-02	12/12/03	1406	G		GW		3						3								8	
BR-07	12/12/03	1504	G		GW		3						3								9	
BR-07 (dup)	12/12/03	1506	G		GW		3						3								50	
BR-12	12/12/03	1604	G		GW		3						3								51	
BR-12 (MS)	12/12/03	1607	G		GW		3						3								51	matrix spike
BR-12 (MSD)	12/12/03	1607	G		GW		3						3								51	m. sp. dupl.
QATB02	12/13/03	000	G		GW		1						1							1	53	

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 1.2
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date	Time		Date	Time
Relinquished By:	12/15/03	1700	Received By:		
Relinquished By:			Received By:		
Relinquished By:			Received By:	12/16/03	0815

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

57963

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 Peevler
Sampler Signature: Janna Peevler

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#: MEC030300015

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
QAFB02	12/13/03	807	G		GW		3						3		195353
QARB02	12/13/03	820	G		GW		3						3		4
BR-13	12/13/03	859	G		GW		3						3		5
BR-15	12/13/03	1001	G		GW		3						3		6
BR-10	12/13/03	1059	G		GW		3						3		7
MW-6	12/13/03	1115	G		GW		3						3		8
OB-04	12/14/03	845	G		GW		3						3		9
BR-04	12/14/03	956	G		GW		3						3		60
BR-05	12/17/03	1324	G		GW		3						3		1
OB-05	12/17/03	1452	G		GW		3						3		195362

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

Special Instructions:

Relinquished By:	Date: 12/15/03	Time: 1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: SF6	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

57963

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:

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#: MEC030015

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-09	12/15/03	931	G		GW		3						3	149263
CB-08	12/15/03	1036	G		GW		3						3	64
BR-11	12/15/03	1302	G		GW		3						3	149365

Special Instructions:

Relinquished By:	Date: 12/15/03	Time: 1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: SP6	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:

APPENDIX D

FIELD DATA RECORDS

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/9/03

SITE ID: QAFB01

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1110 END 1118

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	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

field blank collected @ 1115

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/13/03

SITE ID: QAFB02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 755 END 810

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
FINAL DEPTH TO WATER	FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM
DRAWDOWN	FT	DRAWDOWN VOLUME	GAL	PRODUCT THICKNESS	FT

WELL DIAMETER: _____ IN

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

field blank

Collected @ 807

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/9/03

SITE ID: QARB01

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1120 END 1128

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
- ☒ 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 @ 1125

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/13/03

SITE ID: QARB02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 812 END 824

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	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

rinse blank collected off tubing @ 820

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/9/03

SITE ID: QATBØ1

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1105 END 1110

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	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 4th Qtr Sampling Event

DATE: 12/13/03

SITE ID: QATB02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 750 END 755

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

trip blank

time listed as 0:00

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 4th Qtr Sampling Event
DATE: 12/9/03
SITE ID: W-2
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1238 END 1330
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	8.61 FT	WELL DEPTH	FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	9.61 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	1.00 FT	DRAWDOWN VOLUME	0.16 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: 1300
END PURGING: 1329
TOTAL VOL. PURGED: 0.79 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
1307	0.93	7.71	0.54	21.2	6.98	5.17	11.86	59	≈ 133 mL/min
1311	1.43	7.72	0.55	22.6	6.40	5.11	11.00	64	≈ 125 mL/min
1318	1.93	7.69	0.54	18.3	5.53	4.66	12.32	43	≈ 72 mL/min
1324	2.43	7.90	0.54	25.3	5.46	4.63	11.75	63	≈ 83 mL/min
1326	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

1307 DTW = 9.50 ft
1311 DTW = 9.59 ft.
1318 DTW = 9.60 ft.
1324 DTW = 9.59 ft.

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/11/03

SITE ID: W-5

SITE TYPE: Monitor Well

SITE ACTIVITY: START 900 END 1010

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	6.70 FT	WELL DEPTH	21.8 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	8.39 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	1.69 FT	DRAWDOWN VOLUME	0.27 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: 0.08 L/MIN

BEGIN PURGING: 915

END PURGING: 1000

TOTAL VOL. PURGED: 0.96 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
924	0.78	7.15	1.13	26.3	2.55	0.92	12.85	-9	≈87 mL/min
931	1.36	7.17	1.12	24.7	2.01	0.79	13.00	-17	≈83 mL/min
938	1.92	7.17	1.12	24.4	1.74	0.65	12.90	-20	≈80 mL/min
945	2.54	7.18	1.12	23.2	1.44	0.61	13.00	-27	≈77 mL/min
950	collect samples for 8260								
952	collect samples for W-5 (dup)								

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

924 DTW = 7.56

931 DTW = 7.83

938 DTW = 8.08

945 DTW = 8.20

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/11/03

SITE ID: W-6

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1017 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: 4.16 FT

WELL DEPTH: 11.30 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: 4 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: 1024

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
1034	0.91	10.34	1.26	31.6	6.00	4.28	10.51	-17	≈91 mL/min
1040	1.46	10.33	1.24	36.6	5.35	4.65	11.51	-13	≈91 mL/min
	cannot minimize drawdown; will purge dry and								
	sample following recharge								
12/13 1115	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

1034 DTW = 5.51

1040 DTW = 6.39

12/13 1110 DTW = 9.19

GW_Sample_Form.xls

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 4th Qtr Sampling Event
DATE: 12/9/03
SITE ID: TW-04
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1425 END 1505
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	9.60 FT	WELL DEPTH	20.72 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	11.04 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	1.44 FT	DRAWDOWN VOLUME	0.23 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: 1431
END PURGING: 1500
TOTAL VOL. PURGED: 0.79 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
1439	0.80	~~4.33~~ 7.28	1.02	26.9	4.24	1.59	11.92	22	≈100 mL/min
1444	1.36	7.28	1.02	24.6	3.84	0.21	12.06	7	≈111 mL/min
1449	1.89	7.30	1.02	23.0	3.50	0.41	11.99	-6	≈105 mL/min
1455	2.49	7.31	1.02	23.3	3.17	0.26	11.91	11	≈100 mL/min
1457	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

1439 DTW = 10.40
1444 DTW = 10.66
1449 DTW = 10.88
1455 DTW = 11.04

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/10/03

SITE ID: TW-07

SITE TYPE: Monitor Well

SITE ACTIVITY: START 905 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	9.17 FT	WELL DEPTH	20.72 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	9.48 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.31 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))

WELL INTEGRITY:	YES	NO	N/A
CAP	✓	—	—
CASING	X	—	—
LOCKED	X	—	—
COLLAR	X	—	—

PURGE RATE: 0.09 L/MIN

BEGIN PURGING: 909

END PURGING: 951

TOTAL VOL. PURGED: 1.00 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
920	0.96	6.91	1.90	24.7	1.48	0.29	12.28	28	≈87 mL/min
926	1.56	6.91	1.90	23.0	1.07	0.24	12.45	15	≈100 mL/min
931	2.04	6.91	1.89	26.1	3.38	0.18	12.57	10	≈95 mL/min
938	2.62	6.88	1.87	27.4	2.23	0.16	12.65	13	≈83 mL/min
944	3.19	6.85	1.86	30.4	2.03	0.14	12.61	15	≈95 mL/min
948	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

920 DTW = 9.28

926 DTW = 9.32

931 DTW = 9.38

938 DTW = 9.43

944 DTW = 9.50

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/10/03

SITE ID: TW-09

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1030 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	9.39 FT	WELL DEPTH	17.7 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	9.49 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.10 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))

WELL INTEGRITY:

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

PURGE RATE: 0.09 L/MIN

BEGIN PURGING: 1035

END PURGING: 1114

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
1046	0.9L	7.40	0.98	25.1	3.41	2.04	12.60	27	≈87 mL/min
1052	1.48	7.37	0.99	23.9	2.91	1.88	12.67	19	≈87 mL/min
1058	2.08	7.37	0.99	22.6	4.28	1.70	12.85	7	≈100 mL/min
1103	2.53	7.38	0.99	23.9	4.11	1.61	13.07	1	≈91 mL/min
1109	3.13	7.37	0.99	25.4	4.04	1.58	12.91	2	≈100 mL/min
1111	collect sample 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

1046 DTW = 9.51

1052 DTW = 9.51

1058 DTW = 9.51

1103 DTW = 9.54

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/9/03

SITE ID: TW-17

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1540 END 1622

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	7.82 FT	WELL DEPTH	17.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	7.99 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.17 FT	DRAWDOWN VOLUME	0.03 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: 1547

END PURGING: 1617

TOTAL VOL. PURGED: 0.8 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
1555	0.70	7.13	1.06	24.4	5.96	4.23	11.44	52	≈100 mL/min
1601	1.30	7.14	1.06	22.2	5.60	3.66	11.46	38	≈100 mL/min
1606	1.86	7.15	1.06	20.3	5.33	3.93	11.56	38	≈111 mL/min
1610	2.28	7.16	1.06	22.4	5.21	3.13	11.60	42	≈105 mL/min
1612	collect sample 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

1555 DTW = 8.04

1601 DTW = 8.05

1606 DTW = 8.09

1610 DTW = 8.07

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/16/03

SITE ID: TW-20

SITE TYPE: Monitor Well

SITE ACTIVITY: START 803 END 849

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	12.01 FT	WELL DEPTH	17.22 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	12.21 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY: CAP	YES X / NO / N/A
DRAWDOWN	0.20 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
0.08 L/MIN	809	845	0.76 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
821	1.00	7.12	0.97	32.8	5.07	2.01	11.33	38	≈ 83 mL/min
828	1.54	7.15	0.97	20.9	4.41	1.73	11.16	20	≈ 77 mL/min
834	2.02	7.17	0.96	20.4	4.21	1.77	11.24	21	≈ 80 mL/min
841	2.60	7.18	0.96	18.8	4.03	2.02	11.28	15	≈ 83 mL/min
843	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: Jessica Peeler

NOTES

821 DTW = 12.16

828 DTW = 12.19

834 DTW = 12.22

841 DTW = 12.24

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/4/03

SITE ID: OB-04

SITE TYPE: Monitor Well

SITE ACTIVITY: START 815 END 855

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	6.32 FT	WELL DEPTH	16.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	6.92 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.60 FT	DRAWDOWN VOLUME	0.09 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	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.11 L/MIN	820	846	0.77 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
825	0.56	7.66	0.39	23.2	8.86	7.01	10.52	145	≈117 mL/min
830	1.19	7.93	0.38	22.8	8.42	7.25	10.62	126	≈125 mL/min
835	1.75	8.06	0.38	22.6	8.15	7.02	10.68	107	≈111 mL/min
841	2.35	8.16	0.37	30.5	7.66	6.69	10.64	100	≈100 mL/min
845	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

825 DTW = 6.69

830 DTW = 6.76

835 DTW = 6.86

841 DTW = 6.89

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/14/03

SITE ID: OB-05

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1415 END 1505

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	12.57 FT	WELL DEPTH	17.34 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	13.00 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.43 FT	DRAWDOWN VOLUME	0.07 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: 1418

END PURGING: 1458

TOTAL VOL. PURGED: 0.97 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
1428	1.00	7.70	1.84	16.6	8.01	4.98	12.27	-20	≈100 mL/min
1434	1.57	7.71	1.86	15.3	6.59	4.87	12.68	-46	≈95 mL/min
1442	2.09	7.71	1.84	11.3	6.02	4.60	12.93	-27	≈87 mL/min
1448	2.64	7.71	1.82	13.3	5.67	4.33	13.14	-6	≈90 mL/min
1452	collect sample 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

1428 DTW = 12.98

1434 DTW = 12.97

1442 DTW = 13.10

1448 DTW = 13.21

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/11/03

SITE ID: OB-06

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1218 END 1305

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	8.97 FT	WELL DEPTH	16.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	9.40 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.43 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))

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

PURGE RATE: 0.10 L/MIN

BEGIN PURGING: 1224

END PURGING: 1256

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
1233	0.86	7.99	0.37	46.3	7.99	5.84	12.72	-9	≈95 mL/min
1240	1.53	7.99	0.37	46.8	7.55	5.88	12.73	-19	≈95 mL/min
1245	2.03	8.00	0.36	48.6	7.31	5.68	12.77	-19	≈100 mL/min
1251	2.60	8.00	0.36	42.8	1.18	5.19	12.79	-33	≈95 mL/min
1253	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

1233 DTW = 9.22
1240 DTW = 9.29
1245 DTW = 9.38
1251 DTW = 9.43

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/10/03

SITE ID: OB-07

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1604 END 1650

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	6.85 FT	WELL DEPTH	20.01 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	7.40 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.55 FT	DRAWDOWN VOLUME	0.09 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: 0.11 L/MIN

BEGIN PURGING: 1608

END PURGING: 1644

TOTAL VOL. PURGED: 0.99 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downhell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1619	1.05	7.57	1.82	41.4	1.98	0.35	13.04	-33	≈95 mL/min
1624	1.58	7.58	1.82	37.9	1.34	0.38	13.02	-53	≈105 mL/min
1629	2.14	7.59	1.83	42.3	1.04	0.59	12.94	-69	≈111 mL/min
1634	2.70	7.60	1.82	42.3	0.86	0.80	12.91	-96	≈111 mL/min
1636	collect sample for 8260								
1638	collect OB-07 (MS) & OB-07 (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

1619 DTW = 7.32

1624 DTW = 7.39

1629 DTW = 7.44

1634 DTW = 7.44

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/15/03

SITE ID: OB-08

SITE TYPE: Monitor Well

SITE ACTIVITY: START 957 END 1056

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	11.80 FT	WELL DEPTH	24.85 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	12.60 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.80 FT	DRAWDOWN VOLUME	0.13 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	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.08 L/MIN	958	1039	0.86 GAL

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

PURGE DATA

Horiba cleanwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1010	0.96	7.84	0.59	172	2.19	7.14	12.84	-100	≈80 mL/min
1017	1.54	7.87	0.59	97.1	1.78	1.72	13.22	-100	≈83 mL/min
1025	2.16	7.88	0.60	49.4	1.58	1.60	12.99	-110	≈77 mL/min
1034	2.91	7.89	0.60	80.9	1.48	1.35	13.34	-111	≈83 mL/min
1036	collect sample 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

1010 DTW = 12.30

1017 DTW = 12.45

1025 DTW = 12.50

1034 DTW = 12.52

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/10/08

SITE ID: OB-09

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1457 END 1550

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	9.80 FT	WELL DEPTH	FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	9.49 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY: CAP	YES X NO — N/A —
DRAWDOWN	0.31 FT	DRAWDOWN VOLUME	0.05 GAL	PRODUCT THICKNESS	FT	CASING	YES X NO — N/A —
						LOCKED	YES X NO — N/A —
						COLLAR	YES X NO — N/A —

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

PURGE RATE: 0.08 L/MIN

BEGIN PURGING: 1503

END PURGING: 1543

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
1517	1.04	7.30	1.09	18.6	1.86	0.21	~~18.5~~ 12.9	-28	≈74 mL/min
1524	1.58	7.31	1.10	19.1	1.30	0.18	12.87	-41	≈77 mL/min
1531	2.14	7.31	1.09	18.7	0.97	0.31	13.22	-46	≈80 mL/min
1538	2.68	7.32	1.09	18.5	0.78	0.16	13.24	-47	≈77 mL/min
1540	collect samples for 8260								

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

1517 DTW = 9.47'
1524 DTW = 9.49
1531 DTW = 9.50
1538 DTW = 9.50

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/12/03

SITE ID: BR-01

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1039 END 1125

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	17.60 FT	WELL DEPTH	38.60 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	17.76 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.16 FT	DRAWDOWN VOLUME	0.10 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: 1043

END PURGING: 1116

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
1053	0.95	7.12	1.14	33.6	1.84	0.20	11.13	-160	≈95 mL/min
1058	1.51	7.14	1.15	36.3	1.20	0.11	11.19	-163	≈111 mL/min
1104	2.06	7.15	1.15	40.2	0.92	0.10	11.35	-167	≈90 mL/min
1109	2.62	7.16	1.15	45.6	0.66	0.09	11.68	-170	≈111 mL/min
1112	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

1053 DTW = 17.72
1058 DTW = 17.76
1104 DTW = 17.80
1110 DTW = 17.80

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 4th Qtr Sampling Event

DATE: 12/12/03

SITE ID: BR-02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1315 END 1418

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	23.68 FT	WELL DEPTH	42.75 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	23.81 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.13 FT	DRAWDOWN VOLUME	0.08 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: 0.08 L/MIN

BEGIN PURGING: 1330

END PURGING: 1410

TOTAL VOL. PURGED: 0.79 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
1342	0.92	7.40	1.08	136	2.07	0.18	12.16	-100	≈94 mL/min
1350	1.51	7.36	1.11	117	1.55	0.15	12.44	-100	≈94 mL/min
1357	2.05	7.34	1.13	78	1.20	0.14	12.69	-104	≈94 mL/min
1404	2.57	7.34	1.14	75	1.03	0.15	12.66	-108	≈94 mL/min
1406	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

1344 DTW = 23.79

1350 DTW = 23.80

1357 DTW = 23.80

1404 DTW = 23.81

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 4th Qtr Sampling Event

DATE: 12/12/03

SITE ID: BR-03

SITE TYPE: Monitor Well

SITE ACTIVITY: START 810 END 855

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	10.09 FT	WELL DEPTH	42.20 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	10.71 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.69 FT	DRAWDOWN VOLUME	0.45 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	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.09 L/MIN	813	849	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
822	0.82	7.95	1.40	84.6	~~2.06~~		11.41	-290	≈90 mL/min
					2.04	0.24			
829	1.46	7.94	1.39	114.0	1.29	0.17	11.28	-279	≈90 mL/min
835	1.96	7.90	1.37	134.0	0.91	0.12	11.40	-274	≈83 mL/min
842	2.54	7.89	1.38	157.0	0.65	0.11	11.24	-272	≈83 mL/min
845	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

822 DTW = 10.29

829 DTW = 10.45

835 DTW = 10.52

842 DTW = 10.61

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments; 2003 4th Qtr Sampling Event

DATE: 12/14/03

SITE ID: B12-04

SITE TYPE: Monitor Well

SITE ACTIVITY: START 918 END 1009

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	22.62 FT	WELL DEPTH	50.15 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	22.55 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.12 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))

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

PURGE RATE	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.09 L/MIN	922	1000	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
931	1.00	7.15	1.82	18.7	2.49	0.24	11.97	-153	≈111 mL/min
939	1.64	7.18	1.84	28.6	1.65	0.19	11.94	-155	≈80 mL/min
946	2.22	7.19	1.84	36.7	1.21	0.14	12.17	-157	≈83 mL/min
954	2.84	7.19	1.86	40.8	0.96	0.13	12.19	-157	≈77 mL/min
956	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

931 DTW = 22.55

939 DTW = 22.55

946 DTW = 22.56

954 DTW = 22.56

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/17/03

SITE ID: BL-05

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1240 END 1335

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	21.90 FT	WELL DEPTH	50.15 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	21.92 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: 0.08 L/MIN

BEGIN PURGING: 1246

END PURGING: 1330

TOTAL VOL. PURGED: 0.94 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA Horiba down-11

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1300	1.12	9.37	0.16	23.8	1.64	0.20	11.13	-77	≈80 mL/min
1308	1.79	9.39	0.14	23.2	1.17	0.11	11.98	-98	≈83 mL/min
1315	2.37	9.40	0.14	22.9	0.90	0.08	12.55	-109	≈83 mL/min
1322	2.95	9.41	0.14	22.3	0.73	0.07	12.65	-115	≈83 mL/min
1324	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

1300 DTW = 21.95

1308 DTW = 21.96

1315 DTW = 21.95

1322 DTW = 21.95

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 4th Qtr Sampling Event

DATE: 12/9/03

SITE ID: BR-06

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1333 END 1412

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	13.71 FT	WELL DEPTH	FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	14.43 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.72 FT	DRAWDOWN VOLUME	0.12 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: 0.12 L/MIN

BEGIN PURGING: 1339

END PURGING: 1408

TOTAL VOL. PURGED: 0.88 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
1348	1.00	7.30	1.42	264	1.30	0.23	12.61	-116	≈111 mL/min
1353	1.59	7.34	1.43	120	0.92	0.16	12.65	-120	≈118 mL/min
1358	2.18	7.35	1.43	103	0.74	0.14	12.62	-123	≈118 mL/min
1402	2.65	7.35	1.43	91.3	0.60	0.13	12.71	-125	≈118 mL/min
1405	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

1348 DTW = 14.02

1353 DTW = 14.15

1358 DTW = 14.30

1402 DTW = 14.39

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/12/03

SITE ID: BR-07

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1422 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	25.51 FT	WELL DEPTH	FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	25.51 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY: CAP	YES: — NO: X N/A: —
DRAWDOWN	--- FT	DRAWDOWN VOLUME	--- GAL	PRODUCT THICKNESS	FT	CASING	YES: X NO: — N/A: —
						LOCKED	YES: X NO: — N/A: —
						COLLAR	YES: X NO: — N/A: —

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

PURGE RATE: 0.08 L/MIN

BEGIN PURGING: 1429

END PURGING: 1510

TOTAL VOL. PURGED: 0.89 GAL

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

PURGE DATA

Horiba downhole

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1438	0.82	7.79	3.82	30.1	1.64	0.14	9.15	-278	≈90 mL/min
1447	1.57	7.80	3.81	25.9	0.52	0.09	9.36	-280	≈83 mL/min
1454	2.15	7.81	3.79	23.1	0.31	0.08	9.67	-278	≈83 mL/min
1502	2.79	7.80	3.82	26.6	0.15	0.07	9.22	-275	≈80 mL/min
1504	collect sample for 8260								
1506	collect BR-07 (dup) for 8260								

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

1438 DTW = 25.55
1447 DTW = 25.56
1454 DTW = 25.54
1502 DTW = 25.55

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/11/03

SITE ID: BR-08

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1348 END 1443

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	22.30 FT	WELL DEPTH	74.55 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	23.47 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	1.17 FT	DRAWDOWN VOLUME	0.76 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: 0.08 L/MIN

BEGIN PURGING: 1356

END PURGING: 1435

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
1405	0.90	10.95	1.20	20.2	2.14	0.22	11.81	-244	≈100 mL/min
1414	1.65	10.95	1.19	25.4	1.45	0.14	11.95	-251	≈83 mL/min
1421	2.15	10.96	1.20	18.3	2.71	0.15	11.69	-255	≈71 mL/min
1428	2.65	10.96	1.19	18.3	1.88	0.14	11.95	-258	≈71 mL/min
1430	Collect sample for 8260								

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: John Pender

NOTES

1406 DTW = 22.62
1414 DTW = 22.80
1421 DTW = 23.01
1428 DTW = 23.22

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 4th Qtr Sampling Event

DATE: 12/15/03

SITE ID: BR-09

SITE TYPE: Monitor Well

SITE ACTIVITY: START 845 END 940

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	22.64 FT	WELL DEPTH	45.40 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	22.60 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.04 FT	DRAWDOWN VOLUME	0.06 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	854	937	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
907	1.08	7.56	1.29	16.0	2.87	0.57	11.85	-189	≈83 mL/min
914	1.62	7.57	1.30	6.0	1.92	0.53	12.46	-191	≈77 mL/min
921	2.16	7.58	1.33	5.8	1.47	0.46	11.97	-194	≈77 mL/min
928	2.83	7.58	1.33	9.6	1.19	0.44	11.85	-193	≈83 mL/min
931	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

907 DTW = 22.61

914 DTW = 22.61

921 DTW = 22.62

928 DTW = 22.62

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/13/03

SITE ID: BK-10

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1020 END 1107

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	22.39 FT	WELL DEPTH	50.25 FT	PID AMBIENT AIR	____ PPM	WELL DIAMETER	____ IN
FINAL DEPTH TO WATER	22.39 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	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.08 L/MIN	1024	1104	0.60 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
1034	0.80	7.43	0.75	64.1	4.87	0.92	11.55	-48	≈80 mL/min
1042	1.24	7.45	0.75	43.7	2.17	0.98	12.07	-69	≈74 mL/min
1050	1.88	7.45	0.76	29.8	1.49	0.71	11.75	-69	≈80 mL/min
1057	2.40	7.45	0.75	26.3	1.55	0.68	11.23	-70	≈74 mL/min
1059	collect sample 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

1034 DTW = 22.39

1042 DTW = 22.35

1050 DTW = 22.36

1057 DTW = 22.37

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/15/03

SITE ID: BR-11

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1220 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: 22.49 FT

WELL DEPTH: 57.50 FT

PID AMBIENT AIR: ____ PPM

WELL DIAMETER: ____ IN

FINAL DEPTH TO WATER: 22.49 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: 0.08 L/MIN

BEGIN PURGING: 1227

END PURGING: 1306

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
1238	0.96	7.41	1.61	30.9	3.13	0.66	10.54	-183	≈87 mL/min
1245	1.54	7.42	1.61	20.2	2.01	0.22	10.89	-185	≈83 mL/min
1252	2.12	7.44	1.63	13.5	1.32	0.13	10.85	-186	≈83 mL/min
1259	2.70	7.45	1.63	1.1	0.98	0.12	10.81	-186	≈83 mL/min
1302	collect samples for 8260								

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

1238 DTW = 22.50

1245 DTW = 22.50

1252 DTW = 22.49

1259 DTW = 22.49

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/12/03

SITE ID: BR-12

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1525 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	17.90 ~~17.60~~ FT	WELL DEPTH	44.45 FT	PID AMBIENT AIR	PPM
WELL DIAMETER	6 IN	FINAL DEPTH TO WATER	18.40 FT	SCREEN LENGTH	FT
PID WELL MOUTH	PPM	DRAWDOWN	0.50 FT	DRAWDOWN VOLUME	0.33 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	1528	1613	0.93 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
1543	1.00	9.21	0.56	15.3	1.04	0.15	12.60	-278	≈67 mL/min
1549	1.50	9.24	0.56	16.6	0.70	0.12	12.55	-286	≈83 mL/min
1556	2.06	9.24	0.55	14.0	0.48	0.10	12.67	-291	≈80 mL/min
1602	2.58	9.25	0.55	16.5	0.37	0.15	12.63	-294	≈87 mL/min
1604	collect sample for 8260								
1607	collect sample for 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

1543 DTW = 18.00
1549 DTW = 18.06
1556 DTW = 18.16
1602 DTW = 18.22

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/13/03

SITE ID: BW-13

SITE TYPE: Monitor Well

SITE ACTIVITY: START 825 END 910

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	23.20 FT	WELL DEPTH	78.20 FT	PID AMBIENT AIR	____ PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	23.20 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: 0.09 L/MIN

BEGIN PURGING: 824

END PURGING: 904

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
835	1.10	7.16	1.38	38.8	2.15	0.79	11.97	-184	≈100 mL/min
844	1.74	7.17	1.39	26.9	1.31	0.23	12.28	-184	≈ 71 mL/min
850	2.24	7.18	1.39	9.3	1.11	0.15	12.52	-185	≈83 mL/min
856	2.76	7.18	1.40	7.4	0.95	0.19	12.48	-183	≈87 mL/min
859	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: [signature]

NOTES

835 DTW = 23.21

844 DTW = 23.21

850 DTW = 23.21

856 DTW = 23.21

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 4th Qtr Sampling Event

DATE: 12/12/03

SITE ID: BR-14

SITE TYPE: Monitor Well

SITE ACTIVITY: START 925 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	17.85 FT	WELL DEPTH	77.65 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	18.96 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	1.11 FT	DRAWDOWN VOLUME	0.72 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: 931

END PURGING: 1014

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
946	0.94	8.45	0.34	12.4	1.60	0.66	11.91	-283	≈63 mL/min
954	1.51	8.47	0.34	11.7	2.41	0.63	12.05	-293	≈72 mL/min
1001	2.05	8.47	0.34	11.9	2.50	0.78	12.26	-293	≈77 mL/min
1008	2.59	8.47	0.34	11.6	2.27	0.82	12.28	-291	≈77 mL/min
1010	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

946 DTW = 18.20
954 DTW = 18.40
1001 DTW = 18.59
1008 DTW = 18.81

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/13/03

SITE ID: BR-15

SITE TYPE: Monitor Well

SITE ACTIVITY: START 920 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	22.75 FT	WELL DEPTH	77.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	23.12 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.37 FT	DRAWDOWN VOLUME	0.55 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: 0.08 L/MIN | BEGIN PURGING: 927 | END PURGING: 1004 | TOTAL VOL. PURGED: 0.78 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
937	0.83	8.11	1.12	36.1	1.71	0.58	11.60	-186	≈83 mL/min
944	1.39	8.07	1.13	24.6	1.10	0.42	11.99	-197	≈80 mL/min
951	1.97	8.12	1.15	20.7	0.96	0.45	11.80	-202	≈83 mL/min
958	2.53	8.19	1.15	18.5	0.69	0.43	12.21	-204	≈80 mL/min
1001	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

937 DTW = 22.84

944 DTW = 22.95

951 DTW = 23.00

958 DTW = 23.09

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 4th Qtr Sampling Event

DATE: 12/11/03

SITE ID: BR-17

SITE TYPE: Monitor Well

SITE ACTIVITY: START 448 END 1527

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	23.04 FT	WELL DEPTH	62.2 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	23.04 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: 0.10 L/MIN

BEGIN PURGING: 1451

END PURGING: 1522

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
1500	0.90	7.13	2.23	130	2.19	0.28	12.47	-120	≈100 mL/min
1505	1.40	7.15	2.29	84.1	1.60	0.24	12.16	-118	≈100 mL/min
1510	1.90	7.16	2.28	88.5	1.13	0.26	12.59	-119	≈100 mL/min
1516	2.53	7.17	2.31	92.5	1.04	0.25	12.39	-119	≈105 mL/min
1518	collect sample for 8260								

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

1500 DTW = 23.02
1505 DTW = 23.03
1510 DTW = 23.03
1516 DTW = 23.04

APPENDIX E

WELL CONSTRUCTION INFORMATION

Appendix E
Well Construction Information

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

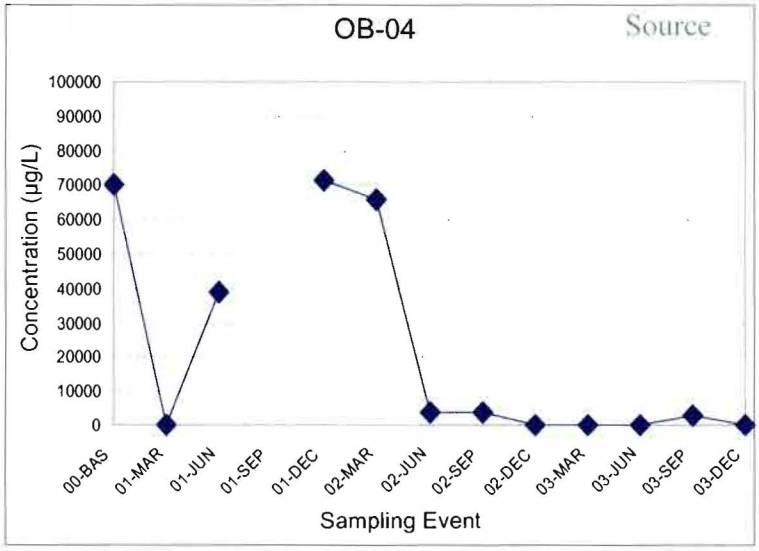
						Screen Interval		Survey Coordinates			Well Material	Completion		
Well ID	Date Installed	Well Purpose/Type	Well Location	Boring Depth	Well Depth	Top	Bottom	Easting	Northing	Elevation	Riser/Screen	Flush-mount	Vault	Stick-up
EW-S-10	08/09/00	Extraction	South Area	22.6	22.5	6.0	21.5	750381.30	1149367.65	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		

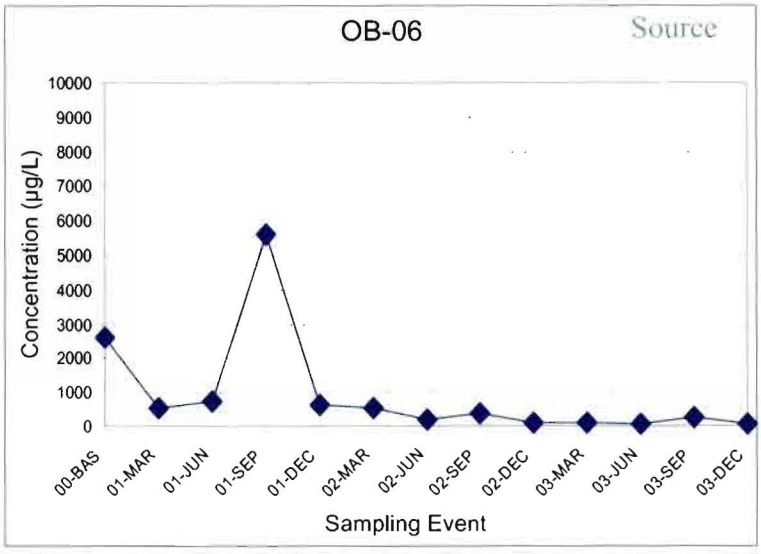
APPENDIX F

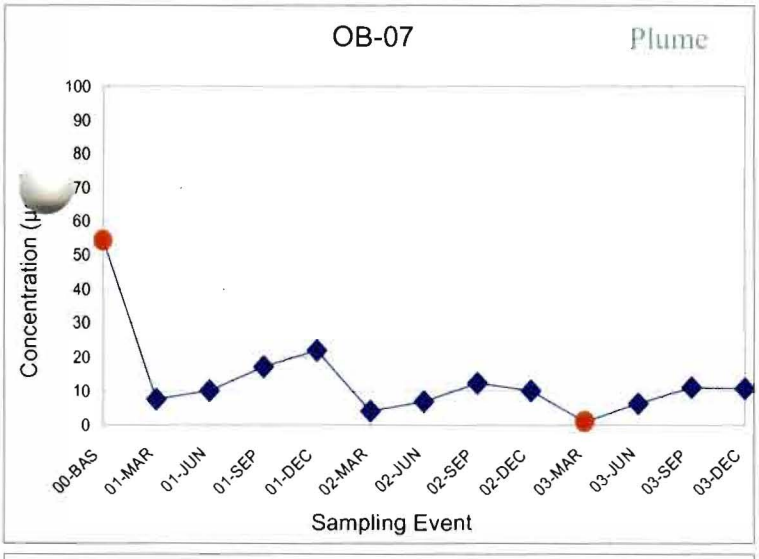
MONITOR WELL CONCENTRATION TREND GRAPHS

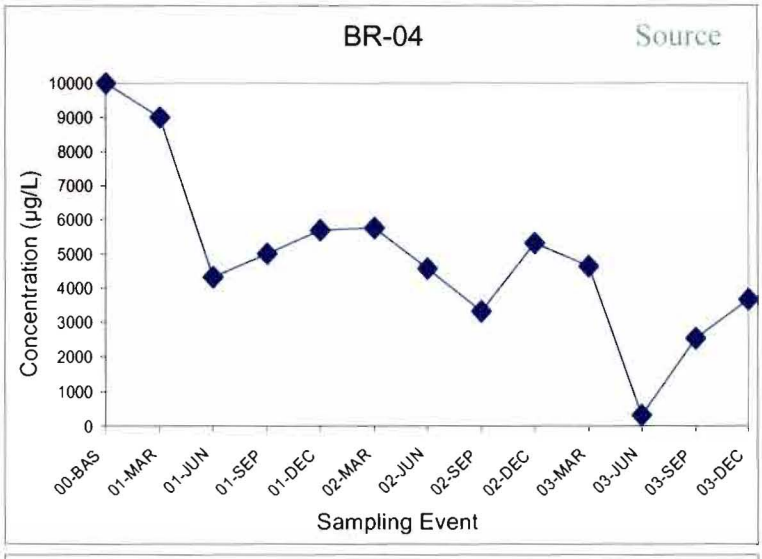
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

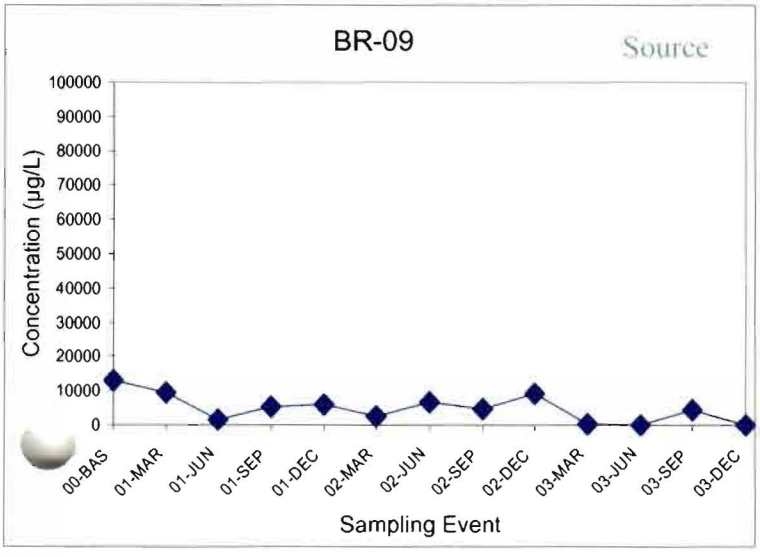
South TCE Area

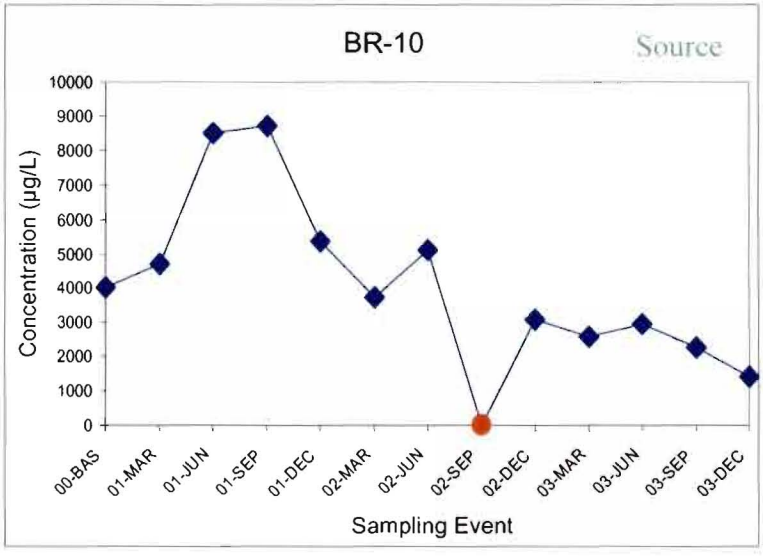








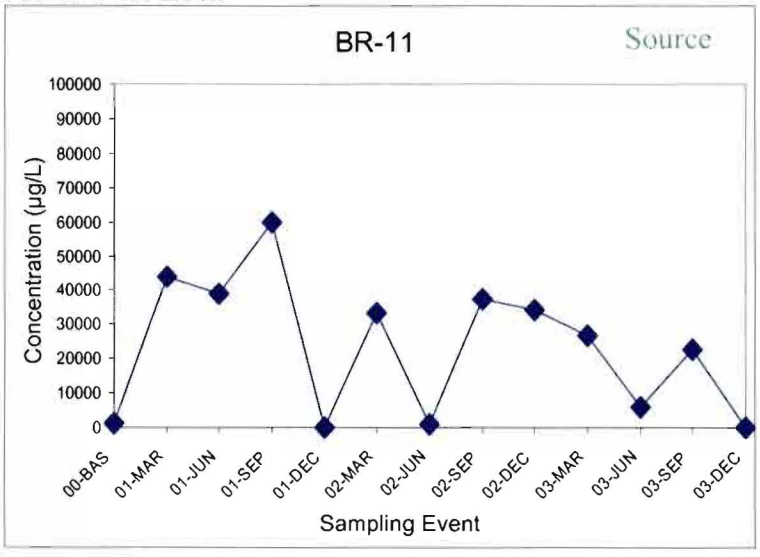


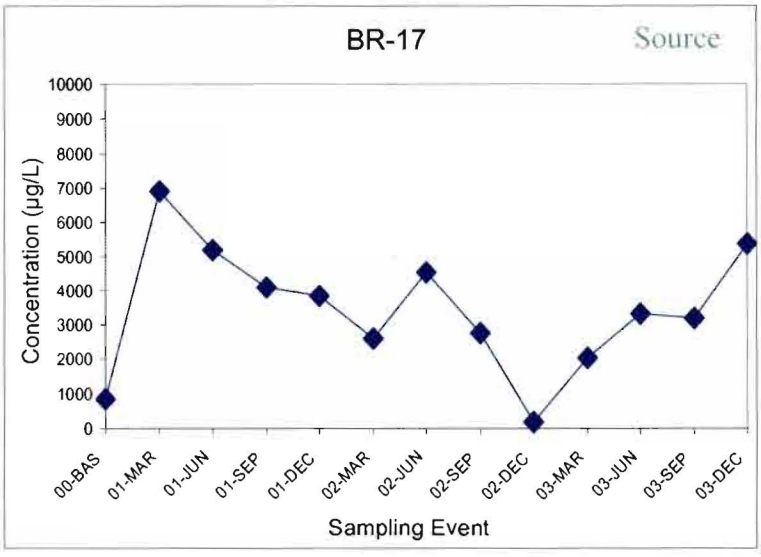


◆ = actual value
● = value below graphed detection limit

Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

South TCE Area





◆ = actual value
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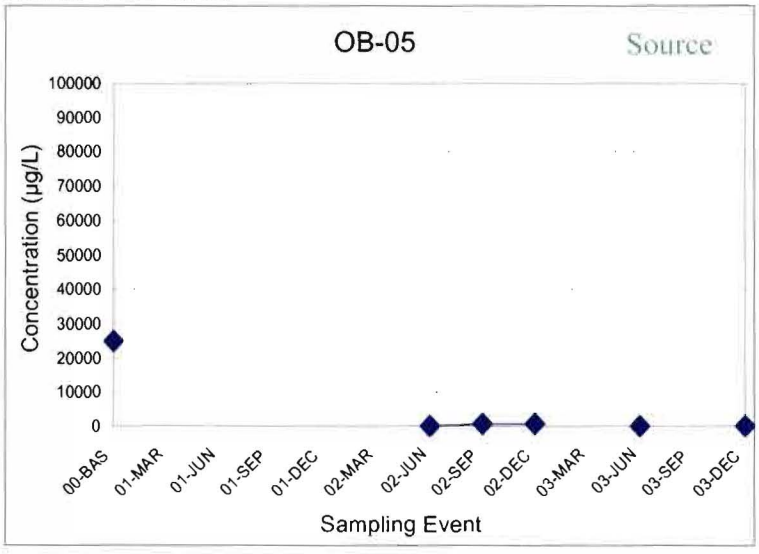
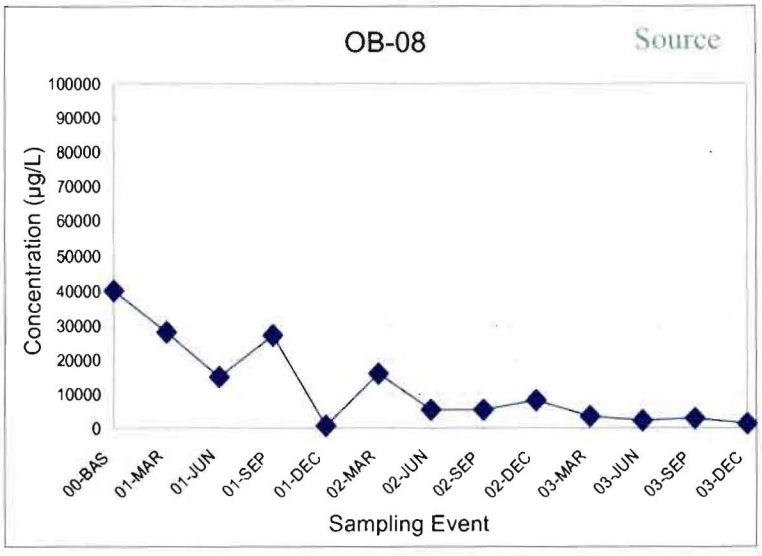
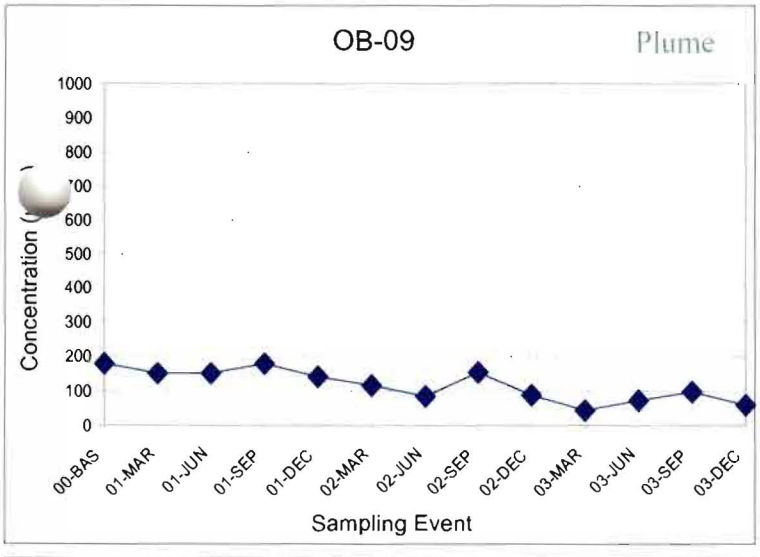
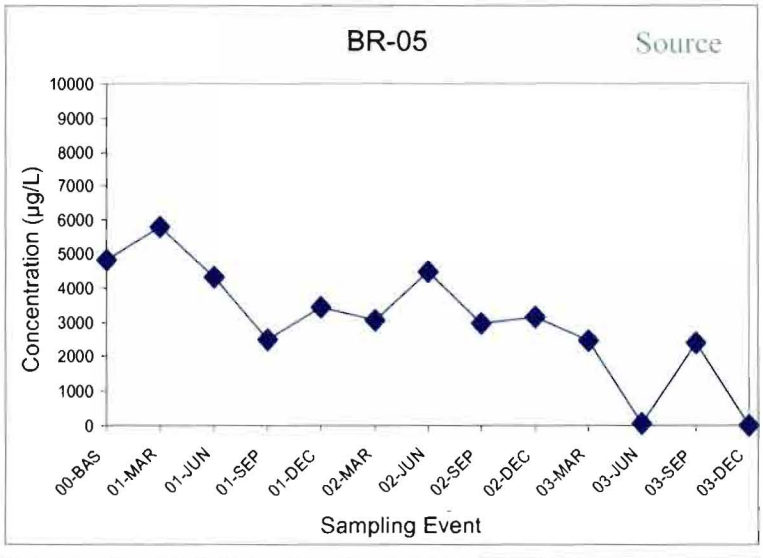
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

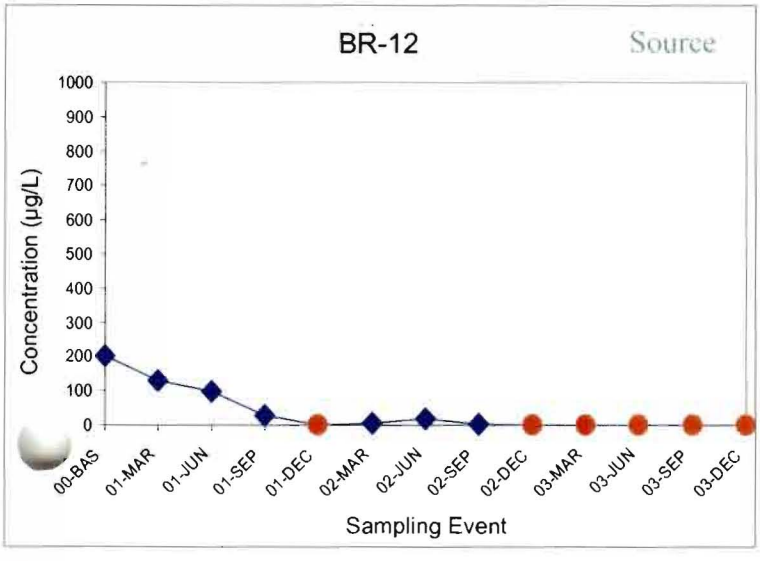
North TCE Area

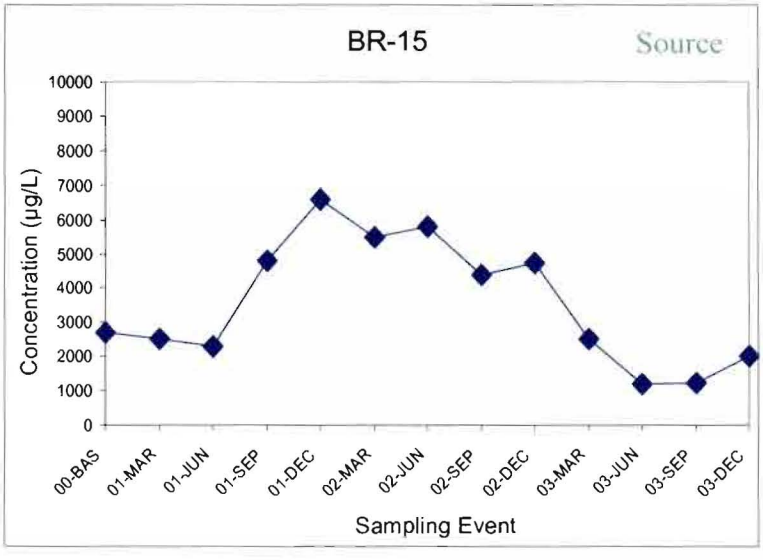








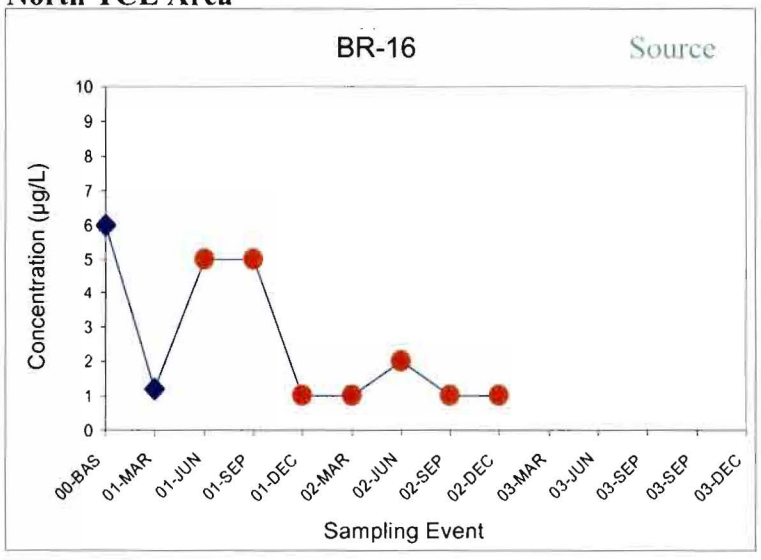




◆ = actual value
● = value below graphed detection limit

Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

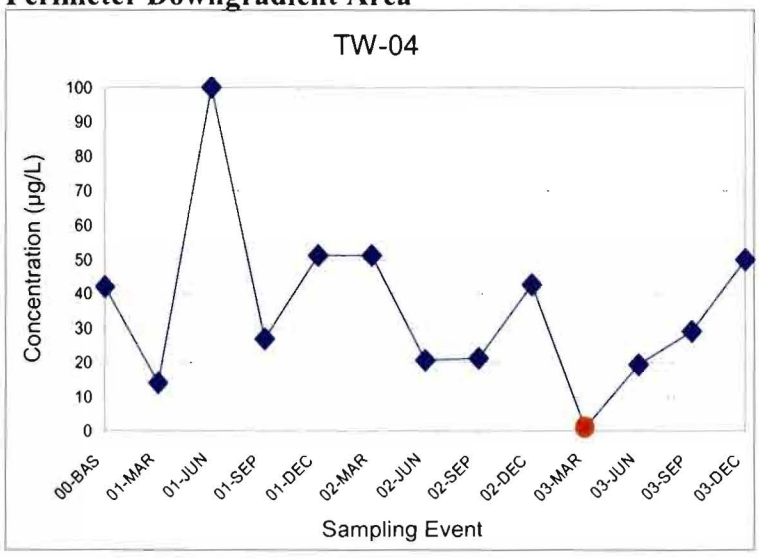
North TCE Area

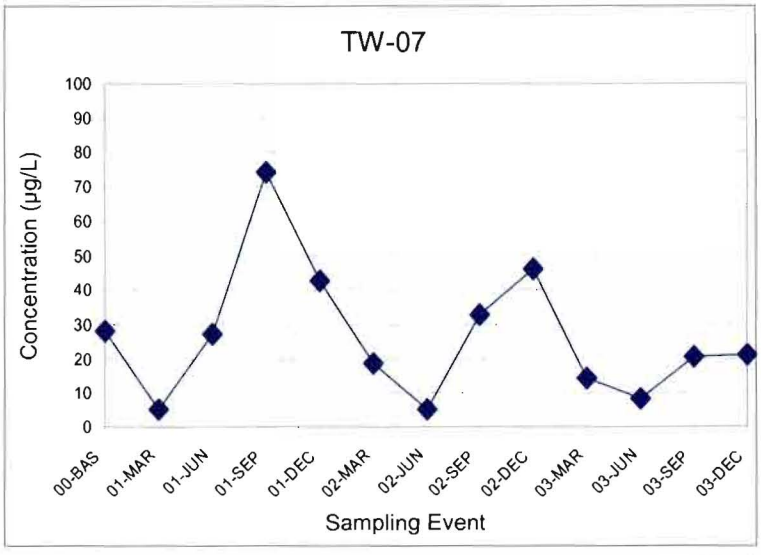


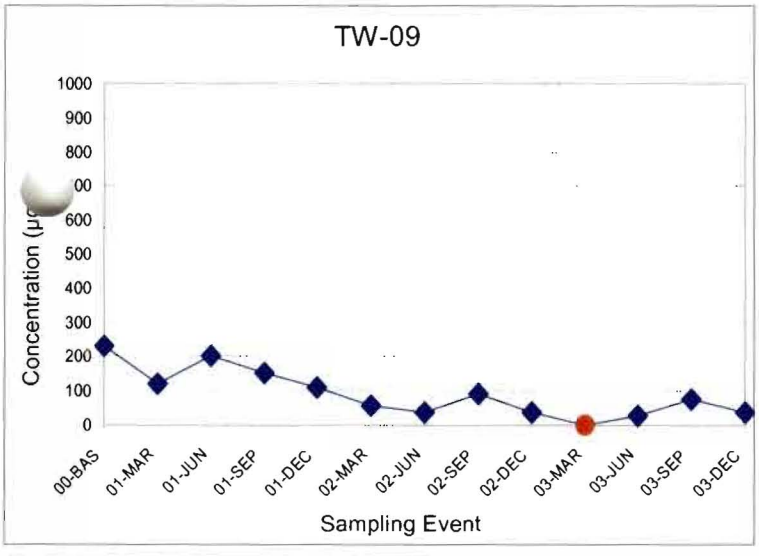
◆ = actual value
● = value below graphed detection limit

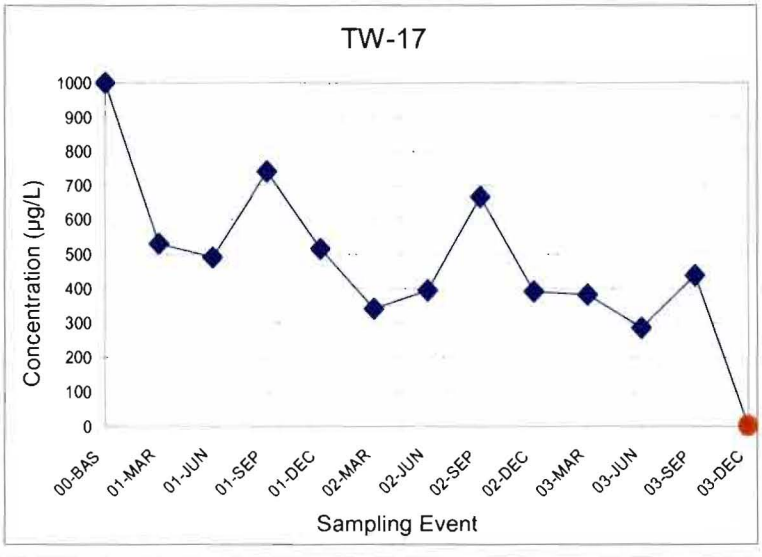
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

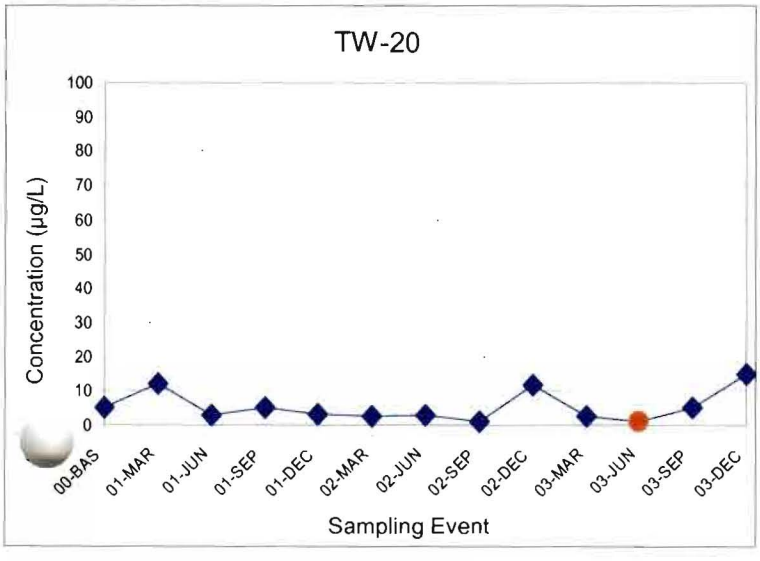
Perimeter Downgradient Area

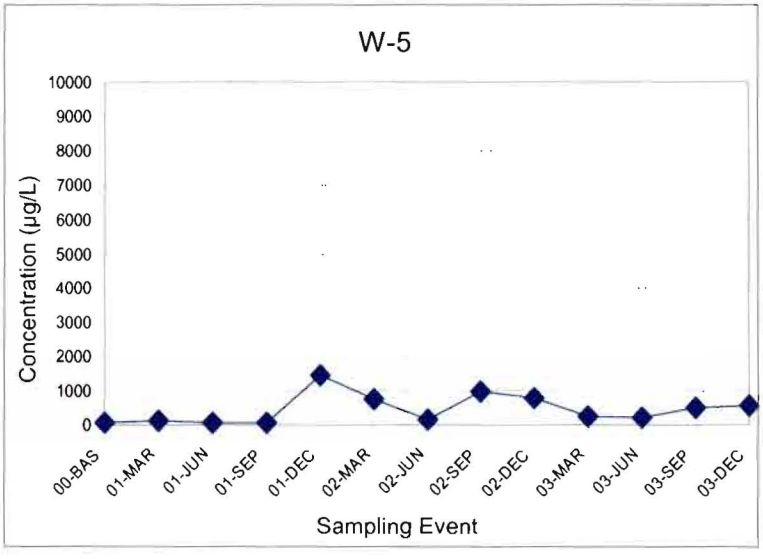












◆ = actual value
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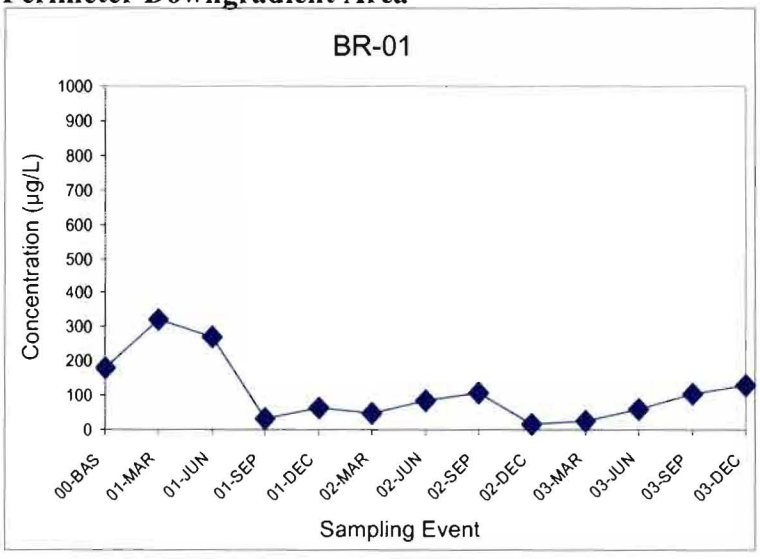
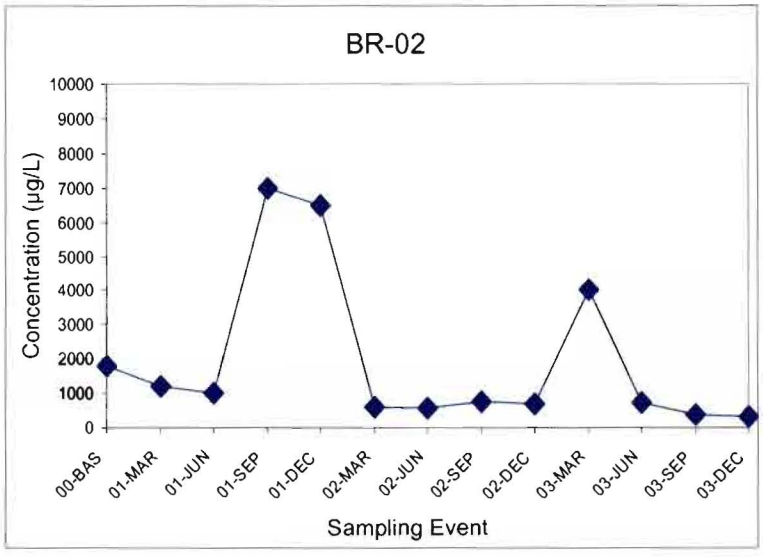
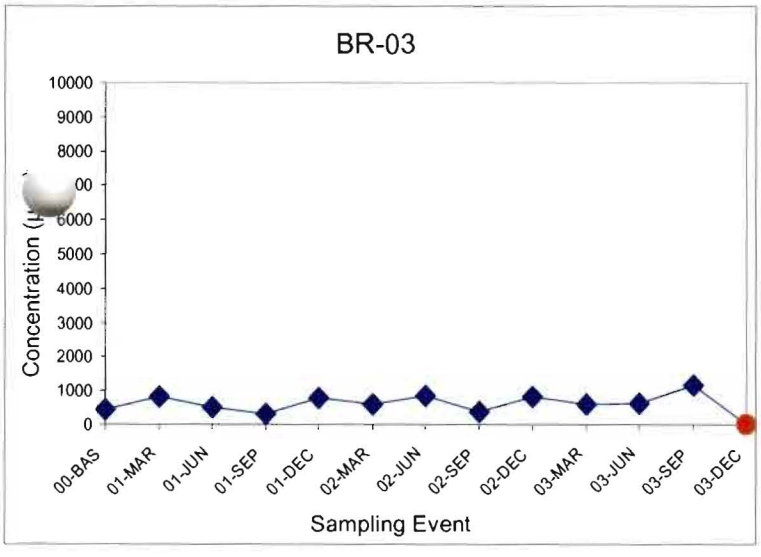
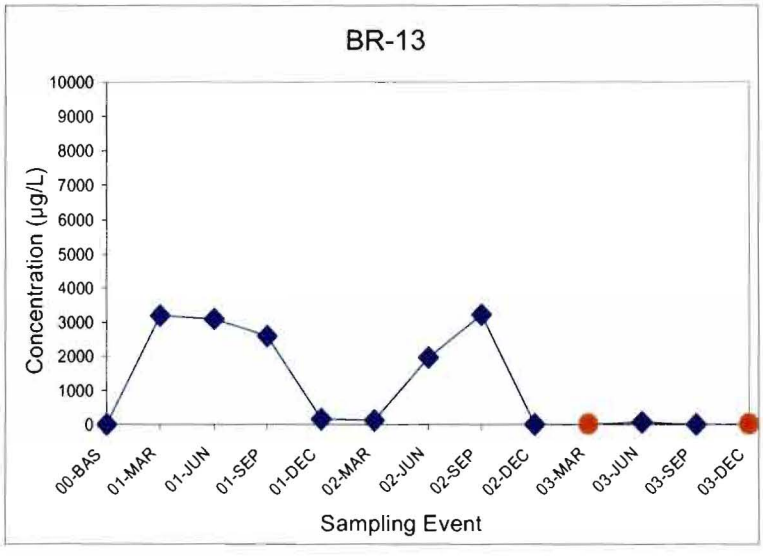
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

Perimeter Downgradient Area









◆ = actual value
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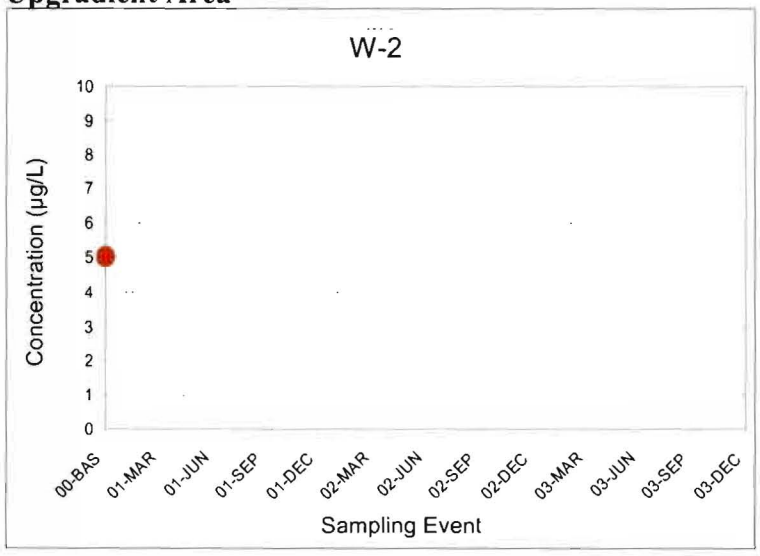
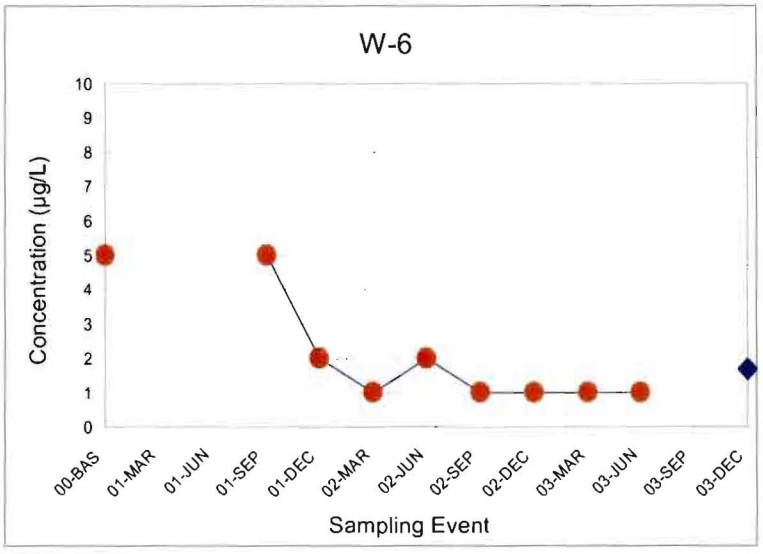
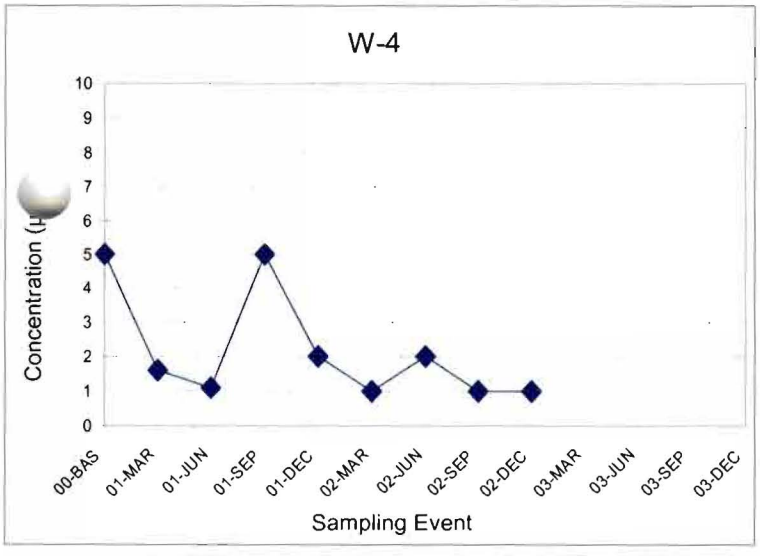
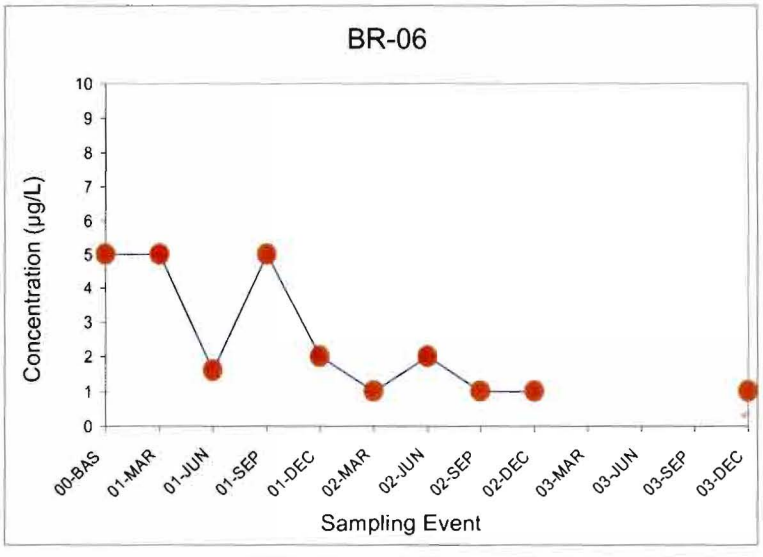
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

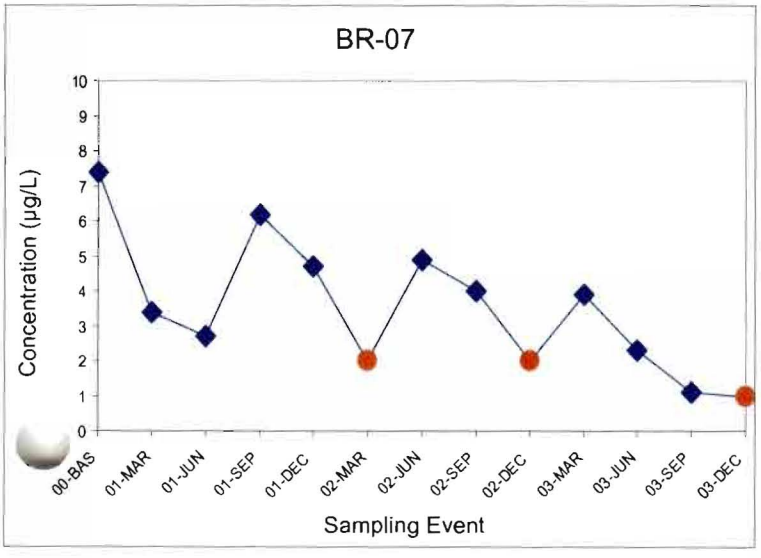
Upgradient Area

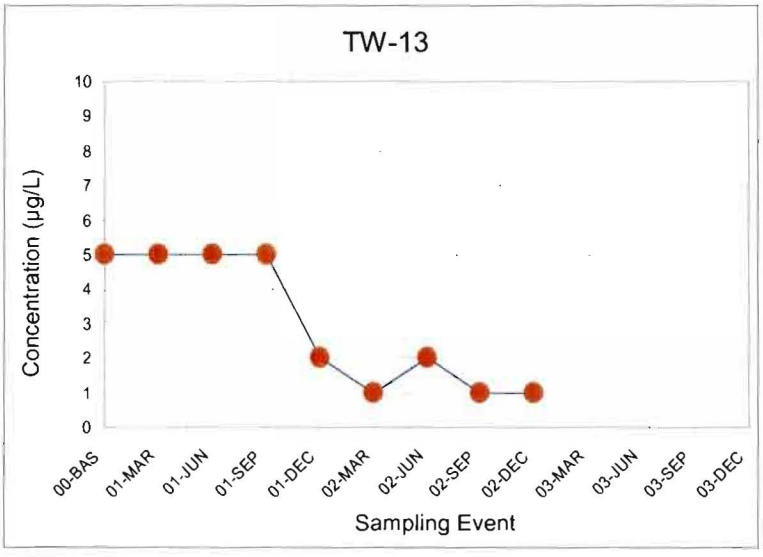












◆ = actual value
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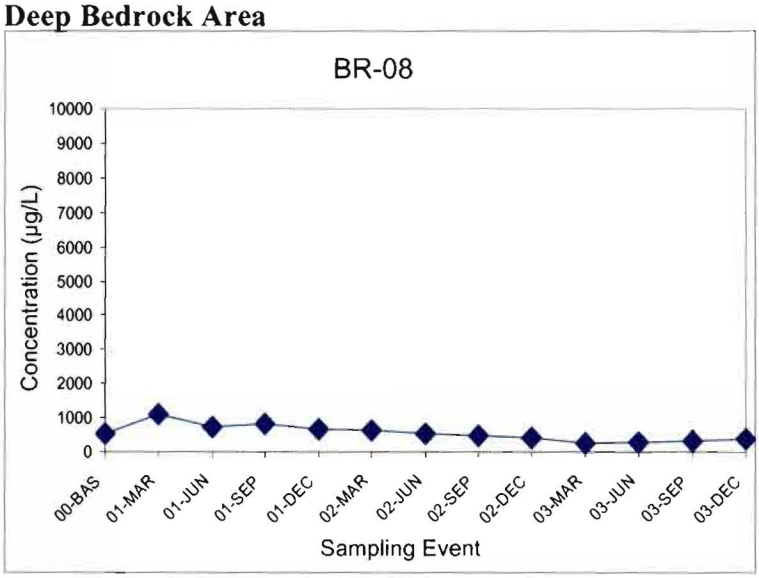
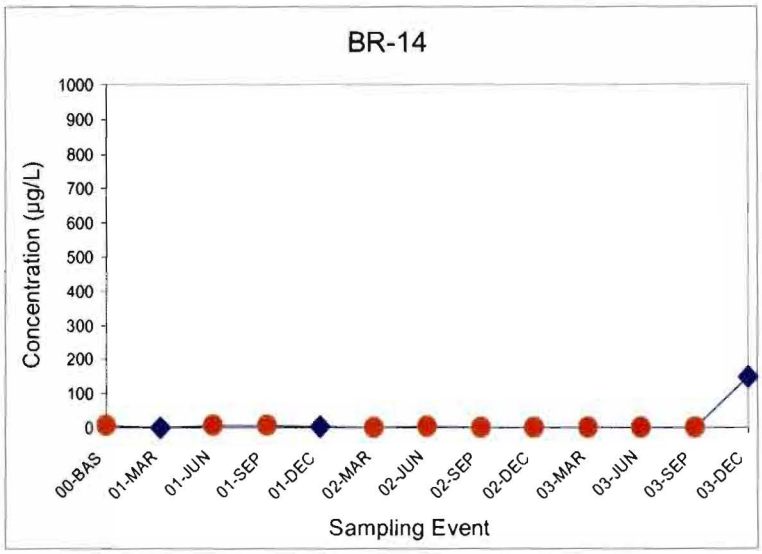
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

Deep Bedrock Area





◆ = actual value
● = value below graphed detection limit