QUARTERLY PROGRESS REPORT SECOND QUARTER 2003 AND REMEDIAL PROGRESS EVALUATION

FORMER TAYLOR INSTRUMENTS SITE
ROCHESTER, NEW YORK

PREPARED FOR:

COMBUSTION ENGINEERING
501 MERRITT 7
NORWALK, CT 06851

PREPARED BY:

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

September 2003

MACTEC Engineering and Consulting
1431 Centerpoint Blvd., Suite 150
Knoxville, TN 37932
(865) 531-1922

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Rochester, New York

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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 second 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 second quarterly sampling event for 2003 was conducted in June. A summary of the quarterly sampling event results for 2001 and 2002 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 33 million gallons of groundwater have been extracted and treated, resulting in the removal of 2,918 pounds of contaminants from the subsurface soil and groundwater. Overall declines of TCE contamination have occurred in all 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 JUNE 2003 QUARTERLY SAMPLING EVENT

MACTEC Engineering and Consulting, Inc. (MACTEC) personnel performed the June sampling event to provide an inclusive set of groundwater analytical data for the second quarterly period of 2003. Forty 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 second quarterly sampling event based on the recommendations provided in the Quarterly Progress Report Fourth Quarter 2002 and 2-Year Progress Evaluation (MACTEC, 2003). Twenty-eight of the samples were environmental samples collected from monitor wells located on the site. Twelve of the forty samples were associated with quality control efforts. All environmental samples, including field duplicates and matrix spike/matrix spike duplicate (MS/MSD) samples, were collected using low-flow peristaltic pumps at flow rates <400 milliliters per minute (mL/min).

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

2.2 TREATMENT SYSTEM OPERATION AND MAINTENANCE (O&M)

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

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

Quarterly Progress Report
Second Quarter 2003 and Remedial Progress Evaluation
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Rochester, New York

Sample ID	Sample Date	VOCs[1] Analysis	Natural Biodegradation Parameter Analysis[2]	Description
QATB01	6/10/03	X		Trip Blank
QAFB01	6/10/03	X		Field Blank
QARB01	6/10/03	X		Rinsate Blank
W-2				Sampled Annually (December)
TW-04	6/10/03	X		Environmental Sample
TW-17	6/10/03	X		Environmental Sample
TW-20	6/10/03	X		Environmental Sample
TW-07	6/10/03	X		Environmental Sample
TW-09	6/11/03	X		Environmental Sample
OB-09	6/11/03	X		Environmental Sample
OB-07	6/11/03	X		Environmental Sample
OB-07 (MS)	6/11/03	X		Matrix Spike
OB-07 (MSD)	6/11/03	X		Matrix Spike Duplicate
W-5	6/11/03	X		Environmental Sample
W-5 (DUP)	6/11/03	X		Duplicate
OB-06	6/11/03	X		Environmental Sample
BR-08	6/12/03	X		Environmental Sample
BR-17	6/12/03	X		Environmental Sample
BR-03	6/12/03	X		Environmental Sample
BR-14	6/12/03	X		Environmental Sample
BR-01	6/12/03	X		Environmental Sample
BR-02	6/13/03	X		Environmental Sample
BR-07	6/13/03	X		Environmental Sample
BR-07 (DUP)	6/13/03	X		Duplicate
BR-12	6/13/03	X		Environmental Sample
BR-12 (MS)	6/13/03	X		Matrix Spike
BR-12 (MSD)	6/13/03	X		Matrix Spike Duplicate
QATB02	6/13/03	X		Trip Blank
QAFB02	6/13/03	X		Field Blank
QARB02	6/13/03	X		Rinsate Blank

See notes at end of table.

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

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

Sample ID	Sample Date	VOCs[1] Analysis	Natural Biodegradation Parameter Analysis[2]	Description
BR-13	6/13/03	X		Environmental Sample
W-6	6/12/03	X		Environmental Sample
BR-15	6/14/03	X		Environmental Sample
BR-10	6/14/03	X		Environmental Sample
OB-04	6/14/03	X		Environmental Sample
BR-04	6/14/03	X		Environmental Sample
BR-05	6/14/03	X		Environmental Sample
BR-09	6/14/03	X		Environmental Sample
OB-08	6/15/03	X		Environmental Sample
BR-11	6/15/03	X		Environmental Sample
OB-05	6/15/03	X		Environmental Sample

[1] VOCs analyzed by Method 8260B.

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

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

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

Prepared by JP on 7/14/03
Checked by MJB on 9/5/03

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

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

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

3.0 SUMMARY OF RESULTS

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

The wells sampled during the second quarterly (June 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 June 2003 sampling event are summarized in Tables 3-2 and 3-3. These tables present only detected volatile organic compound (VOC) results. Sample VOC results are also presented in "flag boxes" in Appendix A, Figures 2 and 3, representing overburden monitor wells and bedrock monitor wells. The following discussions will focus on TCE concentrations in the site's monitor wells. TCE concentration trend graphs for both overburden and bedrock monitor wells are provided in Appendix F. These graphs present data from the baseline, March 2001, June 2001, September 2001, December 2001, March 2002, June 2002, September 2002, December 2002, March 2003 and June 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 June 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 March 2003 and June 2003 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-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-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-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	--	--	--

See notes at end of table.

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

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-07	11/16/00	--	--	--	--	--
OB-07	03/28/01	7.5	--	--	--	--
OB-07	06/17/01	10 J	--	--	--	--
OB-07	09/17/01	17	1.8 J	--	--	--
OB-07	12/17/01	21.8	7	--	--	--
OB-07	03/07/02	4.2	--	--	--	--
OB-07	06/06/02	7.1	--	--	--	--
OB-07	9/19/02	12.4	--	--	--	--
OB-07	12/05/02	10.2	--	--	--	--
OB-07	03/19/03	--	--	--	--	--
OB-07	06/11/03	6.2	--	--	--	--
OB-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-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	--	--	--

See notes at end of table.

Table 3-2 (Continued)
Summary of Overburden VOC Results for the Baseline; 2001; 2002; and March 2003 and June 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-01	10/24/00	--	--	--	--	--
TW-01[1]	03/01	NS	NS	NS	NS	NS
TW-01[1]	06/01	NS	NS	NS	NS	NS
TW-01[1]	09/01	NS	NS	NS	NS	NS
TW-01[1]	12/01	NS	NS	NS	NS	NS
TW-01[1]	03/02	NS	NS	NS	NS	NS
TW-01[1]	06/02	NS	NS	NS	NS	NS
TW-01[1]	09/02	NS	NS	NS	NS	NS
TW-01[1]	03/03	NS	NS	NS	NS	NS
TW-01[1]	03/03	NS	NS	NS	NS	NS
TW-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-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	--	--

See notes at end of table.

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

See notes at end of table.

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

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

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

See notes at end of table.

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

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

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

See notes at end of table.

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

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

[1] Will not be sampled during quarterly events.

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

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

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

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

Prepared by _____ on 7/14/03

Checked by _____ on 9/5/03

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

Quarterly Progress Report
Second 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-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-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	--

See notes at end of table.

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

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

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-04	11/19/00	10,000	600	140	17 J	25 J
BR-04	03/24/01	9,000	400	95 J	--	--
BR-04	06/19/01	4,300	320	61 J	--	--
BR-04	09/17/01	5,000	420	100 J	--	--
BR-04	12/17/01	5,700	430	79.9	9	27.4
BR-04	03/12/02	5,750	384	77	8.1	23.4
BR-04	06/10/02	4,570	338	49	--	--
BR-04	09/23/02	3,310	551	63.1	8.3	32.2
BR-04	12/09/02	5,300	535	77.6	8.3	27.1
BR-04	03/23/03	4,630	473	52	6.8	14.8
BR-04	06/13/03	302	1,280	19.5	3.6	1.2
BR-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-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

See notes at end of table.

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

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

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-07	11/18/00	7.4	29	10	--	220
BR-07	03/23/01	3.4 J	34	13	--	210
BR-07	06/14/01	2.7 J	33	13	--	200
BR-07 (DUP)	06/14/01	2.2 J	34	12	--	200
BR-07	09/12/01	6.2	32	16	--	180
BR-07 (DUP)	09/12/01	5.0	31	14	--	180
BR-07	12/12/01	4.7	28.5	10.2	--	101
BR-07 (DUP)	12/12/01	4.6	29.3	10.3	--	104
BR-07	03/11/02	--	9	4.3	--	33.6
BR-07 (DUP)	03/11/02	--	8.8	4.4	--	33.7
BR-07	06/08/02	4.9	32.9	14.4	--	119
BR-07 (DUP)	06/08/02	4.4	31	--	--	110
BR-07	09/21/02	4	27.3	14.8	--	90.4
BR-07 (DUP)	09/21/02	2.8	28.5	15.2	--	89.5
BR-07	12/08/02	--	17.6	10.1	--	64.6
BR-07 (DUP)	12/08/02	--	17.8	10.4	--	65.9
BR-07	03/21/03	3.9	35.9	18	--	97.5
BR-07 (DUP)	03/21/03	3.9	36	18.8	--	102
BR-07	06/13/03	2.3	30.7	15.8	--	101
BR-07 (DUP)	06/13/03	2.2	31.9	16	--	99.1
BR-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	--	--

See notes at end of table.

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

Quarterly Progress Report
Second 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-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-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

See notes at end of table.

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

Quarterly Progress Report
Second 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-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-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	--	--	--	--	--

See notes at end of table.

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

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

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-15	11/19/00	2,700	54 J	--	--	--
BR-15 (DUP)	11/19/00	2,700	49 J	--	--	--
BR-15	03/26/01	2,500	33 J	--	--	--
BR-15	06/18/01	2,300	49 J	--	--	--
BR-15	09/16/01	4,800	110 J	--	--	--
BR-15	12/16/01	6,590	189	28.2	2	1.1
BR-15	03/11/02	5,500	172	36.6	2.2	--
BR-15	06/09/02	5,800	373	36.9	4.6	3.8
BR-15	09/22/02	4,390	555	40.3	7.5	5.4
BR-15	12/08/02	4,740	177	43.6	2.8	--
BR-15	03/22/03	2,500	404	21.9	4.3	1.2
BR-15	06/13/03	1,180	1,390	24.8	8.4	3.9
BR-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-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

See notes at end of table.

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

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

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

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

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

Prepared by QP on 7/14/03
Checked by MJS on 9/5/03

Table 3-4
Decline of TCE Concentrations Over Time

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

Well ID[1]	Area	High (ppb) BL/ Post BL	June 2003 result	% Decline[3]
Source Area Monitor Wells				
OB-04	South	71,500	41.5	99
OB-06	South	5,600	52.7	99
OB-05	North	25,000	97.2	99
OB-08	North	40,000	2,250	94
BR-04	South	10,000	302	97
BR-09	South	13,000	57.5	99
BR-10	South	8,700	2,950	66
BR-11	South	60,000	5,890	90
BR-17	South	6,900	3,320	52
BR-05	North	5,800	56.8	99
BR-12	North	200	1 U	99
BR-15	North	6,590	1,180	82
BR-08 (deep)	South	1,100	289	74
BR-14 (deep)	North	2.2	1 U	55
Plume Monitor Wells				
OB-07	South	21.8	6.2	72
OB-09	North	180	70.7	61
Perimeter Monitor Wells				
TW-04	South	51.1	19.3	62
TW-07	South	74	8.1	89
TW-17	North	1,000	282	72
TW-20	Between	12	1 U	92
TW-09	Between	230	29.4	87
BR-02	South	7,000	710	90
BR-03	South	854	632	26
BR-01	North	320	60.9	81
BR-13	North	3,240	61.2	98
BR-07	North	7.4	2.3	69
W-5	North	1,435	234	84

[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
NI = not installed
NS = not sampled
ppb = parts per billion
TCE = trichloroethylene
U = nondetect

Prepared by QP on 7/14/03
Checked by mjb on 9/5/03

Monitor Well OB-07 reported TCE concentrations of 6.2 µg/L and no detections of daughter products in June 2003 event resulting in an overall decline of 72 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 June 2003 event. Overall declines in these concentrations are 99 and 94 percent, respectively (Table 3-4). Monitor well OB-09 also continued to show declining TCE concentrations during the June 2003 event with a 61 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 June 2003. The overall decline in these concentrations are 97, 99, 66, and 90 percent, respectively (Table 3-4).

TCE concentrations in monitor well BR-17 increased from 2,020 µg/L in March 2003 to 3,320 µg/L in June 2003, but still remain below the highest reported value of 6,900 µg/L since the baseline event resulting in an overall decline of 52 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 June 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, BR-12, and BR-15 have continued to show decreases in TCE concentration in June 2003. The percent decline in these concentrations are 99, 99, and 82 respectively (Table 3-4).

3.2 UPGRADIENT MONITOR WELLS

Overburden Monitor Wells

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

TCE concentrations for W-6 were nondetectable, as has been the case since the baseline sampling event. Only minor concentrations of cis-1,2-dichloroethylene (cis-1,2-DCE) have been reported ranging from 10.3 µg/L to nondetectable levels. During the June 2003 event trans-1,2-dichloroethylene (trans-1,2-DCE) was detected at 1.4 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 have been nondetectable for all eight quarterly sampling events, as well as the baseline event. Therefore, TW-13 was not sampled during the June 2003 event and will not be sampled during future quarterly sampling events.

Bedrock Monitor Wells

BR-06 and BR-07 are also upgradient wells, located southwest and west of the source areas. BR-06 is considered a background well and will be sampled annually beginning in December 2003. No TCE was detected in BR-06 during any quarterly sampling event, and BR-06 was not sampled as part of the June 2003 sampling event. In BR-07, TCE concentrations continued to decline during the June 2003 event showing an overall decline of 69 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, TW-20, and W-5 have declined by 62, 87, 72, 92, and 84 percent, respectively (Table 3-4).

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

TCE concentrations in monitor wells BR-03 and BR-13 increased during the June 2003 event but remain below the levels noted during the baseline event. The overall decrease in TCE concentrations are 26 and 98 percent, respectively (Table 3-4).

TCE concentrations increased in BR-01 in June 2003, but remain below the highest reported since the baseline event, resulting in an overall decline of 81 percent (Table 3-4). Concentrations in BR-02 decreased from 4,000 µg/L (March 2003) to 710 µg/L (June 2003), resulting in an overall decline in TCE concentrations of 90 percent (Table 3-4).

Deep Bedrock Monitor Wells

TCE concentrations for the deep bedrock monitor well BR-08 (South TCE Source Area) increased slightly in June 2003 but remained below the concentrations during the baseline event. The overall decrease is 74 percent. TCE concentrations in monitor well BR-14 (North TCE Source Area) remain at nondetectable levels in June 2003 with an overall decline of 55 percent (Table 3-4).

3.4 POTENTIOMETRIC SURFACE

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

The June 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 June 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 June 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 96.5 percent of available hours through March 2003. The System operated 99 percent of available hours during the second quarter of operation in 2003. The downtime during the second quarter was due to normal O&M activities. 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 33.6 million gallons of groundwater through June 2003.

During the second quarter of operation in 2003, 3.3 million gallons of groundwater was extracted with an average flow rate of 25 gallons per minute, and a total of 129 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 25,824 gallons of water removed. A total of 2,918 pounds of contaminants have been removed since startup of the System. The majority of VOCs are removed from the overburden through the vapor phase and stripped from groundwater during the vacuum extraction process. During the second quarter of operation in 2003, approximately 110 pounds (85 percent) of VOCs were removed by the vacuum extraction process and the remaining 19 pounds (15 percent) were removed by air stripping of the collected groundwater. 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 increased during the second quarter of operation in 2003. This increase occurred due to the high operational rate of the extraction

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

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

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,
January 2001 – June 2003

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

See notes at end of table.

Table 3-5 (Continued)
System Operational Summary,
January 2001 – June 2003

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

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

[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 MEB on 9/5/03
Checked by [signature] on 9/5/03

Table 3-6
System Analytical Data, January 2001 – June 2003

Quarterly Progress Report
Second 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 #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

See notes at end of table.

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

Quarterly Progress Report
Second 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

See notes at end of table.

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

Quarterly Progress Report
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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 #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

See notes at end of table.

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

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

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

See notes at end of table.

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

Quarterly Progress Report
Second 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

See notes at end of table.

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

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

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

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

Prepared by MYB on 9/5/03
Checked by [signature] on 9/5/03

system over this period. Overall, the mass removal rate of VOCs extracted is trending downward and is expected to continue decreasing as contaminants within the subsurface are removed. It is evident by review of Figure 7 in Appendix A that the system mass removal rate is nearing an asymptotic level.

3.7 SYSTEM EVALUATION SINCE STARTUP

It is apparent by an evaluation of TCE concentrations detected in the on-site monitoring wells that the System has been successful in removing contaminants from the subsurface. As shown by the Concentration Trend Graphs in Appendix F, the TCE concentrations have declined in each of the overburden wells and all but six bedrock wells (BR-01, BR-03, BR-08, BR-10, BR-13, and BR-17). However, concentrations have not reached maximum levels reported in the pre-baseline events for BR-01 and BR-03. BR-08, BR-10, BR-13, and BR-17 TCE concentrations have not reached the maximum levels reported since the baseline event.

As discussed above, the System has operated successfully since January 2001 maintaining a 96.5 percent operational rate during the thirty-month period. Since that time, 33.6 million gallons of groundwater have been extracted and treated. A total of 2,918 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.

The cumulative mass of contaminants removed slightly increased as is shown in Figure 7 (Appendix A). A greater increase in mass removed was also observed during the second quarter of operation in 2002. These increases are attributed to higher operational rates during these periods. A decline in vapor

concentrations can be observed in Figure 8 (Appendix A), which depicts the vapor concentrations from the three vacuum pumps over the two-plus year operational period. Overall, the concentrations have declined by 96 percent for the South TCE Source Area and 68 percent in the North TCE Source Area. The spikes observed are likely associated with the creation of preferential pathways allowing contaminant vapors to mobilize to the extraction wells. During December 2002, the measured TCE levels in System performance samples rose, likely due to parts of the System being shut down for maintenance for several weeks. This increase is considered a rebound effect where contaminant levels may increase during periods of System shut down. Since that spike, concentrations have continued trending downward during the first and second quarters of operation during 2003.

The groundwater TCE influent concentrations have been tracked over the two-plus year System operation period and presented in Figure 9 (Appendix A). As can be seen the concentrations have decreased overall by 63 percent. There are several spikes observed that are associated with System operational shutdowns. Although these concentrations did rebound as expected, they did not recover to the levels measured at startup in January 2001.

Coupling the System performance data with the groundwater monitoring results discussed in previous sections, it is evident that the System has been successful in removing a significant mass of contaminants from the site subsurface. The TCE concentrations have continued to decline significantly in both the on-site monitor wells and system influent.

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

> As is typical of VOC extraction systems, the rate of VOC mass removal (see Figures 7, 8, and 9 in Appendix A) was greatest when the Systems began operation with only 9,441 gallons of water having to be pumped to remove 1 pound of VOC during the first quarter of operation, as shown on Table 3-5. In contrast, during the second quarter of 2003, 25,824 gallons of water had to be pumped to extract 1 pound of VOC. Similarly, looking at the TCE removal through both vapor and groundwater, the system mass removal rate was 0.17 pounds VOC per hour during the first quarter of 2001, but is now 0.02 pounds per hour for the second quarter of 2003. Clearly the System has reached asymptotic removal rates for continuous operations.

4.0 ANALYTICAL PROGRAM

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

4.1 PRECISION

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

For quality control purposes, a MS and matrix spike duplicate (MSD) was taken for each set of 20 samples with a net result of 2 MS/MSD analyses for the March 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	0.0493	99	0.0507	2.80	68 – 136	22
Chlorobenzene	0.0520	104	0.0546	1.90	78 – 125	17
1,1-Dichloroethene	0.0447	89	0.0506	12.38	67 – 141	21
Toluene	0.0483	97	0.0499	3.26	73 – 133	22
Trichloroethene	0.0524	92	0.0585	11.00	69 – 141	22
Tetrachloroethene	0.0470	94	0.0491	4.37	71 – 134	19

Note: mg/L = milligrams per liter

BR-12

Analyte	MS Value (mg/L)	Recovery (%)	MSD Value (mg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	0.0515	103	0.0644	22.26	68 – 136	22
Chlorobenzene	0.0524	105	0.0645	20.70	78 – 125	17
1,1-Dichloroethene	0.0497	99	0.0594	17.78	67 – 141	21
Toluene	0.0510	102	0.0622	19.79	73 – 133	22
Trichloroethene	0.0539	108	0.0655	19.43	69 – 141	22
Tetrachloroethene	0.0507	101	0.0598	16.47	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 June 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	6.3		6.4		1.57
	cis-1,2-Dichloroethene	1	30.7		31.9		3.83
	trans-1,2-Dichloroethene	1	15.8		16		1.26
	Trichloroethene	1	2.3		2.2		4.44
	Vinyl chloride	1	101		99.1		1.90
W-5	cis-1,2-Dichloroethene	1	128		152		8.57
	trans-1,2-Dichloroethene	1	5		5.1		1.98
	Trichloroethene	1	234		234		--

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

4.2 ACCURACY

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

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

4.3 REPRESENTATIVENESS

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

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

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

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

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

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

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

4.4 COMPLETENESS

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

4.5 COMPARABILITY

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

5.0 CONCLUSIONS AND RECOMMENDATIONS

A comparison of analytical data from the 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 all perimeter and site interior monitor wells. A decrease in the System influent TCE concentrations has also been observed, which would be expected since contaminant levels have declined in the North and South TCE Source Areas where extraction is occurring.
- The System has successfully removed 2,918 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

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

DATE: 7/18/03

P:\Cadd\0\C51870EP13.dwg Thu, 28 Aug 2003 - 8:44am jbgupton

HAGUE STREET

WEST AVENUE

AMES STREET

N

MH 528.13
MH
6' GATE
MH 529.59
MH 523.28
MH 519.91
CB
CONC. SW
CURB
GATE POST
BR-06
MH-22
MH-6
MH-3
CB-3
CB-7
CB-11
CB-8
CB-9
CB-12
CB-10
BR-11
CB-2
CB-4
CB-5
CB-1
MH-25
MH 522.70
MH 521.02
MH-21
MH 522.52
MH 516.32
MH 501.72
MH 517.83
CORRUGATED GUIDE RAIL
CB-20
MH-23
MH-24
GROUNDWATER TREATMENT BUILDING
STORAGE SHED
BR-07
W-4
CB-19
TW-13
MW-00
MH-13
CB-18
CB-14
MH-26
CB-15
TW-74
CB-17
CB-16
BUILDING FOUNDATION
TW-20
BR-01
TW-17
CONC. SLAB
N/F NEW YORK CENTRAL RAILROAD RAILROAD TRACKS
CONC. STAIRS
TW-01
TW-04
BR-03
TW-07
BR-02
TW-09
W-1
W-2
W-3
W-5
W-6
OB-04
OB-05
OB-06
OB-07
OB-08
OB-09
BR-04
BR-05
BR-08
BR-09
BR-10
BR-12
BR-13
BR-14
BR-15
BR-16
BR-17
BREW-N-1
BREW-S-1
VW-N-1
VW-N-2
VW-N-3
VW-N-4
VW-N-5
VW-N-6
VW-N-7
VW-S-1
VW-S-2
VW-S-3
VW-S-4
VW-S-5
VW-S-6
VW-S-7
VW-S-8
VW-S-9
VW-S-10
VW-S-11
VW-S-12
VW-S-13
VW-S-14
EW-N-1
EW-N-2
EW-N-3
EW-N-4
EW-N-5
EW-N-6
EW-S-1
EW-S-2
EW-S-3
EW-S-4
EW-S-5
EW-S-6
EW-S-7
EW-S-8
EW-S-9
EW-S-10
EW-S-11
EW-S-12
EW-S-13
EW-S-14
EW-S-15
EW-S-16
271

LEGEND

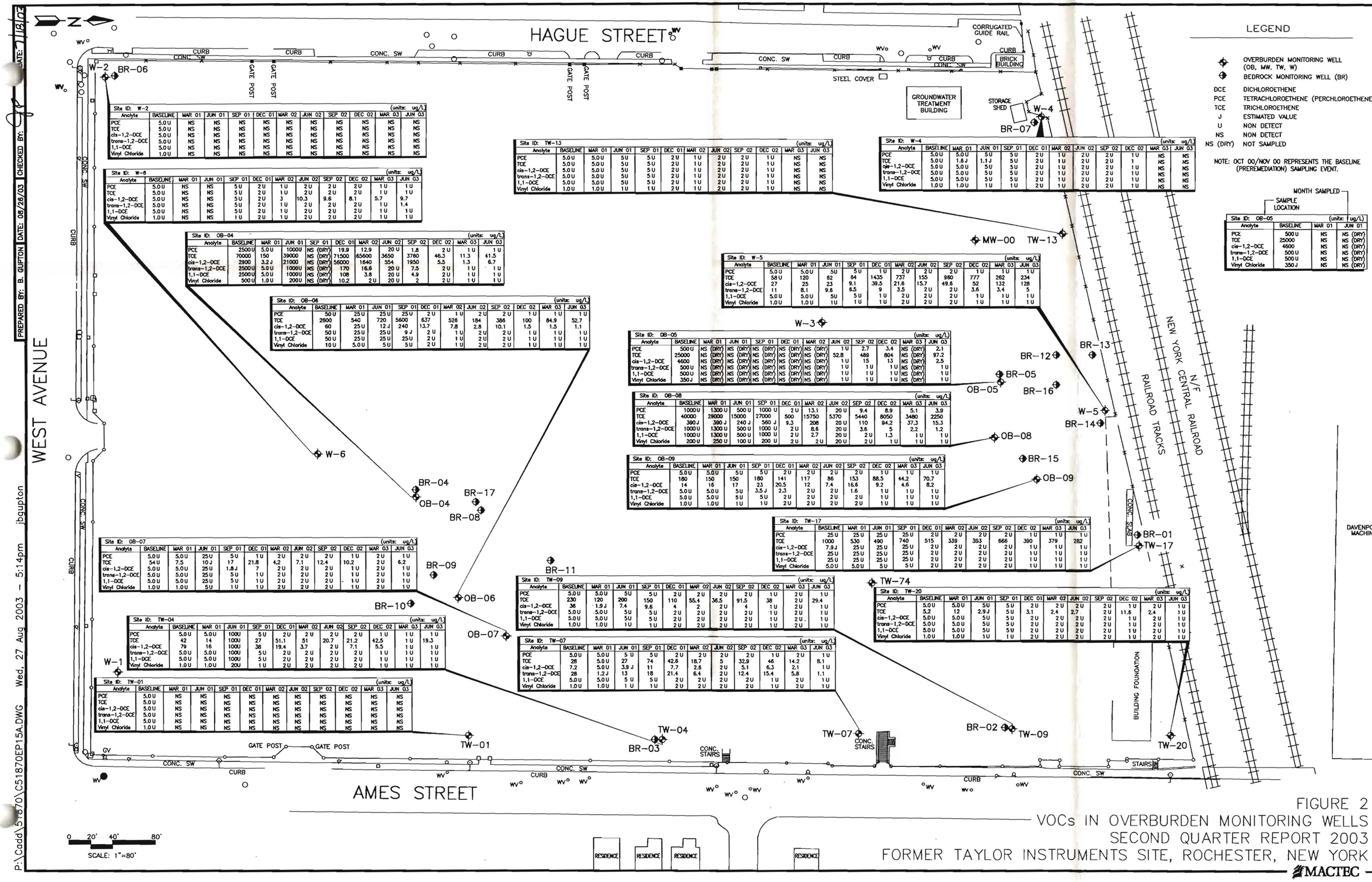
- MANHOLE
- EXISTING ABANDONED SEWER LATERAL PLUG
- RAILROAD TRACKS
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
- GUARD RAIL
- BEDROCK MONITORING WELL (BR)
- OVERBURDEN MONITORING WELL (OB, MW, TW, W)
- BEDROCK EXTRACTION WELL (BREW)
- DUAL-PHASE VACUUM EXTRACTION WELL (DPVE)
- VENT WELL

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

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

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

MACTEC



LEGEND

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

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

MONTH SAMPLED
SAMPLE LOCATION

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

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
PCE	5.0 U	NS	NS	5 U	2 U	1 U	2 U	2 U	2 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
cis-1,2-DCE	5.0 U	NS	NS	5 U	2 U	3	10.3	9.6	8.1	5.7	9.7
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
1,1-DCE	5.0 U	NS	NS	5 U	2 U	1 U	2 U	2 U	2 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

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
PCE	2500 U	5.0 U	1000 U	NS (DRY)	19.9	12.9	20 U	1.8	2 U	1 U	1 U
TCE	70000	150	39000	NS (DRY)	71500	65600	3650	3780	46.3	11.3	41.5
cis-1,2-DCE	2900	3.2 J	21000	NS (DRY)	56000	1640	554	1950	5.5	1.3	6.7
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
1,1-DCE	2500 U	5.0 U	1000 U	NS (DRY)	108	3.8	20 U	4.9	2 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

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
PCE	50 U	25 U	25 U	25 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U
TCE	2600	540	720	5600	637	526	184	386	100	84.9	52.7
cis-1,2-DCE	60	25 U	12 J	240	13.7	7.8	2.8	10.1	1.5	1.5	1.1
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
1,1-DCE	50 U	25 U	25 U	25 U	2 U	1 U	2 U	2 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

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
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
TCE	54 U	7.5	10 J	17	21.8	4.2	7.1	12.4	10.2	2 U	6.2
cis-1,2-DCE	5.0 U	5.0 U	25 U	1.8 J	7	2 U	2 U	2 U	1 U	2 U	1 U
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
1,1-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
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

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
PCE	5.0 U	5.0 U	100 U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	42	14	100 U	27	51.1	51	20.7	21.2	42.5	1 U	19.3
cis-1,2-DCE	79	16	100 U	38	19.4	3.7	2 U	7.1	5.5	1 U	1 U
trans-1,2-DCE	5.0 U	5.0 U	100 U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
1,1-DCE	5.0 U	5.0 U	100 U	5 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	20 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U

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

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

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

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

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03
PCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	1 U	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
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
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
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
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	2 U	1 U	2 U	2 U	1 U	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
PCE	5.0 U	5.0 U	5U	5 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	58 U	120	62	64	1435	737	155	960	777	262	234
cis-1,2-DCE	27	25	23	9.1	39.5	21.8	15.7	49.6	52	132	128
trans-1,2-DCE	11	8.1	9.6	6.5	9	3.5	2 U	2 U	3.6	3.4	5
1,1-DCE	5.0 U	5.0 U	5U	5 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	1 U	2 U	2 U	2 U	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
PCE	500 U	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	1 U	2.7	3.4	NS (DRY)	2.1
TCE	25000	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	52.8	489	804	NS (DRY)	97.2
cis-1,2-DCE	4600	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	1 U	15	13	NS (DRY)	2.5
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
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
Vinyl Chloride	350 J	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	1 U	1 U	1 U	NS (DRY)	1 U

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

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03
PCE	1000 U	1300 U	500 U	1000 U	2 U	13.1	20 U	9.4	8.9	5.1	3.9
TCE	40000	29000	15000	27000	500	15750	5370	5440	8050	3480	2250
cis-1,2-DCE	390 J	390 J	240 J	560 J	9.3	208	20 U	110	94.2	37.3	15.3
trans-1,2-DCE	1000 U	1300 U	500 U	1000 U	2 U	8.8	20 U	3.6	5	2.2	1.2
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
Vinyl Chloride	200 U	250 U	100 U	200 U	2 U	2 U	20 U	2 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
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
TCE	180	150	150	180	141	117	86	153	88.5	44.2	70.7
cis-1,2-DCE	14	16	17	23	20.5	12	7.4	16.6	9.2	4.6	8.2
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
1,1-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
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

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
PCE	25 U	25 U	25 U	25 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
TCE	1000	530	490	740	515	339	393	668	390	379	282
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
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
1,1-DCE	25 U	25 U	25 U	25 U	2 U	2 U	2 U	2 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

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
PCE	5.0 U	5.0 U	5U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U
TCE	230	120	200	150	110	55.4	36.5	91.5	38	2 U	29.4
cis-1,2-DCE	36	1.9 J	7.4	9.6	4	2	2 U	4	1 U	2 U	1 U
trans-1,2-DCE	5.0 U	5.0 U	5U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U
1,1-DCE	5.0 U	5.0 U	5U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1U	1 U	2 U	2 U	2 U	2 U	1 U	2 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
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
TCE	28	5.0 U	27	74	42.6	18.7	5	32.9	46	14.2	8.1
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
trans-1,2-DCE	28	1.2 J	13	18	21.4	6.4	2 U	12.4	15.4	5.8	1.1
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
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

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
PCE	5.0 U	5.0 U	5U	5 U	2 U	2 U	2 U	2 U	1 U	2 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
cis-1,2-DCE	5.0 U	5.0 U	5U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U
trans-1,2-DCE	5.0 U	5.0 U	5U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U
1,1-DCE	5.0 U	5.0 U	5U	5 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1U	1 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U

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

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

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

MACTEC

PREPARED BY: B. GUPTON DATE: 08/26/03 CHECKED BY: DATE: 3/10/03

P:\Cadd\51870EP14A.dwg Thu, 28 Aug 2003 - 8:48am jbgupton

HAGUE STREET

WEST AVENUE

AMES STREET

CORRUGATED GUIDE RAIL

BRICK BUILDING

STEEL COVER

GROUNDWATER TREATMENT BUILDING

STORAGE SHED

N/F NEW YORK CENTRAL RAILROAD RAILROAD TRACKS

DAVENPORT MACHINE

BUILDING FOUNDATION

CONC. STAIRS

STAIRS

RESIDENCE

RESIDENCE

RESIDENCE

RESIDENCE

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

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
PCE	5.0 U	5.0 U	5 U	5 U	2 U	1 U	2 U	2 U	2 U	NS	NS
TCE	5.0 U	5.0 U	1.8 J	5 U	2 U	1 U	2 U	2 U	2 U	NS	NS
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
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
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
Vinyl Chloride	1.0 U	1.0 U	1 U	1 U	2 U	1 U	2 U	2 U	2 U	NS	NS

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
PCE	5.0 U	10 U	10 U	5 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U
TCE	7.4	3.4 J	2.7 J	6.2	4.7	2 U	4.9	4	2 U	3.9	2.3
cis-1,2-DCE	29	34	33	32	28.5	9	32.9	27.3	17.6	35.9	30.7
trans-1,2-DCE	10	13	13	16	10.2	4.3	14.4	14.8	10.1	18	15.8
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
Vinyl Chloride	220	210	200	180	101	33.6	119	90.4	64.8	97.5	101

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
PCE	25 U	25 U	50 U	50U	2 U	1 U	2 U	2 U	1 U	1 U	1 U
TCE	540	1100	720	830	649	621	528	463	398	256	289
cis-1,2-DCE	44	320	210	250	246	242	212	220	222	150	184
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
1,1-DCE	25 U	25 U	50 U	50U	2 U	1 U	2 U	2 U	1.2	1 U	1 U
Vinyl Chloride	7.0 J	5.0 U	10 U	10U	3.1	4	2 U	2 U	4.5	1 U	1 U

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
PCE	5.0 U	5.0 U	130U	100U	1 U	2 U	2 U	2 U	2 U	1 U	1 U
TCE	2.5 J	3200 J	3100	2600	156	132	1980	3240	2.8	1 U	61.2
cis-1,2-DCE	5.0 U	150	180	160	14.6	23.7	558	800	2 U	1 U	81
trans-1,2-DCE	5.0 U	14	130U	100U	1 U	2 U	11.2	22	2 U	1 U	2.3
1,1-DCE	5.0 U	1.7 J	130U	100U	1 U	2 U	4.2	8	2 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

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
PCE	5.0 U	5.0 U	5U	5 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U
TCE	200	130	99	27	1 U	7.4	17.4	3.5	2 U	1 U	1 U
cis-1,2-DCE	8.1	21	26	37	3	15.3	9.8	23.8	28.8	27.5	18.3
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
1,1-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
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

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
PCE	10 U	25 U	25 U	130U	2 U	1 U	2 U	2 U	1 U	1 U	1 U
TCE	840	6900	5200	4100	3840	2600	4540	2740	186	2020	3320
cis-1,2-DCE	160	360	280	220	248	208	198	210	204	159	199
trans-1,2-DCE	84	93	68 J	60 J	44	56.5	49.8	36.8	65.2	41	44
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
Vinyl Chloride	2.0 U	52	46	57 J	33.4	57	45.9	24.5	63.2	36.3	43.7

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
PCE	50 U	250 U	50 U	130U	10U	2U	10U	10U	1 U	1 U	1 U
TCE	4800	5800	4300	2500	3420	3050	4470	2950	3140	2440	56.8
cis-1,2-DCE	1200	850	1600	1600	2480	1734	118	1720	2240	1040	216
trans-1,2-DCE	130	120 J	130	150	153.5	164	23	138	170	113	15.3
1,1-DCE	50 U	250 U	37 J	38 J	41.5	40.2	25	29.7	49.1	20	1.9
Vinyl Chloride	160	160	290	420	290.5	326	176	434	390	184	38.7

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
PCE	5.0 U	5.0 U	5 U	5U	1 U	1 U	2 U	2 U	2 U	NS	NS
TCE	6.0	1.2 J	5 U	5U	1 U	1 U	2 U	2 U	2 U	NS	NS
cis-1,2-DCE	3.8 J	5.0 U	5 U	5U	1 U	1 U	2 U	2 U	2 U	NS	NS
trans-1,2-DCE	5.0 U	5.0 U	5 U	5U	1 U	1 U	2 U	2 U	2 U	NS	NS
1,1-DCE	5.0 U	5.0 U	5 U	5U	1 U	1 U	2 U	2 U	2 U	NS	NS
Vinyl Chloride	1.0 U	1.0 U	1 U	1U	1 U	1 U	2 U	2 U	2 U	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
PCE	100 U	100 U	100 U	200U	1 U	2 U	2 U	2 U	2 U	1 U	1 U
TCE	2700	2500	2300	4800	6590	5500	5800	4390	4740	2500	1180
cis-1,2-DCE	54 J	33 J	49 J	110 J	189	172	373	555	177	404	1390
trans-1,2-DCE	100 U	100 U	100 U	200U	28.2	36.6	36.9	40.3	43.6	21.9	24.8
1,1-DCE	100 U	100 U	100 U	200U	2	2.2	4.6	7.5	2.8	4.3	8.4
Vinyl Chloride	20 U	20 U	20 U	40U	1.1	2 U	3.8	5.4	2 U	1.2	3.9

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
PCE	5.0 U	5.0 U	5U	5U	2 U	1 U	2 U	2 U	2 U	1 U	1 U
TCE	5.0 U	1.2 J	5U	5U	2.2	1 U	2 U	2 U	2 U	1 U	1 U
cis-1,2-DCE	1.2 J	5.0 U	5U	5U	2 U	1 U	2 U	2 U	2 U	1 U	1 U
trans-1,2-DCE	5.0 U	5.0 U	5U	5U	2 U	1 U	2 U	2 U	2 U	1 U	1 U
1,1-DCE	5.0 U	5.0 U	5U	5U	2 U	1 U	2 U	2 U	2 U	1 U	1 U
Vinyl Chloride	1.0 U	1.0 U	1U	1U	2 U	1 U	2 U	2 U	2 U	1 U	1 U

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
PCE	250 U	250 U	50 U	250U	2U	2U	20U	2U	1.7	1 U	1 U
TCE	13000	9500	1500	5500	6000	2420	6530	4580	9030	343	57.5
cis-1,2-DCE	190 J	100 J	36 J	68 J	60	302	20U	64.3	95.3	303	14.9
trans-1,2-DCE	250 U	250 U	50 U	250U	2.9	5.4	20U	5.1	7.3	2.1	1 U
1,1-DCE	250 U	250 U	50 U	250U	2U	2U	20U	2U	1.3	1	1 U
Vinyl Chloride	50 U	50 U	10 U	50U	2U	2U	20U	2U	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
PCE	50 U	50 U	1000 U	2500U	2 U	2 U	20 U	2.3	1.7	2.3	1 U
TCE	1400	44000	39000	60000	140	33300	874	37200	34100	28600	5890
cis-1,2-DCE	320	260	660 J	2500U	339	370	52	440	1650	338	313
trans-1,2-DCE	52	120	1000U	2500U	108	106	20 U	82.4	80.1	1 U	52.6
1,1-DCE	50 U	21 J	1000U	2500U	2	10.9	20 U	12.2	25.8	8.1	3
Vinyl Chloride	13 J	10 U	200U	500U	35.4	28.1	32	18	31.1	25.7	23.8

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
PCE	5.0 U	10 U	10 U	5U	2 U	1 U	2 U	2 U	2 U	1 U	1 U
TCE	180	320	270	31	63.8	47.3	85.7	107	14.3	25.8	60.9
cis-1,2-DCE	550	34	59	170	77.5	5.5	10.1	16	83	2.1	4.6
trans-1,2-DCE	4.3 J	2.2 J	4.4 J	16	2	1.8	3.2	4	3.8	1	2.8
1,1-DCE	5.0 U	10 U	10 U	5U	2 U	1 U	2 U	2 U	2 U	1 U	1 U
Vinyl Chloride	3.5 J	2.0 U	2 U	1U	2 U	1 U	2 U	2 U	2 U	1 U	1 U

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
PCE	100 U	130 U	250 U	250U	1 U	2 U	2 U	2 U	2 U	1 U	1 U
TCE	4000	4700	8500	8700	5350	3745	5100	2 U	3060	2580	2950
cis-1,2-DCE	450	980	1000	1700	1200	1090	1290	120	750	886	1080
trans-1,2-DCE	27 J	110 J	250 U	160 J	82.8	78.2	84.6	9.8	60.1	42.2	81.7
1,1-DCE	100 U	130 U	250 U	250U	3.4	3.9	4.7	2 U	2.3	2.5	3.2
Vinyl Chloride	20 U	25 U	50 U	50U	5.6	5.5	5.3	2 U	2 U	3.1	5.1

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
PCE	50 U	50 U	50 U	50U	2U	1 U	2 U	2 U	2 U	1 U	1 U
TCE	1800	1200	1000	7000	6500	588	568	768	694	4000	710
cis-1,2-DCE	540	95	94	1500	1830	79.6	122	518	172	19100	17900
trans-1,2-DCE	31 J	50 U	27 J	63	59.8	20.8	2.2	24.4	29.8	154	120
1,1-DCE	50 U	50 U	50 U	31J	30.3	1.2	2 U	4.6	2 U	156	122
Vinyl Chloride	10 U	10 U	10 U	10U	19.6	1 U	2 U	18.7	5.6	64.9	88.1

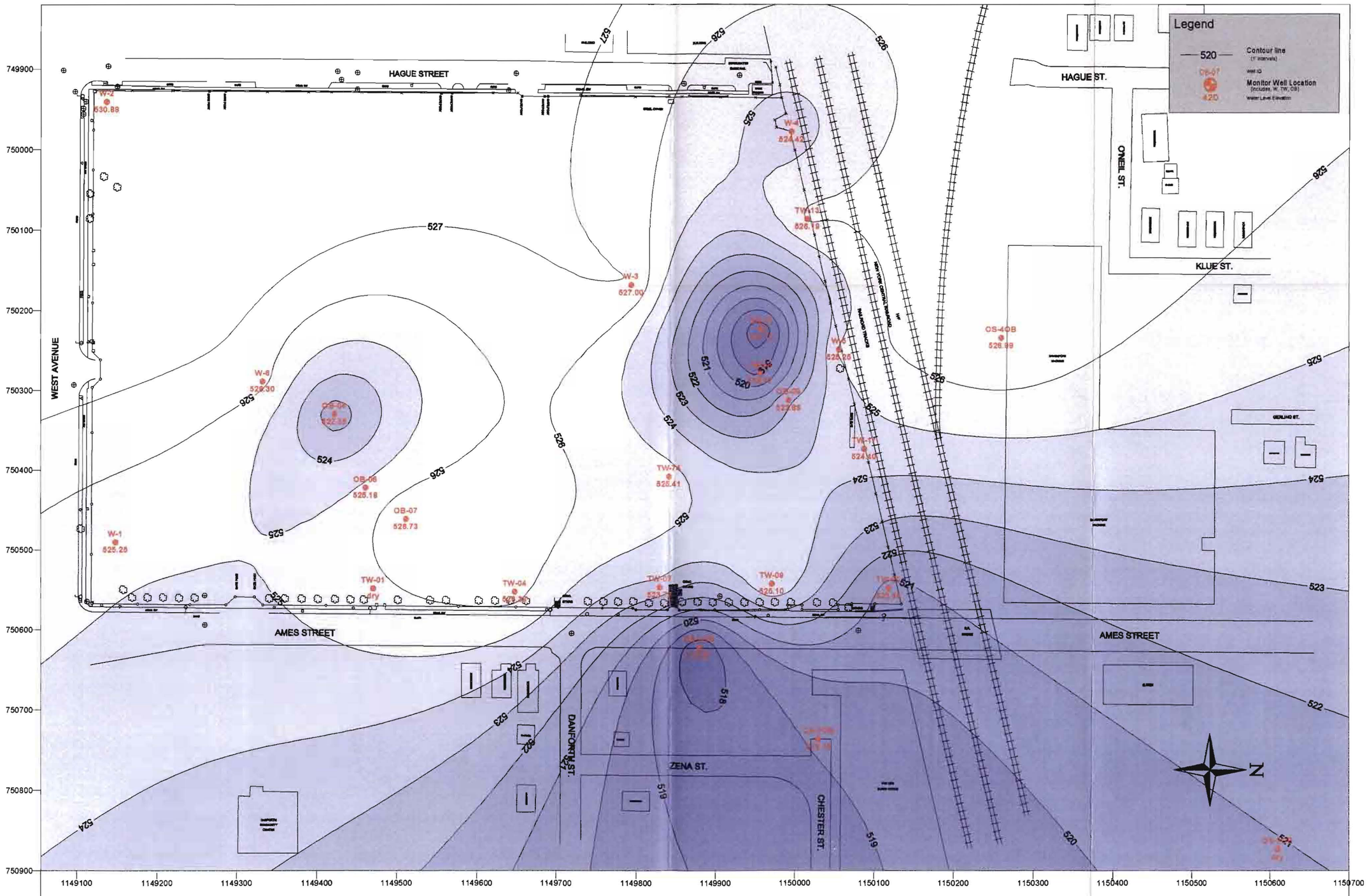
Site ID: BR-03 (units: ug/L)

Analyte	BASELINE	MAR 01	JUN 01	SEP 01	DEC 01	MAR 02	JUN 02	SEP 02	DEC 02	MAR 03	JUN 03
PCE	5.0 U	13 U	25 U	13U	2 U	1 U	2 U	2 U	2 U	1 U	1 U
TCE	440	810	500	330	780	598	854	370	821	590	832
cis-1,2-DCE	99	12 J	20 J	7.8 J	7.6	9.8	19.7	6.5	13.5	7.7	25.3
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
1,1-DCE	2.2 J	3.2 J	25 U	13U	2.2	2.1	2.8	2 U	3.3 U	2	3
Vinyl Chloride	1.0 U	2.5 U	5U	2.5U	2 U	1 U	2 U	2 U	2 U	1 U	1 U

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

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

MACTEC



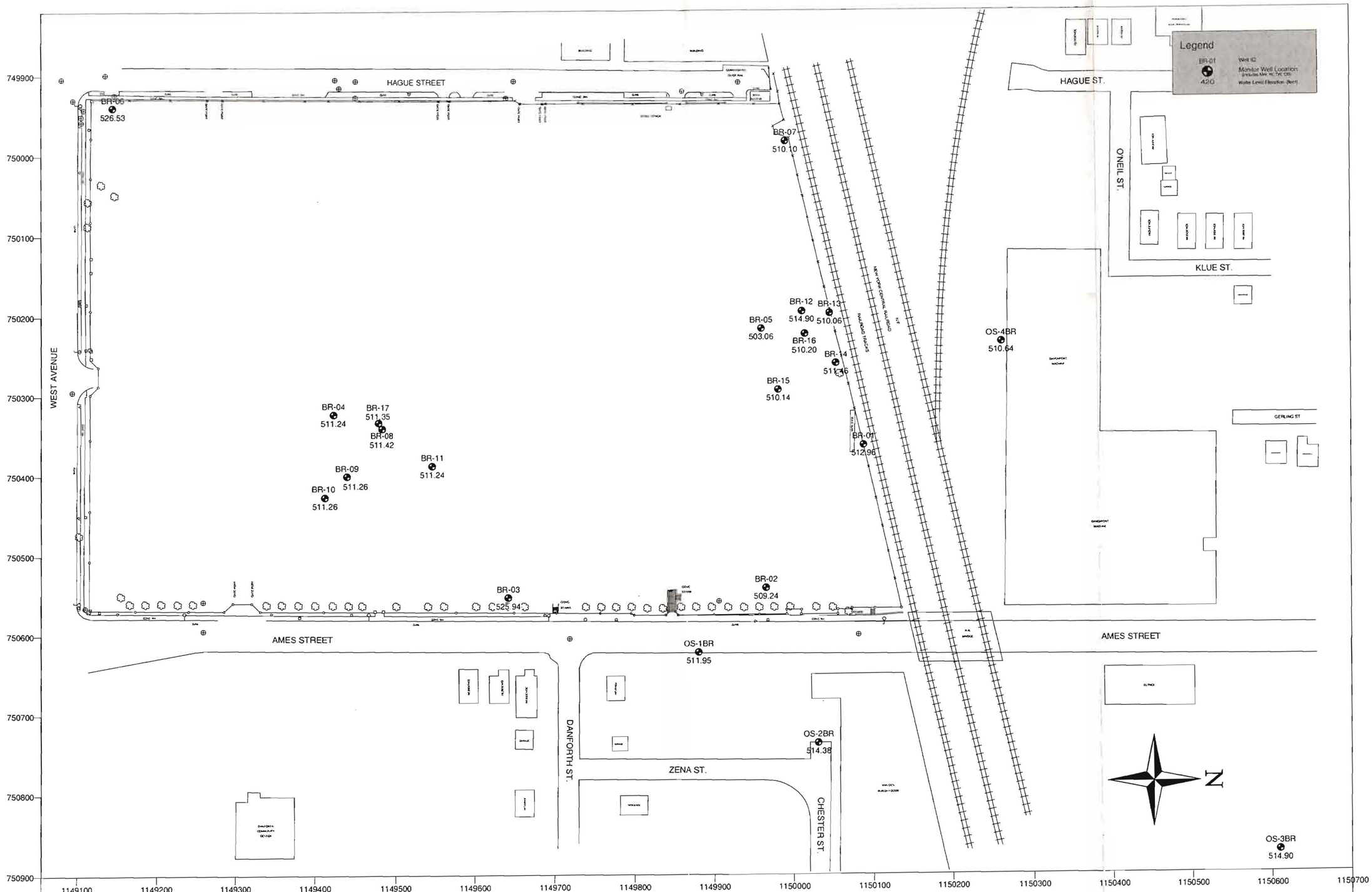
Note: Data for Monitor Wells OS-1OB, OS-2OB, OS-3OB, and OS-4OB were provided by Haley and Aldrich of New York. Data collected on June 10, 2003.

Prepared by _____ on 7/18/03

Checked by MJB on 9/5/03

FIGURE 4
OVERBURDEN POTENTIOMETRIC SURFACE MAP
QUARTERLY REPORT (JUNE 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 June 10, 2003

Prepared by _____ on 7/18/03

Checked by _____ on 9/5/03

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

MACTEC Engineering and Consulting

Figure 6
Average Groundwater Flowrates

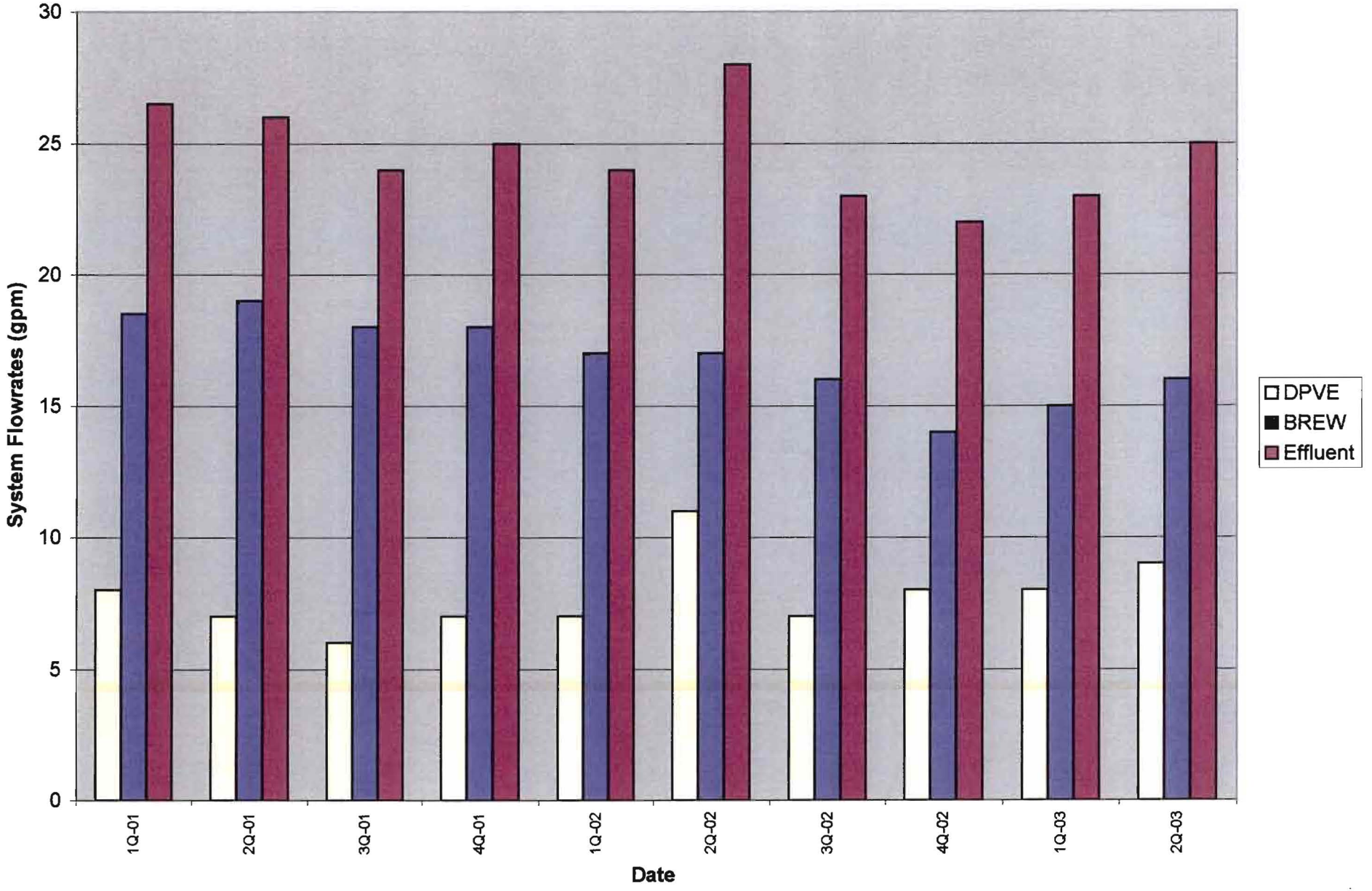


Figure 7
TCE Mass Removed

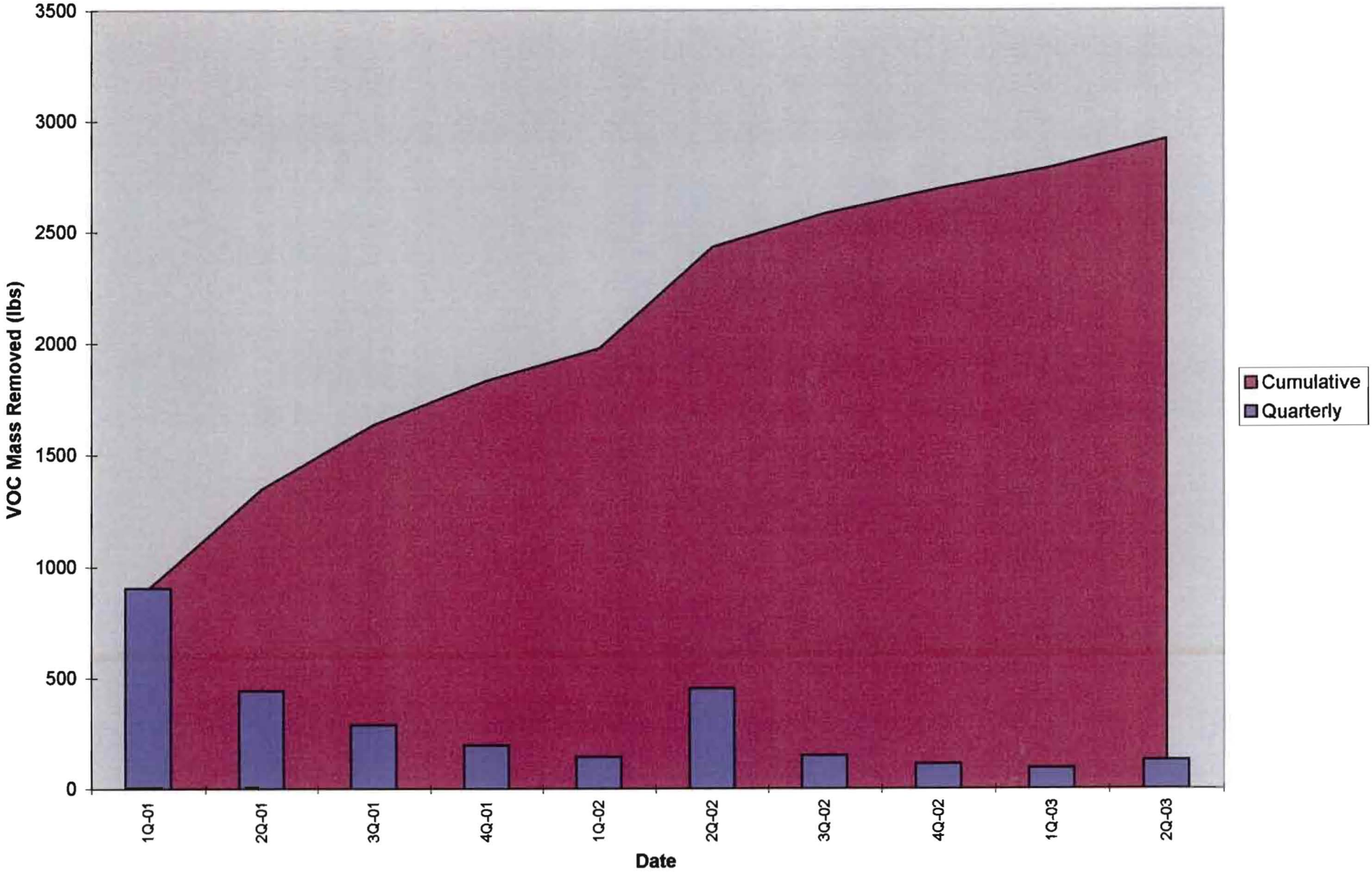


Figure 8
System TCE Effluent Vapor Results

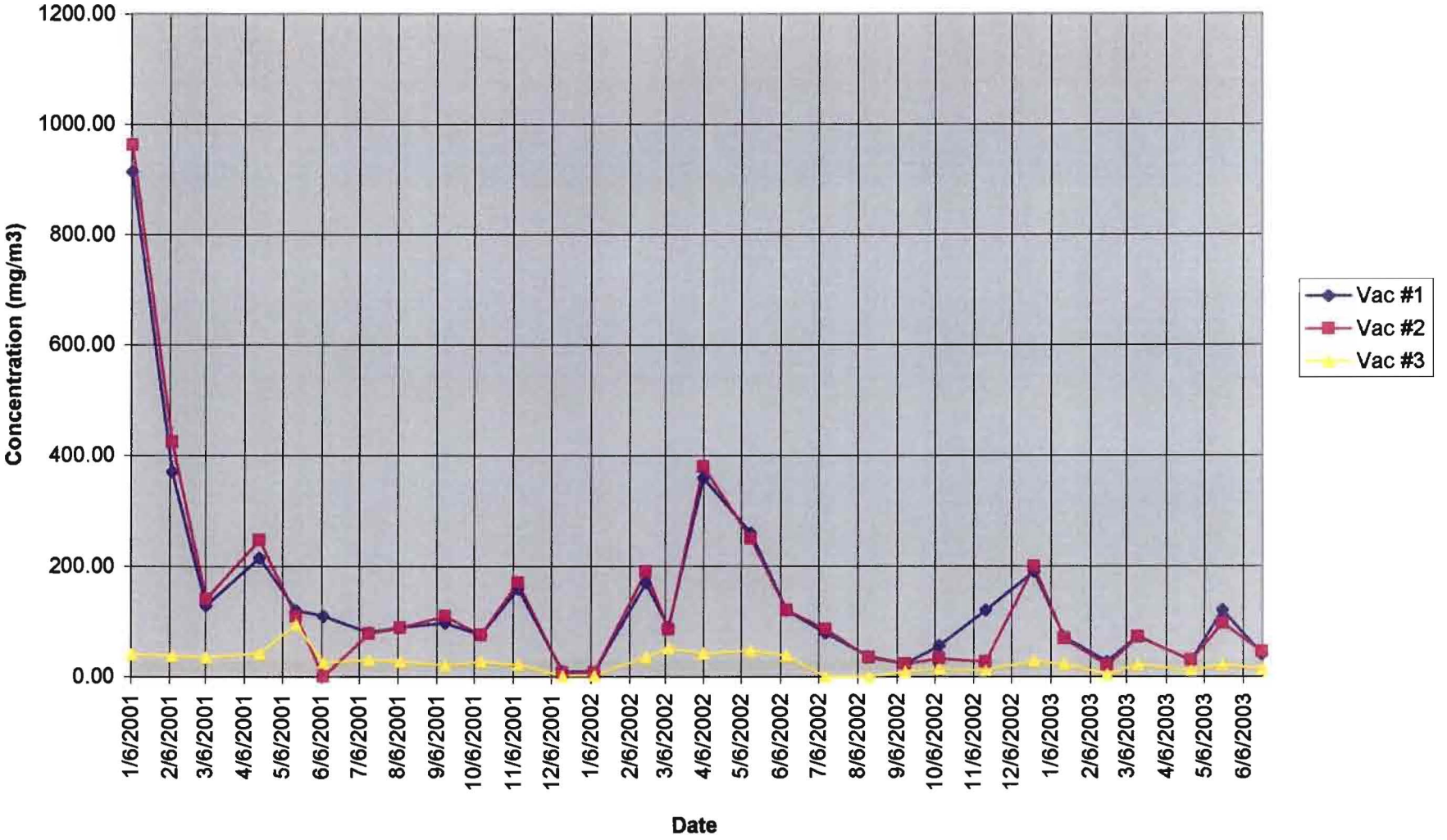
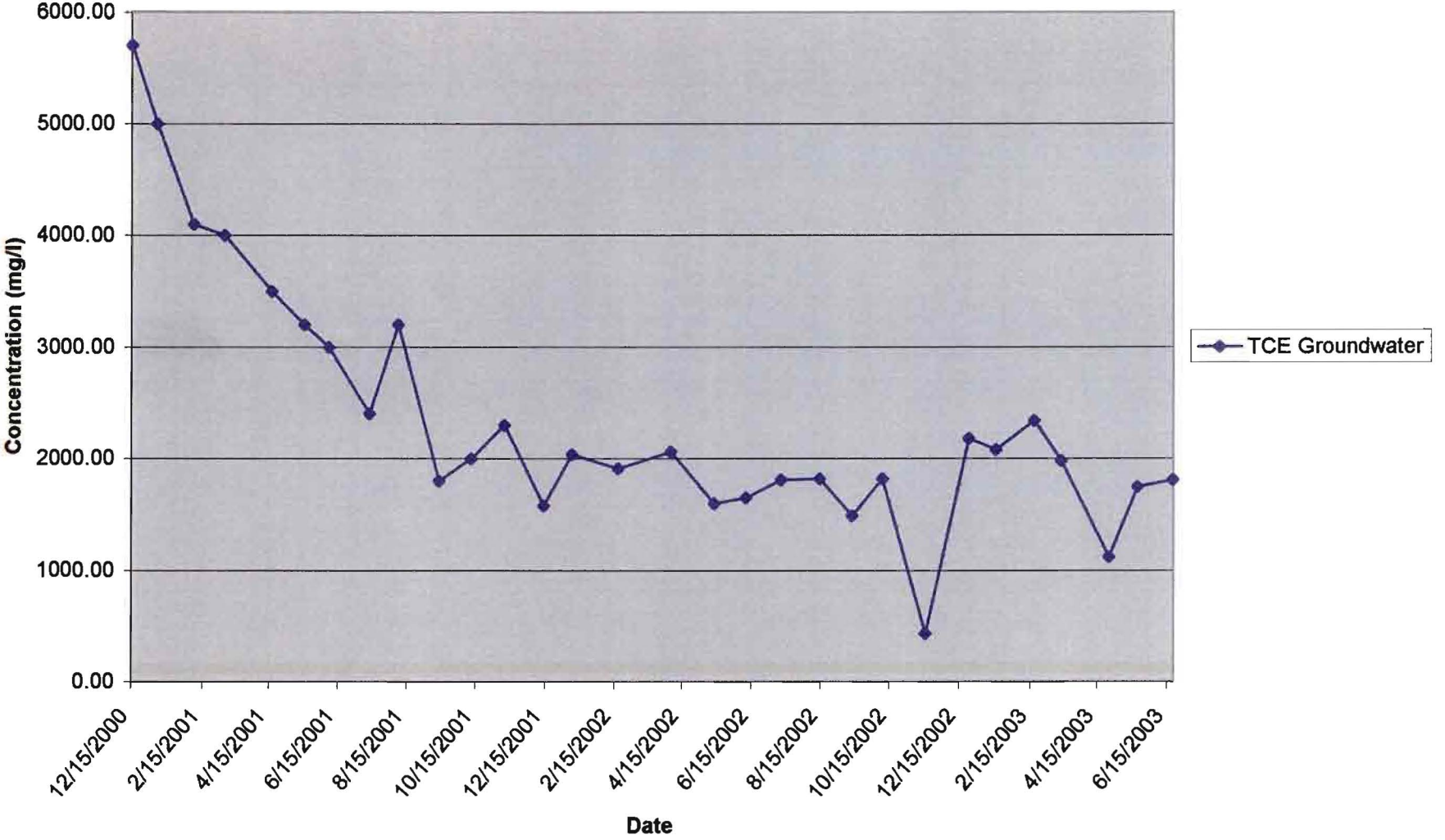


Figure 9
System TCE Influent Groundwater Results



APPENDIX B

LABORATORY REPORTS

June 10 - 12, 2003
Analytical Data

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

35740

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 Janna Peevler
Invoice To: Rick Ryan
Quote #: 121102.217-199
PO#: MEC03030015

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

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

SAMPLE ID		Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	VOCs (8260)									REMARKS
QARBØ1	92687	6/10/03	1136	G		GW		3						3									rinse blank
QAFBØ1	88	6/10/03	1140	G		GW		3						3									field blank
QATBØ1	89	6/10/03	000	G		GW		1						1									trip blank
TW-Ø4	90	6/10/03	1352	G		GW		3						3									
TW-17	91	6/10/03	1457	G		GW		3						3									
TW-20	92	6/10/03	1538	G		GW		3						3									
TW-Ø7	93	6/10/03	1625	G		GW		3						3									
TW-Ø9	94	6/11/03	1003	G		GW		3						3									
OB-Ø9	95	6/11/03	1045	G		GW		3						3									
OB-Ø7	92696	6/11/03	1305	G		GW		3						3									

Special Instructions:

Relinquished By	Date	Time	Received By	Date	Time
Janna Peevler	6/12/03	1700	[signature]	6/13/03	8:10

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

Fax COC to Knoxville Office Fax # (865) 693-

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

35740

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 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 #: 21102.217.199 PO#: MECD3030015

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

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOCs (8260)	QC Deliverables	REMARKS
OB-07 (MS) 9696	6/11/03	1308	G		GW		3						3		matrix spike
OB-07 (MSD) 96	6/11/03	1308	G		GW		3						3		matrix spike dup.
W-5 97	6/11/03	1350	G		GW		3						3		
W-5 (dup) 98	6/11/03	1352	G		GW		3						3		
OB-06 99	6/11/03	1524	G		GW		3						3		
BR-08 dd	6/12/03	922	G		GW		3						3		
BR-17 01	6/12/03	1020	G		GW		3						3		
BR-03 02	6/12/03	1314	G		GW		3						3		
BR-14 03	6/12/03	1440	G		GW		3						3		
BR-01 9704	6/12/03	1542	G		GW		3						3		

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

Special Instructions:

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

	Date	Time		Date	Time
Relinquished By:	6/12/03	1700	Received By: MB	6/13/03	8:10
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Fax to Knoxville Office
Fax #

TestAmerica
ANALYTICAL TESTING CORPORATION

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

6/23/03

MACTEC ENGINEERNIG AND CONSULT 4997

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

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: FORMER TAYLOR INSTRUMENT
Project Number: 51870.9.
Laboratory Project Number: 335740.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980.

Sample Identification	Lab Number	Collection Date
QARB01	03-A92687	6/10/03
QAFB01	03-A92688	6/10/03
QATB01	03-A92689	6/10/03
TW-04	03-A92690	6/10/03
TW-17	03-A92691	6/10/03
TW-20	03-A92692	6/10/03
TW-07	03-A92693	6/10/03
TW-09	03-A92694	6/11/03
OB-09	03-A92695	6/11/03
OB-07	03-A92696	6/11/03
W-5	03-A92697	6/11/03
W-5 DUP	03-A92698	6/11/03
OB-06	03-A92699	6/11/03
BR-08	03-A92700	6/12/03
BR-17	03-A92701	6/12/03
BR-03	03-A92702	6/12/03
BR-14	03-A92703	6/12/03
BR-01	03-A92704	6/12/03

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:  Report Date: 6/23/03

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 11342

TestAmerica
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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92687
Sample ID: QARB01
Sample Type: Ground water
Site ID:

Date Collected: 6/10/03
Time Collected: 11:36
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	8:53	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	8:53	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	8:53	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Carbon disulfide	0.00160	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	8:53	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92687
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	6/18/03	8:53	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	8:53	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	8:53	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	8:53	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	8:53	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	8:53	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	8:53	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Trichloroethene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	8:53	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	8:53	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	8:53	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92687
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	6/18/03	8:53	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	112.	70. - 133.
VOA Surr Toluene-d8	99.	76. - 123.
VOA Surr, 4-BFB	116.	71. - 132.
VOA Surr, DBFM	105.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92688
Sample ID: QAFB01
Sample Type: Ground water
Site ID:

Date Collected: 6/10/03
Time Collected: 11:40
Date Received: 6/13/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/21/03	12:45	S. Udeze	8260B	4778
Benzene	ND	mg/l	0.0010	1	6/21/03	12:45	S. Udeze	8260B	4778
Bromobenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Bromochloromethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Bromoform	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Bromomethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
2-Butanone	ND	mg/l	0.0250	1	6/21/03	12:45	S. Udeze	8260B	4778
n-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
sec-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
t-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Carbon disulfide	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Carbon tetrachloride	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Chlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Chloroethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Chloroform	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Chloromethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
2-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
4-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/21/03	12:45	S. Udeze	8260B	4778
Dibromochloromethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Dibromomethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92688
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	6/21/03	12:45	S. Udeze	8260B	4778
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Ethylbenzene	ND	mg/l	0.0010	1	6/21/03	12:45	S. Udeze	8260B	4778
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
2-Hexanone	ND	mg/l	0.00500	1	6/21/03	12:45	S. Udeze	8260B	4778
Isopropylbenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/21/03	12:45	S. Udeze	8260B	4778
Methylene chloride	ND	mg/l	0.00250	1	6/21/03	12:45	S. Udeze	8260B	4778
Naphthalene	ND	mg/l	0.00500	1	6/21/03	12:45	S. Udeze	8260B	4778
n-Propylbenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Styrene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Tetrachloroethene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Toluene	ND	mg/l	0.0010	1	6/21/03	12:45	S. Udeze	8260B	4778
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Trichloroethene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/21/03	12:45	S. Udeze	8260B	4778
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Vinyl chloride	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778
Xylenes (Total)	ND	mg/l	0.0010	1	6/21/03	12:45	S. Udeze	8260B	4778
Bromodichloromethane	ND	mg/l	0.00100	1	6/21/03	12:45	S. Udeze	8260B	4778

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92688
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	6/21/03	12:45	S. Udeze	8260B	4778

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	97.	70. - 133.
VOA Surr Toluene-d8	98.	76. - 123.
VOA Surr, 4-BFB	103.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92689
Sample ID: QATB01
Sample Type: Ground water
Site ID:

Date Collected: 6/10/03
Time Collected:
Date Received: 6/13/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	9:22	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	9:22	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	9:22	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	9:22	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92689
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	6/18/03	9:22	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	9:22	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	9:22	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	9:22	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	9:22	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	9:22	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	9:22	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Trichloroethene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	9:22	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	9:22	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	9:22	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92689
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	6/18/03	9:22	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	113.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	111.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92690
Sample ID: TW-04
Sample Type: Ground water
Site ID:

Date Collected: 6/10/03
Time Collected: 13:52
Date Received: 6/13/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	9:52	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	9:52	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	9:52	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	9:52	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92690
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	6/18/03	9:52	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	9:52	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	9:52	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	9:52	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	9:52	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	9:52	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	9:52	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Trichloroethene	0.0193	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	9:52	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	9:52	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	9:52	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92690
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	6/18/03	9:52	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	70. - 133.
VOA Surr Toluene-d8	99.	76. - 123.
VOA Surr, 4-BFB	111.	71. - 132.
VOA Surr, DBFM	105.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92691
Sample ID: TW-17
Sample Type: Ground water
Site ID:

Date Collected: 6/10/03
Time Collected: 14:57
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	10:22	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	10:22	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	10:22	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	10:22	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92691
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	6/18/03	10:22	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	10:22	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	10:22	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	10:22	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	10:22	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	10:22	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	10:22	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Trichloroethene	0.282	mg/l	0.00500	5	6/19/03	14:04	S. Udeze	8260B	3418
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	10:22	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	10:22	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	10:22	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92691
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	6/18/03	10:22	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	112.	70. - 133.
VOA Surr Toluene-d8	91.	76. - 123.
VOA Surr, 4-BFB	108.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92692
Sample ID: TW-20
Sample Type: Ground water
Site ID:

Date Collected: 6/10/03
Time Collected: 15:38
Date Received: 6/13/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/20/03	12:21	S. Udeze	8260B	4531
Benzene	ND	mg/l	0.0010	1	6/20/03	12:21	S. Udeze	8260B	4531
Bromobenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Bromochloromethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Bromoform	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Bromomethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
2-Butanone	ND	mg/l	0.0250	1	6/20/03	12:21	S. Udeze	8260B	4531
n-Butylbenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
sec-Butylbenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
t-Butylbenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Carbon disulfide	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Carbon tetrachloride	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Chlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Chloroethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Chloroform	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Chloromethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
2-Chlorotoluene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
4-Chlorotoluene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/20/03	12:21	S. Udeze	8260B	4531
Dibromochloromethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Dibromomethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92692
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	6/20/03	12:21	S. Udeze	8260B	4531
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Ethylbenzene	ND	mg/l	0.0010	1	6/20/03	12:21	S. Udeze	8260B	4531
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
2-Hexanone	ND	mg/l	0.00500	1	6/20/03	12:21	S. Udeze	8260B	4531
Isopropylbenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/20/03	12:21	S. Udeze	8260B	4531
Methylene chloride	ND	mg/l	0.00250	1	6/20/03	12:21	S. Udeze	8260B	4531
Naphthalene	ND	mg/l	0.00500	1	6/20/03	12:21	S. Udeze	8260B	4531
n-Propylbenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Styrene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Tetrachloroethene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Toluene	ND	mg/l	0.0010	1	6/20/03	12:21	S. Udeze	8260B	4531
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Trichloroethene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/20/03	12:21	S. Udeze	8260B	4531
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Vinyl chloride	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531
Xylenes (Total)	ND	mg/l	0.0010	1	6/20/03	12:21	S. Udeze	8260B	4531
Bromodichloromethane	ND	mg/l	0.00100	1	6/20/03	12:21	S. Udeze	8260B	4531

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92692
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	6/20/03	12:21	S. Udeze	8260B	4531

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	111.	70. - 133.
VOA Surr Toluene-d8	104.	76. - 123.
VOA Surr, 4-BFB	108.	71. - 132.
VOA Surr, DBFM	105.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92693
Sample ID: TW-07
Sample Type: Ground water
Site ID:

Date Collected: 6/10/03
Time Collected: 16:25
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	11:21	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	11:21	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	11:21	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	11:21	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92693
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	6/18/03	11:21	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	0.00110	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	11:21	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	11:21	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	11:21	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	11:21	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	11:21	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	11:21	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Trichloroethene	0.00810	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	11:21	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	11:21	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	11:21	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92693
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	6/18/03	11:21	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	107.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92694
Sample ID: TW-09
Sample Type: Ground water
Site ID:

Date Collected: 6/11/03
Time Collected: 10:03
Date Received: 6/13/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	11:51	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	11:51	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	11:51	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	11:51	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92694
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	6/18/03	11:51	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	11:51	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	11:51	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	11:51	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	11:51	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	11:51	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	11:51	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Trichloroethene	0.0294	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	11:51	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	11:51	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	11:51	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92694
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	6/18/03	11:51	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	70. - 133.
VOA Surr Toluene-d8	98.	76. - 123.
VOA Surr, 4-BFB	107.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92695
Sample ID: OB-09
Sample Type: Ground water
Site ID:

Date Collected: 6/11/03
Time Collected: 10:45
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	12:20	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	12:20	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	12:20	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	12:20	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Dichlorodifluoromethane	0.00100	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92695
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	6/18/03	12:20	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	0.00820	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	12:20	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	12:20	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	12:20	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	12:20	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	12:20	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	12:20	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Trichloroethene	0.0707	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	12:20	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	12:20	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	12:20	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92695
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	6/18/03	12:20	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	116.	70. - 133.
VOA Surr Toluene-d8	91.	76. - 123.
VOA Surr, 4-BFB	108.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92696
Sample ID: OB-07
Sample Type: Ground water
Site ID:

Date Collected: 6/11/03
Time Collected: 13:05
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	12:50	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	12:50	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	12:50	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	12:50	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92696
Sample ID: OB-07
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	12:50	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	12:50	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	12:50	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	12:50	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	12:50	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	12:50	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Trichloroethene	0.00620	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	12:50	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	12:50	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92696
Sample ID: OB-07
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	6/18/03	12:50	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	108.	71. - 132.
VOA Surr, DBFM	106.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92697
Sample ID: W-5
Sample Type: Ground water
Site ID:

Date Collected: 6/11/03
Time Collected: 13:50
Date Received: 6/13/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	13:20	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	13:20	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	13:20	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	13:20	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92697
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	6/18/03	13:20	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	0.128	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	0.00500	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	13:20	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	13:20	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	13:20	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	13:20	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	13:20	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	13:20	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Trichloroethene	0.234	mg/l	0.00500	5	6/19/03	14:34	S. Udeze	8260B	3418
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	13:20	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	13:20	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	13:20	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92697
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	6/18/03	13:20	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	70. - 133.
VOA Surr Toluene-d8	89.	76. - 123.
VOA Surr, 4-BFB	107.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92698
Sample ID: W-5 DUP
Sample Type: Ground water
Site ID:

Date Collected: 6/11/03
Time Collected: 13:52
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	13:49	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	13:49	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	13:49	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	13:49	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92698
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	6/18/03	13:49	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	0.152	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	0.00510	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	13:49	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	13:49	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	13:49	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	13:49	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	13:49	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	13:49	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Trichloroethene	0.234	mg/l	0.00500	5	6/19/03	15:03	S. Udeze	8260B	3418
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	13:49	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	13:49	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	13:49	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92698
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	6/18/03	13:49	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	70. - 133.
VOA Surr Toluene-d8	89.	76. - 123.
VOA Surr, 4-BFB	106.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92699
Sample ID: OB-06
Sample Type: Ground water
Site ID:

Date Collected: 6/11/03
Time Collected: 15:24
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	14:19	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	14:19	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	14:19	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	14:19	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92699
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	6/18/03	14:19	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	0.00110	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	14:19	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	14:19	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	14:19	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	14:19	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	14:19	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	14:19	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Trichloroethene	0.0527	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	14:19	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	14:19	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	14:19	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92699
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	6/18/03	14:19	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	70. - 133.
VOA Surr Toluene-d8	90.	76. - 123.
VOA Surr, 4-BFB	106.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92700
Sample ID: BR-08
Sample Type: Ground water
Site ID:

Date Collected: 6/12/03
Time Collected: 9:22
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	14:48	S. Udeze	8260B	2288
Benzene	0.0022	mg/l	0.0010	1	6/18/03	14:48	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	14:48	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Carbon disulfide	0.00200	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	14:48	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92700
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	6/18/03	14:48	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	0.184	mg/l	0.00500	5	6/19/03	15:33	S. Udeze	8260B	3418
trans-1,2-Dichloroethene	0.00270	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	14:48	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	14:48	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	14:48	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	14:48	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	14:48	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Toluene	0.0069	mg/l	0.0010	1	6/18/03	14:48	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Trichloroethene	0.289	mg/l	0.00500	5	6/19/03	15:33	S. Udeze	8260B	3418
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	14:48	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288
Xylenes (Total)	0.0050	mg/l	0.0010	1	6/18/03	14:48	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	14:48	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92700
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	6/18/03	14:48	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	113.	70. - 133.
VOA Surr Toluene-d8	93.	76. - 123.
VOA Surr, 4-BFB	105.	71. - 132.
VOA Surr, DBFM	105.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92701
Sample ID: BR-17
Sample Type: Ground water
Site ID:

Date Collected: 6/12/03
Time Collected: 10:20
Date Received: 6/13/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	15:18	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	15:18	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	15:18	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Carbon disulfide	0.00100	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	15:18	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92701
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	6/18/03	15:18	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,1-Dichloroethene	0.00250	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	0.199	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	0.0440	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	15:18	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	15:18	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	15:18	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	15:18	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	15:18	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	15:18	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Trichloroethene	3.32	mg/l	0.100	100	6/19/03	16:03	S. Udeze	8260B	3418
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	15:18	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Vinyl chloride	0.0437	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	15:18	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	15:18	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92701
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	6/18/03	15:18	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	116.	70. - 133.
VOA Surr Toluene-d8	94.	76. - 123.
VOA Surr, 4-BFB	106.	71. - 132.
VOA Surr, DBFM	105.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92702
Sample ID: BR-03
Sample Type: Ground water
Site ID:

Date Collected: 6/12/03
Time Collected: 13:14
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	15:48	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	15:48	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	15:48	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	15:48	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92702
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	6/18/03	15:48	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,1-Dichloroethene	0.00300	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	0.0253	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	0.00190	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	15:48	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	15:48	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	15:48	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	15:48	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	15:48	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	15:48	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Trichloroethene	0.632	mg/l	0.0200	20	6/19/03	16:33	S. Udeze	8260B	3418
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	15:48	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	15:48	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	15:48	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92702
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	6/18/03	15:48	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	70. - 133.
VOA Surr Toluene-d8	94.	76. - 123.
VOA Surr, 4-BFB	108.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92703
Sample ID: BR-14
Sample Type: Ground water
Site ID:

Date Collected: 6/12/03
Time Collected: 14:40
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.517	mg/l	0.0250	1	6/20/03	12:50	S. Udeze	8260B	4531
Benzene	ND	mg/l	0.0010	1	6/20/03	12:50	S. Udeze	8260B	4531
Bromobenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Bromochloromethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Bromoform	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Bromomethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
2-Butanone	ND	mg/l	0.0250	1	6/20/03	12:50	S. Udeze	8260B	4531
n-Butylbenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
sec-Butylbenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
t-Butylbenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Carbon disulfide	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Carbon tetrachloride	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Chlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Chloroethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Chloroform	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Chloromethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
2-Chlorotoluene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
4-Chlorotoluene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/20/03	12:50	S. Udeze	8260B	4531
Dibromochloromethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Dibromomethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531

ple report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92703
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	6/20/03	12:50	S. Udeze	8260B	4531
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Ethylbenzene	ND	mg/l	0.0010	1	6/20/03	12:50	S. Udeze	8260B	4531
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
2-Hexanone	ND	mg/l	0.00500	1	6/20/03	12:50	S. Udeze	8260B	4531
Isopropylbenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/20/03	12:50	S. Udeze	8260B	4531
Methylene chloride	ND	mg/l	0.00250	1	6/20/03	12:50	S. Udeze	8260B	4531
Naphthalene	ND	mg/l	0.00500	1	6/20/03	12:50	S. Udeze	8260B	4531
n-Propylbenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Styrene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Tetrachloroethene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Toluene	0.0021	mg/l	0.0010	1	6/20/03	12:50	S. Udeze	8260B	4531
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Trichloroethene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/20/03	12:50	S. Udeze	8260B	4531
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Vinyl chloride	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531
Xylenes (Total)	ND	mg/l	0.0010	1	6/20/03	12:50	S. Udeze	8260B	4531
Bromodichloromethane	ND	mg/l	0.00100	1	6/20/03	12:50	S. Udeze	8260B	4531

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92703
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	6/20/03	12:50	S. Udeze	8260B	4531

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	111.	70. - 133.
VOA Surr Toluene-d8	99.	76. - 123.
VOA Surr, 4-BFB	105.	71. - 132.
VOA Surr, DBFM	105.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A92704
Sample ID: BR-01
Sample Type: Ground water
Site ID:

Date Collected: 6/12/03
Time Collected: 15:42
Date Received: 6/13/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/18/03	16:47	S. Udeze	8260B	2288
Benzene	ND	mg/l	0.0010	1	6/18/03	16:47	S. Udeze	8260B	2288
Bromobenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Bromochloromethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Bromoform	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Bromomethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
2-Butanone	ND	mg/l	0.0250	1	6/18/03	16:47	S. Udeze	8260B	2288
n-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
sec-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
t-Butylbenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Carbon disulfide	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Carbon tetrachloride	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Chlorobenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Chloroethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Chloroform	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Chloromethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
2-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
4-Chlorotoluene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/18/03	16:47	S. Udeze	8260B	2288
Dibromochloromethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Dibromomethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

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ANALYTICAL REPORT

Laboratory Number: 03-A92704
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	6/18/03	16:47	S. Udeze	8260B	2288
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
cis-1,2-Dichloroethene	0.00460	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
trans-1,2-Dichloroethene	0.00280	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Ethylbenzene	ND	mg/l	0.0010	1	6/18/03	16:47	S. Udeze	8260B	2288
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
2-Hexanone	ND	mg/l	0.00500	1	6/18/03	16:47	S. Udeze	8260B	2288
Isopropylbenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/18/03	16:47	S. Udeze	8260B	2288
Methylene chloride	ND	mg/l	0.00250	1	6/18/03	16:47	S. Udeze	8260B	2288
Naphthalene	ND	mg/l	0.00500	1	6/18/03	16:47	S. Udeze	8260B	2288
n-Propylbenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Styrene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Tetrachloroethene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Toluene	ND	mg/l	0.0010	1	6/18/03	16:47	S. Udeze	8260B	2288
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Trichloroethene	0.0609	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/18/03	16:47	S. Udeze	8260B	2288
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Vinyl chloride	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288
Xylenes (Total)	ND	mg/l	0.0010	1	6/18/03	16:47	S. Udeze	8260B	2288
Bromodichloromethane	ND	mg/l	0.00100	1	6/18/03	16:47	S. Udeze	8260B	2288

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A92704
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	6/18/03	16:47	S. Udeze	8260B	2288

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	116.	70. - 133.
VOA Surr Toluene-d8	84.	76. - 123.
VOA Surr, 4-BFB	104.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

[redacted]of Sample Report.

June 13 - 15, 2003
Analytical Data

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

136028

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: 865.531.8276
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)

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

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	VOCs (8260)	REMARKS
BR-02 94037	6/13/03	942	G		GW		3						3	
BR-07 38	6/13/03	1104	G		GW		3						3	
BR-07 (dup) 39	6/13/03	1104	G		GW		3						3	
BR-12 40	6/13/03	1343	G		GW		3						3	
BR-12 (MS) 40	6/13/03	1346	G		GW		3						3	matrix spike
BR-12 (MSD) 40	6/13/03	1346	G		GW		3						3	matrix spike dupl.
QATB02 41	6/13/03	000	G		GW		3						1	
QARB02 42	6/13/03	1442	G		GW		3						3	
QAFB02 43	6/13/03	1451	G		GW		3						3	
BR-13 94044	6/13/03	1543	G		GW		3						2	

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 2.5
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: Fax COC to Knoxville Office Fax # (865) 865-3172

	Date:	Time:	Received By:	Date:	Time:
Relinquished By: Janna Peeler	6/16/03	1230	Received By: M. Ely	6/17/03	800
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

(36028

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: [signature]

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan Janna Peevler
Invoice To: Rick Ryan
Quote #: 121102-217-199 PO#: MEC03030015

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

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

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOCs (8260)	REMARKS
W-6 94045	6/13/03	1605	G		GW		3						3	
BR-15 46	6/14/03	0930	G		GW		3						3	
BR-10 47	6/14/03	1025	G		GW		3						3	
OB-04 48	6/14/03	1118	G		GW		3						3	
BR-04 49	6/14/03	1330	G		GW		3						3	
BR-05 50	6/14/03	1430	G		GW		3						3	
BR-09 51	6/14/03	1549	G		GW		3						3	
OB-08 52	6/15/03	908	G		GW		3						3	
BR-11 53	6/15/03	1014	G		GW		3						3	
OB-05 94054	6/15/03	1038	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: Fax COC to

	Date	Time	Received By	Date	Time
Relinquished By: [signature]	6/16/03	1230	Received By: MB	Date: 6/17/03	Time: 8:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Knoxville Office
Fax # (865) [illegible]

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6/24/03

MACTEC ENGINEERNIG AND CONSULT 4997

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

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: FORMER TAYLOR INSTRUMENT
Project Number: 51870.9.
Laboratory Project Number: 336028.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980.

Sample Identification	Lab Number	Collection Date
BR-02	03-A94037	6/13/03
BR-07	03-A94038	6/13/03
BR-07 DUP	03-A94039	6/13/03
BR-12	03-A94040	6/13/03
QATB02	03-A94041	6/13/03
QARB02	03-A94042	6/13/03
QAFB02	03-A94043	6/13/03
BR-13	03-A94044	6/13/03
W-6	03-A94045	6/13/03
BR-15	03-A94046	6/13/03
BR-10	03-A94047	6/13/03
OB-04	03-A94048	6/13/03
BR-04	03-A94049	6/13/03
BR-05	03-A94050	6/13/03
BR-09	03-A94051	6/13/03
OB-08	03-A94052	6/13/03
BR-11	03-A94053	6/13/03
OB-05	03-A94054	6/13/03
BR-11	03-A94055	6/13/03
OB-05	03-A94056	6/13/03

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: Roxanne Connor Report Date: 6/24/03

Laboratory Certification Number: 11342

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94037
Sample ID: BR-02
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 9:42
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/21/03	9:34	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/21/03	9:34	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/21/03	9:34	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/21/03	9:34	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94037
Sample ID: BR-02
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	0.00330	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,1-Dichloroethene	0.122	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
cis-1,2-Dichloroethene	17.9	mg/l	0.100	100	6/22/03	4:25	B.Herford	8260B	5865
trans-1,2-Dichloroethene	0.120	mg/l	0.0100	10	6/22/03	3:54	B.Herford	8260B	5853
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/21/03	9:34	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/21/03	9:34	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/21/03	9:34	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/21/03	9:34	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/21/03	9:34	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/21/03	9:34	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Trichloroethene	0.710	mg/l	0.0100	10	6/22/03	3:54	B.Herford	8260B	5853
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/21/03	9:34	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Vinyl chloride	0.0681	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/21/03	9:34	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/21/03	9:34	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94037
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	6/21/03	9:34	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	106.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	93.	71. - 132.
VOA Surr, DBFM	99.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94038
Sample ID: BR-07
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 11:04
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/22/03	0:51	B.Herford	8260B	993
Benzene	0.0063	mg/l	0.0010	1	6/22/03	0:51	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/22/03	0:51	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/22/03	0:51	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94038
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	6/22/03	0:51	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
cis-1,2-Dichloroethene	0.0307	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
trans-1,2-Dichloroethene	0.0158	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/22/03	0:51	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/22/03	0:51	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/22/03	0:51	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/22/03	0:51	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/22/03	0:51	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/22/03	0:51	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Trichloroethene	0.00230	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/22/03	0:51	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Vinyl chloride	0.101	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/22/03	0:51	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/22/03	0:51	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94038
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	6/22/03	0:51	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 133.
VOA Surr Toluene-d8	99.	76. - 123.
VOA Surr, 4-BFB	95.	71. - 132.
VOA Surr, DBFM	99.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94039
Sample ID: BR-07 DUP
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 11:04
Date Received: 6/17/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/22/03	1:21	B.Herford	8260B	993
Benzene	0.0064	mg/l	0.0010	1	6/22/03	1:21	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/22/03	1:21	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/22/03	1:21	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94039
Sample ID: BR-07 DUP
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
cis-1,2-Dichloroethene	0.0319	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
trans-1,2-Dichloroethene	0.0160	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/22/03	1:21	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/22/03	1:21	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/22/03	1:21	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/22/03	1:21	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/22/03	1:21	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/22/03	1:21	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Trichloroethene	0.00220	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/22/03	1:21	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Vinyl chloride	0.0991	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/22/03	1:21	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94039
Sample ID: BR-07 DUP
Project: 51870.9

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	6/22/03	1:21	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	70. - 133.
VOA Surr Toluene-d8	100.	76. - 123.
VOA Surr, 4-BFB	95.	71. - 132.
VOA Surr, DBFM	101.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94040
Sample ID: BR-12
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 13:43
Date Received: 6/17/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/22/03	1:52	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/22/03	1:52	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/22/03	1:52	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/22/03	1:52	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94040
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	6/22/03	1:52	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
cis-1,2-Dichloroethene	0.0183	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/22/03	1:52	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/22/03	1:52	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/22/03	1:52	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/22/03	1:52	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/22/03	1:52	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/22/03	1:52	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Trichloroethene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/22/03	1:52	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Vinyl chloride	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/22/03	1:52	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/22/03	1:52	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94040
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	6/22/03	1:52	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	94.	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 ENGINEERNIG 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-A94041
Sample ID: QATB02
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected:
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/21/03	8:03	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/21/03	8:03	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/21/03	8:03	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/21/03	8:03	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94041
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	6/21/03	8:03	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/21/03	8:03	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/21/03	8:03	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/21/03	8:03	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/21/03	8:03	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/21/03	8:03	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/21/03	8:03	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Trichloroethene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/21/03	8:03	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Vinyl chloride	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/21/03	8:03	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/21/03	8:03	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94041
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	6/21/03	8:03	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	70. - 133.
VOA Surr Toluene-d8	98.	76. - 123.
VOA Surr, 4-BFB	93.	71. - 132.
VOA Surr, DBFM	97.	74. - 128.

LABORATORY COMMENTS:

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

[redacted] of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94042
Sample ID: QARB02
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 14:42
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/21/03	11:35	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/21/03	11:35	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/21/03	11:35	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Chloroform	0.00360	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/21/03	11:35	B.Herford	8260B	993
Dibromochloromethane	0.00300	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94042
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	6/21/03	11:35	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/21/03	11:35	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/21/03	11:35	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/21/03	11:35	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/21/03	11:35	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/21/03	11:35	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/21/03	11:35	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Trichloroethene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/21/03	11:35	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Vinyl chloride	ND	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/21/03	11:35	B.Herford	8260B	993
Bromodichloromethane	0.00230	mg/l	0.00100	1	6/21/03	11:35	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94042
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	6/21/03	11:35	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	70. - 133.
VOA Surr Toluene-d8	99.	76. - 123.
VOA Surr, 4-BFB	92.	71. - 132.
VOA Surr, DBFM	99.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94043
Sample ID: QAFB02
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 14:51
Date Received: 6/17/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/21/03	12:06	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/21/03	12:06	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/21/03	12:06	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Chloroform	0.00420	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/21/03	12:06	B.Herford	8260B	993
Dibromochloromethane	0.00310	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94043
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	6/21/03	12:06	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/21/03	12:06	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/21/03	12:06	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/21/03	12:06	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/21/03	12:06	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/21/03	12:06	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/21/03	12:06	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Trichloroethene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/21/03	12:06	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Vinyl chloride	ND	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/21/03	12:06	B.Herford	8260B	993
Bromodichloromethane	0.00260	mg/l	0.00100	1	6/21/03	12:06	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94043
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	6/21/03	12:06	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	70. - 133.
VOA Surr Toluene-d8	98.	76. - 123.
VOA Surr, 4-BFB	93.	71. - 132.
VOA Surr, DBFM	100.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94044
Sample ID: BR-13
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 15:43
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/21/03	12:36	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/21/03	12:36	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/21/03	12:36	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/21/03	12:36	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94044
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	6/21/03	12:36	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,1-Dichloroethene	0.00100	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
cis-1,2-Dichloroethene	0.0810	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
trans-1,2-Dichloroethene	0.00230	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/21/03	12:36	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/21/03	12:36	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/21/03	12:36	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/21/03	12:36	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/21/03	12:36	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/21/03	12:36	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Trichloroethene	0.0612	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/21/03	12:36	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Vinyl chloride	0.00220	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/21/03	12:36	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/21/03	12:36	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94044
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	6/21/03	12:36	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	70. - 133.
VOA Surr Toluene-d8	98.	76. - 123.
VOA Surr, 4-BFB	92.	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 ENGINEERNIG 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-A94045
Sample ID: W-6
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 16:05
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/21/03	13:06	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/21/03	13:06	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/21/03	13:06	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/21/03	13:06	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993

ple report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94045
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	6/21/03	13:06	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
cis-1,2-Dichloroethene	0.00970	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
trans-1,2-Dichloroethene	0.00140	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/21/03	13:06	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/21/03	13:06	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/21/03	13:06	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/21/03	13:06	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/21/03	13:06	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/21/03	13:06	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Trichloroethene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/21/03	13:06	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Vinyl chloride	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/21/03	13:06	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/21/03	13:06	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94045
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	6/21/03	13:06	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	91.	71. - 132.
VOA Surr, DBFM	101.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94046
Sample ID: BR-15
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 9:30
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/21/03	13:37	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/21/03	13:37	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/21/03	13:37	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/21/03	13:37	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94046
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	6/21/03	13:37	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,1-Dichloroethene	0.00840	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
cis-1,2-Dichloroethene	1.39	mg/l	0.0500	50	6/22/03	4:55	B.Herford	8260B	5853
trans-1,2-Dichloroethene	0.0248	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/21/03	13:37	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/21/03	13:37	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/21/03	13:37	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/21/03	13:37	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/21/03	13:37	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/21/03	13:37	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Trichloroethene	1.18	mg/l	0.0500	50	6/22/03	4:55	B.Herford	8260B	5853
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/21/03	13:37	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Vinyl chloride	0.00390	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/21/03	13:37	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/21/03	13:37	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94046
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	6/21/03	13:37	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 133.
VOA Surr Toluene-d8	98.	76. - 123.
VOA Surr, 4-BFB	93.	71. - 132.
VOA Surr, DBFM	101.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94047
Sample ID: BR-10
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 10:25
Date Received: 6/17/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/21/03	14:07	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/21/03	14:07	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/21/03	14:07	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/21/03	14:07	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993

ple report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94047
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	6/21/03	14:07	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,1-Dichloroethene	0.00320	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
cis-1,2-Dichloroethene	1.08	mg/l	0.0500	50	6/22/03	5:26	B.Herford	8260B	5853
trans-1,2-Dichloroethene	0.0617	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/21/03	14:07	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/21/03	14:07	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/21/03	14:07	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/21/03	14:07	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/21/03	14:07	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/21/03	14:07	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Trichloroethene	2.95	mg/l	0.0500	50	6/22/03	5:26	B.Herford	8260B	5853
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/21/03	14:07	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Vinyl chloride	0.00510	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/21/03	14:07	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/21/03	14:07	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94047
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	6/21/03	14:07	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	70. - 133.
VOA Surr Toluene-d8	98.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	101.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94048
Sample ID: OB-04
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 11:18
Date Received: 6/17/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/22/03	2:22	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/22/03	2:22	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/22/03	2:22	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/22/03	2:22	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94048
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	6/22/03	2:22	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
cis-1,2-Dichloroethene	0.00670	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/22/03	2:22	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/22/03	2:22	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/22/03	2:22	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/22/03	2:22	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/22/03	2:22	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/22/03	2:22	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Trichloroethene	0.0415	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/22/03	2:22	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Vinyl chloride	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/22/03	2:22	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/22/03	2:22	B.Herford	8260B	993

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ANALYTICAL REPORT

Laboratory Number: 03-A94048
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	6/22/03	2:22	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	110.	70. - 133.
VOA Surr Toluene-d8	99.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	103.	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.

[redacted] of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94049
Sample ID: BR-04
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 13:30
Date Received: 6/17/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/21/03	15:08	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/21/03	15:08	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/21/03	15:08	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/21/03	15:08	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94049
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	6/21/03	15:08	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,1-Dichloroethene	0.00360	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
cis-1,2-Dichloroethene	1.28	mg/l	0.0500	50	6/22/03	6:27	B.Herford	8260B	5865
trans-1,2-Dichloroethene	0.0195	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/21/03	15:08	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/21/03	15:08	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/21/03	15:08	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/21/03	15:08	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/21/03	15:08	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/21/03	15:08	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Trichloroethene	0.302	mg/l	0.00500	5	6/22/03	5:56	B.Herford	8260B	5853
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/21/03	15:08	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Vinyl chloride	0.00120	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/21/03	15:08	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/21/03	15:08	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94049
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	6/21/03	15:08	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	110.	70. - 133.
VOA Surr Toluene-d8	99.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	101.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94050
Sample ID: BR-05
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 1:43
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/22/03	2:53	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/22/03	2:53	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/22/03	2:53	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/22/03	2:53	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94050
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	6/22/03	2:53	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,1-Dichloroethene	0.00190	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
cis-1,2-Dichloroethene	0.216	mg/l	0.00500	5	6/22/03	3:23	B.Herford	8260B	5853
trans-1,2-Dichloroethene	0.0153	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/22/03	2:53	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/22/03	2:53	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/22/03	2:53	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/22/03	2:53	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/22/03	2:53	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/22/03	2:53	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Trichloroethene	0.0568	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/22/03	2:53	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Vinyl chloride	0.0387	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/22/03	2:53	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/22/03	2:53	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94050
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	6/22/03	2:53	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	106.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	93.	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 ENGINEERNIG 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-A94051
Sample ID: BR-09
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 15:49
Date Received: 6/17/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/22/03	7:58	B.Herford	8260B	993
Benzene	ND	mg/l	0.0010	1	6/22/03	7:58	B.Herford	8260B	993
Bromobenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Bromochloromethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Bromoform	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Bromomethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
2-Butanone	ND	mg/l	0.0250	1	6/22/03	7:58	B.Herford	8260B	993
n-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
sec-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
t-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Carbon disulfide	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Carbon tetrachloride	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Chlorobenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Chloroethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Chloroform	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Chloromethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
2-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
4-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/22/03	7:58	B.Herford	8260B	993
Dibromochloromethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Dibromomethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94051
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	6/22/03	7:58	B.Herford	8260B	993
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
cis-1,2-Dichloroethene	0.0149	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Ethylbenzene	ND	mg/l	0.0010	1	6/22/03	7:58	B.Herford	8260B	993
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
2-Hexanone	ND	mg/l	0.00500	1	6/22/03	7:58	B.Herford	8260B	993
Isopropylbenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/22/03	7:58	B.Herford	8260B	993
Methylene chloride	ND	mg/l	0.00250	1	6/22/03	7:58	B.Herford	8260B	993
Naphthalene	ND	mg/l	0.00500	1	6/22/03	7:58	B.Herford	8260B	993
n-Propylbenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Styrene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Tetrachloroethene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Toluene	ND	mg/l	0.0010	1	6/22/03	7:58	B.Herford	8260B	993
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Trichloroethene	0.0575	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/22/03	7:58	B.Herford	8260B	993
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Vinyl chloride	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993
Xylenes (Total)	ND	mg/l	0.0010	1	6/22/03	7:58	B.Herford	8260B	993
Bromodichloromethane	ND	mg/l	0.00100	1	6/22/03	7:58	B.Herford	8260B	993

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94051
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	6/22/03	7:58	B.Herford	8260B	993

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	109.	70. - 133.
VOA Surr Toluene-d8	99.	76. - 123.
VOA Surr, 4-BFB	95.	71. - 132.
VOA Surr, DBFM	100.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94052
Sample ID: OB-08
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 9:08
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/22/03	18:11	B.Herford	8260B	5617
Benzene	0.0015	mg/l	0.0010	1	6/22/03	18:11	B.Herford	8260B	5617
Bromobenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Bromochloromethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Bromoform	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Bromomethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
2-Butanone	ND	mg/l	0.0250	1	6/22/03	18:11	B.Herford	8260B	5617
n-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
sec-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
t-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Carbon disulfide	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Carbon tetrachloride	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Chlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Chloroethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Chloroform	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Chloromethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
2-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
4-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/22/03	18:11	B.Herford	8260B	5617
Dibromochloromethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Dibromomethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94052
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	6/22/03	18:11	B.Herford	8260B	5617
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
cis-1,2-Dichloroethene	0.0153	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
trans-1,2-Dichloroethene	0.00120	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Ethylbenzene	ND	mg/l	0.0010	1	6/22/03	18:11	B.Herford	8260B	5617
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
2-Hexanone	ND	mg/l	0.00500	1	6/22/03	18:11	B.Herford	8260B	5617
Isopropylbenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/22/03	18:11	B.Herford	8260B	5617
Methylene chloride	ND	mg/l	0.00250	1	6/22/03	18:11	B.Herford	8260B	5617
Naphthalene	ND	mg/l	0.00500	1	6/22/03	18:11	B.Herford	8260B	5617
n-Propylbenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Styrene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Tetrachloroethene	0.00390	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Toluene	ND	mg/l	0.0010	1	6/22/03	18:11	B.Herford	8260B	5617
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Trichloroethene	2.25	mg/l	0.100	100	6/24/03	15:36	B.Herford	8260B	7030
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/22/03	18:11	B.Herford	8260B	5617
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Vinyl chloride	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617
Xylenes (Total)	ND	mg/l	0.0010	1	6/22/03	18:11	B.Herford	8260B	5617
Bromodichloromethane	ND	mg/l	0.00100	1	6/22/03	18:11	B.Herford	8260B	5617

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94052
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	6/22/03	18:11	B.Herford	8260B	5617

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	93.	70. - 133.
VOA Surr Toluene-d8	102.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	104.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94053
Sample ID: BR-11
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 10:14
Date Received: 6/17/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/22/03	18:42	B.Herford	8260B	5617
Benzene	0.0015	mg/l	0.0010	1	6/22/03	18:42	B.Herford	8260B	5617
Bromobenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Bromochloromethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Bromoform	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Bromomethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
2-Butanone	ND	mg/l	0.0250	1	6/22/03	18:42	B.Herford	8260B	5617
n-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
sec-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
t-Butylbenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Carbon disulfide	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Carbon tetrachloride	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Chlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Chloroethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Chloroform	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Chloromethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
2-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
4-Chlorotoluene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/22/03	18:42	B.Herford	8260B	5617
Dibromochloromethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Dibromomethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94053
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	6/22/03	18:42	B.Herford	8260B	5617
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,1-Dichloroethene	0.00300	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
cis-1,2-Dichloroethene	0.313	mg/l	0.0100	10	6/24/03	14:35	B.Herford	8260B	7030
trans-1,2-Dichloroethene	0.0526	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Ethylbenzene	ND	mg/l	0.0010	1	6/22/03	18:42	B.Herford	8260B	5617
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
2-Hexanone	ND	mg/l	0.00500	1	6/22/03	18:42	B.Herford	8260B	5617
Isopropylbenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/22/03	18:42	B.Herford	8260B	5617
Methylene chloride	ND	mg/l	0.00250	1	6/22/03	18:42	B.Herford	8260B	5617
Naphthalene	ND	mg/l	0.00500	1	6/22/03	18:42	B.Herford	8260B	5617
n-Propylbenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Styrene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Tetrachloroethene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Toluene	ND	mg/l	0.0010	1	6/22/03	18:42	B.Herford	8260B	5617
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Trichloroethene	5.89	mg/l	0.100	100	6/24/03	15:05	B.Herford	8260B	7038
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/22/03	18:42	B.Herford	8260B	5617
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Vinyl chloride	0.0238	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617
Xylenes (Total)	ND	mg/l	0.0010	1	6/22/03	18:42	B.Herford	8260B	5617
Bromodichloromethane	ND	mg/l	0.00100	1	6/22/03	18:42	B.Herford	8260B	5617

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94053
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	6/22/03	18:42	B.Herford	8260B	5617

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	92.	70. - 133.
VOA Surr Toluene-d8	104.	76. - 123.
VOA Surr, 4-BFB	100.	71. - 132.
VOA Surr, DBFM	103.	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.

[redacted] of Sample Report.

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ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94054
Sample ID: OB-05
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 10:38
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	6/24/03	12:03	B.Herford	8260B	6657
Benzene	ND	mg/l	0.0010	1	6/24/03	12:03	B.Herford	8260B	6657
Bromobenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Bromochloromethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Bromoform	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Bromomethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
2-Butanone	ND	mg/l	0.0250	1	6/24/03	12:03	B.Herford	8260B	6657
n-Butylbenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
sec-Butylbenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
t-Butylbenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Carbon disulfide	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Carbon tetrachloride	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Chlorobenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Chloroethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Chloroform	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Chloromethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
2-Chlorotoluene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
4-Chlorotoluene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	6/24/03	12:03	B.Herford	8260B	6657
Dibromochloromethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,2-Dibromoethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Dibromomethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Dichlorodifluoromethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A94054
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	6/24/03	12:03	B.Herford	8260B	6657
1,2-Dichloroethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,1-Dichloroethene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
cis-1,2-Dichloroethene	0.00250	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,2-Dichloropropane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,3-Dichloropropane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
2,2-Dichloropropane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,1-Dichloropropene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Ethylbenzene	ND	mg/l	0.0010	1	6/24/03	12:03	B.Herford	8260B	6657
Hexachlorobutadiene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
2-Hexanone	ND	mg/l	0.00500	1	6/24/03	12:03	B.Herford	8260B	6657
Isopropylbenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
4-Isopropyltoluene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	6/24/03	12:03	B.Herford	8260B	6657
Methylene chloride	ND	mg/l	0.00250	1	6/24/03	12:03	B.Herford	8260B	6657
Naphthalene	ND	mg/l	0.00500	1	6/24/03	12:03	B.Herford	8260B	6657
n-Propylbenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Styrene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Tetrachloroethene	0.00210	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Toluene	ND	mg/l	0.0010	1	6/24/03	12:03	B.Herford	8260B	6657
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Trichloroethene	0.0972	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/24/03	12:03	B.Herford	8260B	6657
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Vinyl chloride	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657
Xylenes (Total)	ND	mg/l	0.0010	1	6/24/03	12:03	B.Herford	8260B	6657
Bromodichloromethane	ND	mg/l	0.00100	1	6/24/03	12:03	B.Herford	8260B	6657

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

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

ANALYTICAL REPORT

Laboratory Number: 03-A94054
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	6/24/03	12:03	B.Herford	8260B	6657

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	92.	70. - 133.
VOA Surr Toluene-d8	104.	76. - 123.
VOA Surr, 4-BFB	100.	71. - 132.
VOA Surr, DBFM	101.	74. - 128.

LABORATORY COMMENTS:

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

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

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

ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94055
Sample ID: BR-11
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 9:42
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	MDL	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

LABORATORY COMMENTS:

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

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

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

ANALYTICAL REPORT

MACTEC ENGINEERNIG 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-A94056
Sample ID: OB-05
Sample Type: Ground water
Site ID:

Date Collected: 6/13/03
Time Collected: 9:42
Date Received: 6/17/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	MDL	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

LABORATORY COMMENTS:

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

End of Sample Report.

APPENDIX C

CHAIN-OF-CUSTODY FORMS

35740

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

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

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester
State: NY
Report To: Rick Ryan Janna Peevler
Invoice To: Rick Ryan
Quote #: 121102.217-199
PO#: MEC03030015

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

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

SAMPLE ID		Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other)	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	VOCs (8260)										REMARKS
QARBØ1	92687	6/10/03	1136	G		GW		3						3										rinse blank
QAFBØ1	88	6/10/03	1140	G		GW		3						3										field blank
QATBØ1	89	6/10/03	006	G		GW		1						1										trip blank
TW-Ø4	90	6/10/03	1352	G		GW		3						3										
TW-17	91	6/10/03	1457	G		GW		3						3										
TW-20	92	6/10/03	1538	G		GW		3						3										
TW-Ø7	93	6/10/03	1625	G		GW		3						3										
TW-Ø9	94	6/11/03	1003	G		GW		3						3										
OB-Ø9	95	6/11/03	1015	G		GW		3						3										
OB-Ø7	92696	6/11/03	1305	G		GW		3						3										

Special Instructions:

Relinquished By	Date	Time	Received By	Date	Time
Janna Peevler	6/12/03	1700	[signature]	6/13/03	8:10

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

Fax COC to Knoxville Office Fax # (865) 53[illegible]

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

35740

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 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 #: 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: HNO3	HCl	NaOH	H2SO4	Methanol	None	Other (Specify)	Analyze For: VOCs (8260)	QC Deliverables	REMARKS
OB-07 (MS) 92696	6/11/03	1308	G		GW		3						3		matrix spike
OB-07 (MSD) 96	6/11/03	1308	G		GW		3						3		matrix spike dup.
W-5 97	6/11/03	1350	G		GW		3						3		
W-5 (dup) 98	6/11/03	1352	G		GW		3						3		
OB-06 99	6/11/03	1524	G		GW		3						3		
BR-08 00	6/12/03	922	G		GW		3						3		
BR-17 01	6/12/03	1020	G		GW		3						3		
BR-03 02	6/12/03	1314	G		GW		3						3		
BR-14 03	6/12/03	1440	G		GW		3						3		
BR-01 92704	6/12/03	1512	G		GW		3						3		

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

Special Instructions:

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

	Date	Time		Date	Time
Relinquished By: Janna Peeler	6/12/03	1700	Received By: MB	6/13/03	8:10
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Fax #

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

136028

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: 865.531.8276
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

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-02 94037	6/13/03	942	G		GW		3						3		
BR-07 38	6/13/03	1104	G		GW		3						3		
BR-07 (dup) 39	6/13/03	1104	G		GW		3						3		
BR-12 40	6/13/03	1343	G		GW		3						3		
BR-12 (MS) 40	6/13/03	1346	G		GW		3						3		matrix spike
BR-12 (MSD) 40	6/13/03	1346	G		GW		3						3		matrix spike dupl.
QATB02 41	6/13/03	000	G		GW		1						1		
QARB02 42	6/13/03	1442	G		GW		3						3		
QAFB02 43	6/13/03	1457	G		GW		3						3		
BR-13 94044	6/13/03	1543	G		GW		3						2		

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

Special Instructions:

	Date	Time		Date	Time
Relinquished By:	6/16/03	1230	Received By:	6/17/03	800
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 2.5
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: Fax COC to Knoxville Office
Fax # (865) 682-7[illegible]

TestAmerica INCORPORATED

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

36028

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 Peerler
Sampler Signature:

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan Janna Peerler
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
W-6 94045	6/13/03	1605	G		GW		3						3	
BR-15 46	6/14/03	930	G		GW		3						3	
BR-10 47	6/14/03	1025	G		GW		3						3	
OB-04 48	6/14/03	1118	G		GW		3						3	
BR-04 49	6/14/03	1330	G		GW		3						3	
BR-05 50	6/14/03	1430	G		GW		3						3	
BR-09 51	6/14/03	1549	G		GW		3						3	
OB-08 52	6/15/03	908	G		GW		3						3	
BR-11 53	6/15/03	1014	G		GW		3						3	
OB-05 94054	6/15/03	1038	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: FAX 2001

	Date	Time		Date	Time
Relinquished By:	6/16/03	1230	Received By: MB	6/17/03	8:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Fax # 782

APPENDIX D

FIELD DATA RECORDS

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6 | 10 | 03

SITE ID: QARBØ1

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1132 END 1138

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 rebar @ 1136

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/10/03

SITE ID: QAFB01

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1138 END 1144

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: John Lesko

NOTES

field blank collected @ 1140

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/10/03

SITE ID: QATB01

SITE TYPE: Monitor Well

SITE ACTIVITY: START ____ 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	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

NOTES

trip blank time listed @ 0:00

SIGNATURE: [signature]

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/13/03

SITE ID: QATB02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 14:30 END 14:35

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 2nd Qtr Sampling Event

DATE: 6/13/03

SITE ID: QARB02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1435 END 1445

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

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

WELL INTEGRITY:

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

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

PURGE RATE: _____ L/MIN

BEGIN PURGING: _____

END PURGING: _____

TOTAL VOL. PURGED: _____ GAL

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

PURGE DATA

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

EQUIPMENT DOCUMENTATION

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

PURGE OBSERVATIONS

SIGNATURE: _____

NOTES

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Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments; 2003 2nd Qtr Sampling Event

DATE: 6/13/03

SITE ID: QAFB02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1445 END 1455

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

field blank collected @ 14:51

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/14/03

SITE ID: OB-04

SITE TYPE: Monitor Well

SITE ACTIVITY: START 043 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	5.82 FT	WELL DEPTH	16.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	IN
FINAL DEPTH TO WATER	6.40 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.58 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			
CASING			
LOCKED			
COLLAR			

PURGE RATE: 0.11 L/MIN

BEGIN PURGING: 1046

END PURGING: 1121

TOTAL VOL. PURGED: 1.10 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
1058	1.50	8.11	0.41	24.5	9.45	8.46	15.70	86	125 mL/min
1105	2.20	8.12	0.41	25.5	9.31	8.33	15.84	85	100 mL/min
1110	2.76	8.12	0.41	27.4	9.23	8.21	16.03	88	≈111 mL/min
1116	3.32	8.11	0.41	27.4	8.53	8.11	16.11	90	≈111 mL/min
1118	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

1058 DTW = 6.28

1105 DTW = 6.36

1110 DTW = 6.41

1115 DTW = 6.48

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/14/03

SITE ID: OB-05

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1435 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: 14.22 FT

WELL DEPTH: 1739 JP / ~~16.45~~ 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: 1437

END PURGING:

TOTAL VOL. PURGED: GAL

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

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1444	0.74	7.59	1.55	65.3	10.34 / 8.24	14.58	33	≈105 mL/min
1449	1.30	7.60	1.52	69.6	10.28 / 8.14	14.48	1	≈111 mL/min
1500	purged dry; will attempt to sample later							
6/15 dtw =	13.71							
1038	sample collected 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

1444 DTW = 14.62

1449 DTW = 14.97

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/11/03

SITE ID: OB-06

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1458 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	7.83 FT	WELL DEPTH	16.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	8.59 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY: CAP	YES X NO — N/A —
DRAWDOWN	0.76 FT	DRAWDOWN VOLUME	0.12 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
0.15 L/MIN	1500	1527	1.05 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
1506	1.60	8.18	0.32	17.9	10.5 8.72	14.98	66	≈167 mL/min
1512	1.75	8.14	0.31	17.3	9.91 8.44	15.26	69	≈125 mL/min
1518	2.61	8.15	0.32	17.7	10.29 8.29	15.27	40	≈142 mL/min
1522	3.28	8.13	0.32	17.5	10.07 8.26	15.17	46	≈167 mL/min
1524	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: Joshua Peeler

NOTES

1506 DTW = 8.30

1512 DTW = 8.46

1518 DTW = 8.58

1522 DTW = 8.65

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/11/03

SITE ID: OB-07

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1240 END 1318

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	6.28 FT	WELL DEPTH	20.01 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	6.87 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.59 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: 0.17 L/MIN

BEGIN PURGING: 1244

END PURGING: 1311

TOTAL VOL. PURGED: 1.17 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
1250	1.00	7.86	1.43	25.6	0.33 8.93	13.78	91	≈167 mL/min
1254	1.67	7.85	1.43	31.7	0.09 8.13	13.62	60	≈169 mL/min
1258	2.40	7.85	1.42	29.1	0.00 7.52	13.83	12	≈181 ml/min
1302	3.02	7.85	1.42	28.8	0.00 7.33	13.97	-5	≈153 mL/min
1305	collect samples for 8260							
1308	collect OB-07 (MS) & OB-07 (MSD)							

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

1250 DTW = 6.82

1254 DTW = 6.99

1258 DTW = 7.00

1302 DTW = 6.95

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/15/03

SITE ID: OB-08

SITE TYPE: Monitor Well

SITE ACTIVITY: START 834 END 916

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: 12.26 FT

WELL DEPTH: 24.85 FT

PID AMBIENT AIR: ______ PPM

WELL DIAMETER: ______ IN

FINAL DEPTH TO WATER: 13.36 FT

SCREEN LENGTH: ______ FT

PID WELL MOUTH: ______ PPM

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

DRAWDOWN: 1.10 FT

DRAWDOWN VOLUME: 0.18 GAL

PRODUCT THICKNESS: ______ FT

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

PURGE RATE: 0.11 L/MIN

BEGIN PURGING: 834

END PURGING: 912

TOTAL VOL. PURGED: 1.03 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
847	0.91	7.39	0.75	27.1	1.99	4.41	14.55	41	≈90 mL/min
850	1.29	7.39	0.74	25.0	1.88	4.55	14.55	48	≈125 mL/min
856	1.96	7.42	0.75	25.6	4.90	4.33	14.58	24	≈111 mL/min
901	2.59	7.42	0.74	29.1	4.49	4.70	14.45	41	≈125 mL/min
906	3.15	7.44	0.73	30.3	4.55	4.67	14.45	36	≈111 mL/min
908	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

NOTES

847 DTW = 13.05
850 DTW = 13.16
856 DTW = 13.27
901 DTW = 13.40
906 DTW = 13.48

SIGNATURE: [signature]

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/11/03

SITE ID: OB-09

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1020 END 1055

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	23.25 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	9.49 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.52 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	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.18 L/MIN	1025	1047	1.02 GAL

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

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1031	1.09	7.32	0.84	14.0	7.28	1.87	13.73	75	≈181 mL/min
1034	1.76	7.33	0.83	15.5	8.28	1.37	13.68	61	≈166 mL/min
1038	2.56	7.33	0.84	15.0	8.30	1.31	13.64	47	≈200 mL/min
1042	3.56	7.33	0.84	20.0	7.91	1.23	13.65	41	≈166 mL/min
1045	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

1031 DTW = 9.48

1034 DTW = 9.61

1038 DTW = 9.66

1042 DTW = 9.71

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/10/03

SITE ID: TW-04

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1315 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	9.99 FT	WELL DEPTH	20.72 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	11.34 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	1.35 FT	DRAWDOWN VOLUME	0.22 GAL	PRODUCT THICKNESS	FT		

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

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

PURGE RATE: 0.11 L/MIN

BEGIN PURGING: 1323

END PURGING: 1356

TOTAL VOL. PURGED: 0.95 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1333	1.18	7.24	1.00	27.1	5.75	4.35	13.65	103	=117 mL/min
1339	1.85	7.27	1.00	32.3	5.63	3.72	13.53	92	=111 mL/min
1344	2.41	7.30	0.99	35.7	5.50	3.09	13.49	82	=111 mL/min
1348	2.83	7.30	0.99	37.5	5.34	2.11	13.66	79	=105 mL/min
1352	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

1333 DTW=10.89
1339 DTW = 11.24
1343 DTW = 11.40
1348 DTW = 11.50

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6 | 10 | 03

SITE ID: TW-07

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1358 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	8.82 FT	WELL DEPTH	20.72 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	IN
FINAL DEPTH TO WATER	9.14 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.32 FT	DRAWDOWN VOLUME	0.05 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: 0.13 L/MIN

BEGIN PURGING: 1603

END PURGING: 1630

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
1610	1.00	6.86	1.75	18.0	5.58	2.45	12.71	145	≈142 mL/min
1615	1.67	6.84	1.76	17.5	4.87	2.33	12.57	132	≈133 mL/min
1619	2.24	6.82	1.76	15.1	4.63	2.42	12.41	124	≈142 mL/min
1623	2.71	6.82	1.76	16.9	4.57	2.43	12.48	120	≈117 mL/min
1625	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

1610 DTW = 9.90

1615 DTW = 9.13

1619 DTW = 9.20

1623 DTW = 9.28

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/11/03

SITE ID: TW-09

SITE TYPE: Monitor Well

SITE ACTIVITY: START 935 END 1012

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: 7.38 FT

WELL DEPTH: 17.7 FT

PID AMBIENT AIR: _____ PPM

WELL DIAMETER: 2 IN

FINAL DEPTH TO WATER: 7.45 FT

SCREEN LENGTH: _____ FT

PID WELL MOUTH: _____ PPM

WELL INTEGRITY:

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

DRAWDOWN: 0.07 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))

PURGE RATE: 0.14 L/MIN

BEGIN PURGING: 940

END PURGING: 1005

TOTAL VOL. PURGED: 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
946	1.20	7.03	0.72	8.6	6.50	3.02	14.27	255	≈200 mL/min
952	1.80	7.06	0.72	7.5	6.68	2.89	14.20	167	≈100 mL/min
957	2.33	7.06	0.73	6.8	6.50	2.80	14.11	154	≈133 mL/min
1001	2.90	7.06	0.73	6.5	6.37	2.19	13.92	149	≈142 mL/min
1003	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 = 7.49

952 DTW = 7.49

957 DTW = 7.50

1001 DTW = 7.51

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/10/03

SITE ID: TW-17

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1425 END 1508

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	7.40 FT	WELL DEPTH	17.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	7.55 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.15 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: 0.13 L/MIN

BEGIN PURGING: 1432

END PURGING: 1500

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
1441	1.20	7.31	0.66	13.7	6.08	7.88	13.15	115	≈133 mL/min
1446	1.91	7.30	0.66	13.3	5.08	7.85	13.25	99	≈142 mL/min
1450	2.54	7.30	0.67	13.6	6.75	7.71	13.00	99	≈125 mL/min
1454	3.17	7.30	0.67	13.9	6.05	7.76	12.86	102	≈125 mL/min
1457	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

1441 DTW = 7.72
1446 DTW = 7.76
1450 DTW = 7.73
1454 DTW = 7.78

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 2nd Qtr Sampling Event

DATE: 6/10/03

SITE ID: TW-20

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1512 END 1550

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	11.83 FT	WELL DEPTH	17.22 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	IN
FINAL DEPTH TO WATER	12.99 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	1.16 FT	DRAWDOWN VOLUME	0.19 GAL	PRODUCT THICKNESS	FT		

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

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

PURGE RATE: 0.12 L/MIN

BEGIN PURGING: 1514

END PURGING: 1541

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
1521	1.00	7.33	0.85	13.9	1.10	3.18	12.41	78	≈142 mL/min
1525	1.50	7.30	0.84	18.1	1.56	3.51	12.50	73	≈125 mL/min
1530	2.06	7.31	0.83	19.5	2.04	3.68	12.28	69	≈111 mL/min
1535	2.62	7.31	0.80	20.6	2.38	3.16	12.27	70	≈111 mL/min
1538	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

1521 DTW = 11.94
1525 DTW = 11.99
1530 DTW = 12.00
1535 DTW = 12.50

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/11/03

SITE ID: W-5

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1323 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	6.30 FT	WELL DEPTH	21.8 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	8.75 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	2.45 FT	DRAWDOWN VOLUME	0.39 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
0.15 L/MIN	1327	1356	1.11 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
1335	1.14	7.19	1.13	14.0	0.36	2.25	13.57	-96	≈142 mL/min
1339	1.81	7.19	1.13	12.3	0.14	2.47	13.39	-98	≈167 mL/min
1344	2.52	7.18	1.12	11.7	0.33	3.11	13.96	-98	≈142 mL/min
1348	3.09	7.18	1.12	11.9	0.27	3.45	14.18	-96	≈142 mL/min
1350	collect sample for 8260								
1352	collect W-5 (dup)								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [x] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] OTHER _____

TYPE OF TUBING
- [ ] TEFLON OR TEFLON LINED
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER _____

TYPE OF PUMP MATERIAL
- [ ] POLYVINYL CHLORIDE
- [ ] STAINLESS STEEL
- [ ] OTHER _____

TYPE OF BLADDER MATERIAL (if applicable)
- [ ] TEFLON
- [ ] OTHER _____

PURGE OBSERVATIONS

SIGNATURE: [signature]

NOTES

1335 DTW = 7.70

1339 DTW = 8.20

1344 DTW = 8.57

1348 DTW = 8.72

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/11/03

SITE ID: W-C

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1412 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: 6.22 FT

WELL DEPTH: 11.30 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: 2 IN

FINAL DEPTH TO WATER: FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

DRAWDOWN: FT

DRAWDOWN VOLUME: GAL

PRODUCT THICKNESS: FT

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

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

PURGE RATE: L/MIN

BEGIN PURGING: 1416

END PURGING:

TOTAL VOL. PURGED: 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
1424	1.14	12.01	2.39	13.8	7.01 | 8.35	15.45	-1	≈ 142 mL/min
1428	1.81	12.00	2.39	13.4	6.48 | 8.57	15.69	-4	≈ 167 mL/min
1430	cannot minimize ~~flow~~ drawdown ; will purge & wait for recharge							
6/12 9.56'	btor							
6/13 9.43'	btor ; will sample							
1605	sample collected 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

1424 DTW = 8.10

1428 DTW = 9.10

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/12/03

SITE ID: BR-01

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1505 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: 18.07 FT

WELL DEPTH: 38.60 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: 4 IN

FINAL DEPTH TO WATER: 18.09 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: 0.08 L/MIN

BEGIN PURGING: 1510

END PURGING: 1546

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
1521	1.00	7.18	0.91	31.7	6.28	0.27	13.08	-123	≈90 mL/min
1527	1.50	7.18	0.91	39.4	4.44	0.28	13.15	-127	≈83 mL/min
1534	2.08	7.18	0.91	39.0	3.80	0.23	13.28	-130	≈83 mL/min
1540	2.54	7.18	0.91	26.5	2.33	0.22	13.16	-131	≈76 mL/min
1542	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

1521 DTW = 18.10
1527 DTW = 18.09
1534 DTW = 18.07
1540 DTW = 18.08

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/13/02

SITE ID: BR-02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 838 END 955

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	23.12 FT	WELL DEPTH	42.75 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	23.28 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: 0.07 L/MIN

BEGIN PURGING: ~~857~~ 900 SP

END PURGING: 946

TOTAL VOL. PURGED: 0.78 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba drawdown II

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
913	1.00	7.04	1.90	58.4	0.00 / 0.75	16.45	-190	≈77 mL/min
921	1.50	7.04	1.89	52.4	0.00 / 1.03	16.75	-198	≈63 mL/min
930	2.06	7.04	1.90	18.0	0.00 / 0.65	16.87	-205	≈63 mL/min
939	2.60	7.05	1.91	52.8	0.00 / 1.44	16.95	-210	≈58 mL/min
942	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: [signature]

NOTES

913 DTW = 23.25

921 DTW = 23.26

930 DTW = 23.28

939 DTW = 23.27

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/12/03

SITE ID: BR-03

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1235 END 1320

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	10.52 FT	WELL DEPTH	42.2 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	2.4 IN
FINAL DEPTH TO WATER	11.21 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: 0.09 L/MIN

BEGIN PURGING: 1245

END PURGING: 1320

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
1253	1.07	8.00	1.38	55.1	0.07	0.75	12.55	-255	≈133 mL/min
1258	1.52	7.99	1.37	99.4	0.00	0.54	12.74	-256	≈90 mL/min
1305	2.16	7.99	1.37	93.3	0.00	0.44	12.72	-257	≈90 mL/min
1312	2.66	7.99	1.39	58.0	0.60	0.41	12.45	-257	≈71 mL/min
1314	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: [signature]

NOTES

1253 DTW = 10.87

1258 DTW = 11.03

1305 DTW = 11.14

1312 DTW = 11.26

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/14/03

SITE ID: BR-04

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1245 END 1340

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 21.32 FT

WELL DEPTH: 40.8 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: 4 IN

FINAL DEPTH TO WATER: 21.38 FT

SCREEN LENGTH: FT

PID WELL MOUTH: PPM

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

DRAWDOWN: — FT

DRAWDOWN VOLUME: — GAL

PRODUCT THICKNESS: FT

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

PURGE RATE: 0.07 L/MIN

BEGIN PURGING: 1250

END PURGING: 1334

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
1304	1.00	7.83	0.55	43.8	1.52	0.14	16.31	-226	≈ 71 mL/min
1311	1.48	7.78	0.55	34.0	0.99	0.12	16.31	-232	≈ 69 mL/min
1320	2.06	7.73	0.56	36.4	0.72	0.11	16.33	-232	≈ 65 mL/min
1328	2.59	7.67	0.60	33.0	0.49	0.11	16.40	-232	≈ 67 mL/min
1330	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

1304 DTW = 21.31

1311 DTW = 21.35

1320 DTW = 21.32

1328 DTW = 21.30

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/17/03

SITE ID: BZ-05

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1343 END 1434

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	20.80 FT	WELL DEPTH	50.15 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	20.80 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: 0.04 L/MIN

BEGIN PURGING: 1347

END PURGING: 1433

TOTAL VOL. PURGED: 0.91 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1358	0.99	8.58	0.24	31.6	6.66	0.14	17.29	-5	≈71 mL/min
1414	1.41	8.60	0.24	23.3	6.14	0.17	17.49	-47	≈38 mL/min
1420	1.96	8.62	0.24	20.3	5.86	0.21	17.88	-97	≈90 mL/min
1427	2.57	8.62	0.24	18.5	5.71	0.12	18.13	-99	≈87 mL/min
1430	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

1359 DTW = 20.80
1414 DTW = 20.83
1420 DTW = 20.82
1427 DTW = 20.82

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/13/03

SITE ID: BL-07

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1010 END 1120

JOB NUMBER: 51670.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER	24.38 FT	WELL DEPTH	53.90 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	24.40 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY: CAP	YES X NO — N/A —
DRAWDOWN	0.02 FT	DRAWDOWN VOLUME	0.01 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: 0.06 L/MIN BEGIN PURGING: 1016 END PURGING: 1114 TOTAL VOL. PURGED: 0.84 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
1033	0.92	7.13	4.54	9.7	2.07	0.81	17.97	-135	≈54 mL/min
1043	1.46	7.16	4.89	25.0	1.29	1.08	18.01	-134	≈54 mL/min
1053	2.05	7.16	4.92	26.0	0.85	1.19	17.55	-132	≈58 mL/min
1101	2.52	9.17	4.92	30.9	0.79	1.14	17.43	-131	≈58 mL/min
1104	collect samples for BL-07 & BL-07 (dup)								

EQUIPMENT DOCUMENTATION

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

PURGE OBSERVATIONS

SIGNATURE:

NOTES

1033 DTW 24.39

1043 DTW 24.39

1053 DTW 24.40

1101 DTW = 24.40

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/12/03

SITE ID: BR-08

SITE TYPE: Monitor Well

SITE ACTIVITY: START 834 END 932

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER ____

PROTECTIVE CASING STICKUP (FROM GROUND): ____ FT

PROTECTIVE CASING / WELL DIFFERENCE: ____ FT

INITIAL DEPTH TO WATER: 21.70 FT

WELL DEPTH: 74.55 FT

PID AMBIENT AIR: ____ PPM

WELL DIAMETER: 4 IN

FINAL DEPTH TO WATER: 22.90 FT

SCREEN LENGTH: ____ FT

PID WELL MOUTH: ____ PPM

WELL INTEGRITY:

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

DRAWDOWN: 0.70 FT

DRAWDOWN VOLUME: 0.46 GAL

PRODUCT THICKNESS: ____ FT

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

PURGE RATE: 0.06 L/MIN

BEGIN PURGING: 837

END PURGING: 928

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
~~852~~	1.00	11.23	1.31	20.5	~~1.88~~		15.45	-235	≈67 mL/min
~~900~~					1.88	0.56			
900	1.53	11.23	1.32	10.3	1.57	0.65	15.58	-247	≈67 mL/min
909	2.09	11.23	1.32	27.8	0.99	0.41	15.64	-254	≈62.5 mL/min
918	2.62	11.24	1.32	8.9	0.93	0.39	15.78	-257	≈ 59 mL/min
922	collect samples for 8260								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ OTHER ____

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☒ HIGH DENSITY POLYETHYLENE ☐ OTHER ____

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☐ OTHER ____

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☐ OTHER ____

PURGE OBSERVATIONS

SIGNATURE: Joshua Leeder

NOTES

852 DTW = 21.90

900 DTW = 22.11

909 DTW = 22.30

918 DTW = 22.50

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/14/03

SITE ID: BR-09

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1510 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	21.37 FT	WELL DEPTH	49.4 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	21.34 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: 0.08 L/MIN

BEGIN PURGING: 1513

END PURGING: 1552

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
1524	0.85	11.01	0.49	17.1	4.07	2.19	15.79	-42	≈47mL/min
1531	1.41	11.00	0.49	20.8	3.73	2.15	16.17	-42	≈80 mL/min
1540	2.13	11.01	0.49	20.5	3.96	2.12	16.01	-40	≈80 mL/min
1547	2.69	11.01	0.49	23.7	3.86	2.06	16.00	-36	≈80 mL/min
1549	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

1524 DTW = 21.36
1531 DTW = 21.35
1540 DTW = 21.37
1547 DTW = 21.34

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/14/03

SITE ID: BR-10

SITE TYPE: Monitor Well

SITE ACTIVITY: START 945 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	20.96 FT	WELL DEPTH	50.25 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	20.96 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: 0.08 L/MIN

BEGIN PURGING: 950

END PURGING: 1028

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
1001	0.92	7.33	1.14	20.0	2.45	0.21	14.46	-41	≈83 mL/min
1009	1.59	7.32	1.15	15.1	1.21	0.25	14.56	-44	≈83 mL/min
1016	2.13	7.33	1.14	15.1	1.22	0.29	14.66	-50	≈74 mL/min
1022	2.60	7.33	1.14	20.2	1.19	0.39	14.71	-50	≈74 mL/min
1025	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

10:01 DTW = 20.95

10:09 DTW = 20.96

1016 DTW = 20.95

1022 DTW = 20.97

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/15/03

SITE ID: BL-11

SITE TYPE: Monitor Well

SITE ACTIVITY: START 918 END 1024

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [ ] TOP OF WELL RISER
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER	21.26 FT	WELL DEPTH	57.50 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	IN
FINAL DEPTH TO WATER	21.26 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY: CAP	
DRAWDOWN	— FT	DRAWDOWN VOLUME	— GAL	PRODUCT THICKNESS	FT	CASING	
						LOCKED	
						COLLAR	

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: 0.05 L/MIN

BEGIN PURGING: 923

END PURGING: 1017

TOTAL VOL. PURGED: 0.70 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Horiba downwell

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)		TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
939	0.89	7.36	1.58	63.6	2.25	0.49	17.20	-135	≈56 mL/min
950	1.39	7.27	1.60	35.0	1.12	0.31	17.64	-140	≈46 mL/min
1001	1.89	7.29	1.60	29.8	0.90	0.34	17.48	-144	≈46 mL/min
1012	2.50	7.30	1.59	31.8	0.67	0.17	17.08	-149	≈56 mL/min
1014	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

939 DTW = 21.28

950 DTW = 21.26

1001 DTW = 21.28

1012 DTW = 21.29

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/12/03

SITE ID: BR-12

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1300 END 1410

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER	16.96 FT	WELL DEPTH	44.45 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	17.48 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY: CAP	YES X, NO —, N/A —
DRAWDOWN	0.52 FT	DRAWDOWN VOLUME	0.78 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	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.09 L/MIN	1312	1356	1.03 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
1321	0.82	7.27	1.96	58.2	3.25	0.36	15.77	-178	≈90 mL/min
1328	1.46	7.27	1.96	49.0	2.83	0.31	15.83	-179	≈90 mL/min
1334	2.01	7.27	1.96	42.4	2.23	0.27	15.88	-179	≈90 mL/min
1341	2.65	7.27	1.96	39.8	1.88	0.35	16.02	-179	≈90 mL/min
1343	collect sample for 8260								
1346	collect samples 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

1321 DTW = 17.01
1328 DTW = 17.10
1334 DTW = 17.20
1341 DTW = 17.26

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/13/03

SITE ID: BR-13

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1458 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	21.91 FT	WELL DEPTH	78.2 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	21.96 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM		
DRAWDOWN	0.05 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
0.06 L/MIN	1459	1548	0.75 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
1511	0.75	7.11	1.41	23.1	1.22	0.24	17.14	-136	≈63 mL/min
1521	1.34	7.13	1.41	91.2	0.86	0.21	17.02	-147	≈59 mL/min
1531	1.90	7.14	1.42	69.2	0.65	0.32	17.08	-157	≈56 mL/min
1540	2.40	7.15	1.42	56.4	0.61	0.16	16.89	-164	≈56 mL/min
1548	collect samples for BR-13								

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

1511 DTW = 21.95
1521 DTW = 21.93
1531 DTW = 21.91
1541 DTW = 21.92

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/12/03

SITE ID: BR-14

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1336 END 1450

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	20.22 FT	WELL DEPTH	79.65 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	4 IN		
FINAL DEPTH TO WATER	21.11 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY:	YES	NO	N/A
DRAWDOWN	0.89 FT	DRAWDOWN VOLUME	0.58 GAL	PRODUCT THICKNESS	FT	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
0.05 L/MIN	1343	1444	0.71 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
1404	0.84	9.00	0.97	12.1	2.28	9.14	15.31	-217	≈40 mL/min
1414	1.34	9.03	0.94	26.1	2.85	1.06	15.41	-174	≈50 mL/min
1425	1.86	9.02	0.98	15.1	3.39	0.66	15.46	-178	≈48 mL/min
1438	2.40	9.01	0.97	15.8	2.93	1.10	15.50	-162	≈42 mL/min
1440	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

* downwell DO meter was not fully submerged on 1st reading.

NOTES

1404 DTW = 20.49
1414 DTW = 20.66
1425 DTW = 20.83
1438 DTW = 21.02

SIGNATURE: _____

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2003 2nd Qtr Sampling Event

DATE: 6 | 14 | 03

SITE ID: BR-15

SITE TYPE: Monitor Well

SITE ACTIVITY: START 835 END 944

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER	21.50 FT	WELL DEPTH	77.95 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	21.87 FT	SCREEN LENGTH	FT	PID WELL MOUTH	PPM	WELL INTEGRITY: CAP	YES X NO — N/A —
DRAWDOWN	0.37 FT	DRAWDOWN VOLUME	0.56 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: 0.06 L/MIN

BEGIN PURGING: 843

END PURGING: 935

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
859	0.97	7.25	1.35	172.0	6.40	1.86	16.00	-154	≈61 mL/min
907	1.44	7.25	1.37	92.3	1.62	1.51	15.91	-155	≈59 mL/min
917	2.00	7.25	1.36	46.7	1.03	1.35	15.90	-154	≈56 mL/min
928	2.61	7.27	1.36	39.1	0.98	1.23	15.86	-159	≈56 mL/min
930	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

859 DTW = 21.59
904 DTW = 21.62
917 DTW = 21.70
928 DTW = 21.78

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2003 2nd Qtr Sampling Event

DATE: 6/12/03

SITE ID: BR-17

SITE TYPE: Monitor Well

SITE ACTIVITY: START 934 END 1029

JOB NUMBER: 51870.9

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT

PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER	21.96 FT	WELL DEPTH	62.2 FT	PID AMBIENT AIR	PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	21.96 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: 0.06 L/MIN

BEGIN PURGING: 939

END PURGING: 1024

TOTAL VOL. PURGED: 0.72 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
953	0.93	7.07	2.08	90.8	6.26	0.42	15.19	-93	≈67 mL/min
1001	1.46	7.10	2.06	33.3	6.52	0.33	16.43	-85	≈67 mL/min
1010	1.93	7.12	2.06	25.9	7.25	0.38	15.58	-79	≈58 mL/min
1018	2.40	7.12	2.09	22.3	6.11	0.31	16.07	-71	≈58 mL/min
1020	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

953 DTW = 21.99

1001 DTW = 22.00

1010 DTW = 21.96

1018 DTW = 22.00

APPENDIX E

WELL CONSTRUCTION INFORMATION

Appendix E
Well Construction Information

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

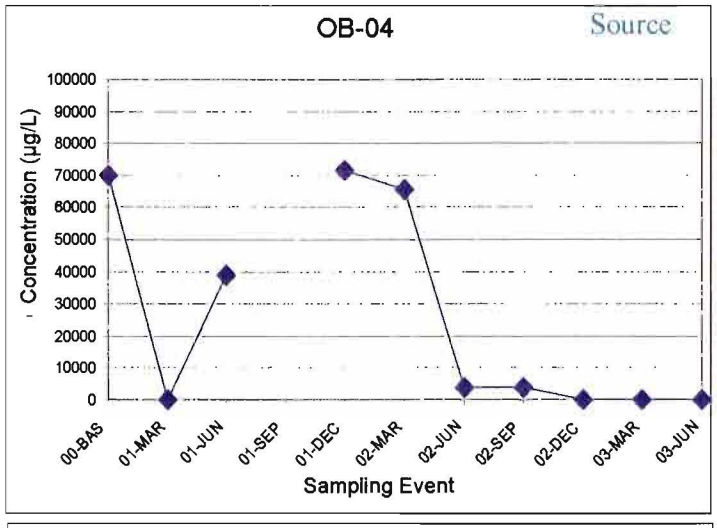
						Screen Interval		Survey Coordinates			Well Material	Completion		
Well ID	Date Installed	Well Purpose/Type	Well Location	Boring Depth	Well Depth	Top	Bottom	Easting	Northing	Elevation	Riser/Screen	Flush-mount	Vault	Stick-up
EW-S-10	08/09/00	Extraction	South Area	22.6	22.5	6.0	21.5	750381.30	1149367.65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

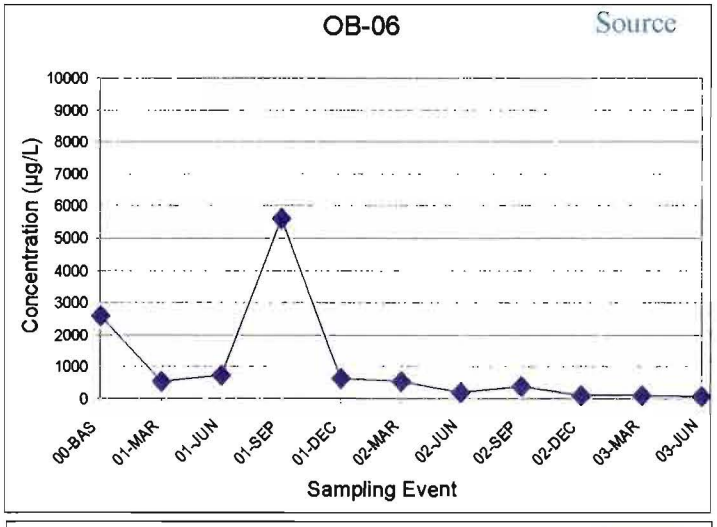
APPENDIX F

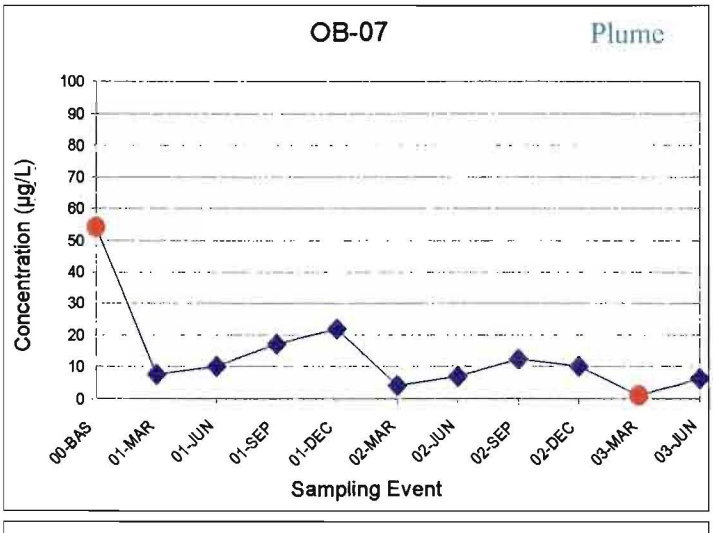
MONITOR WELL CONCENTRATION TREND GRAPHS

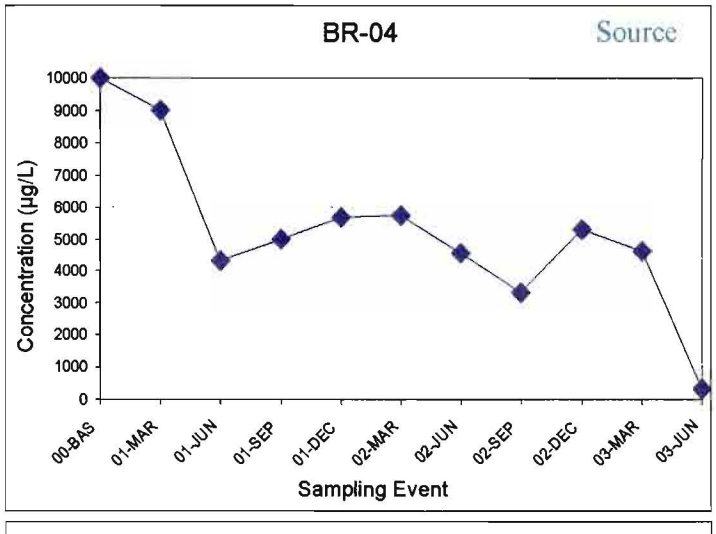
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

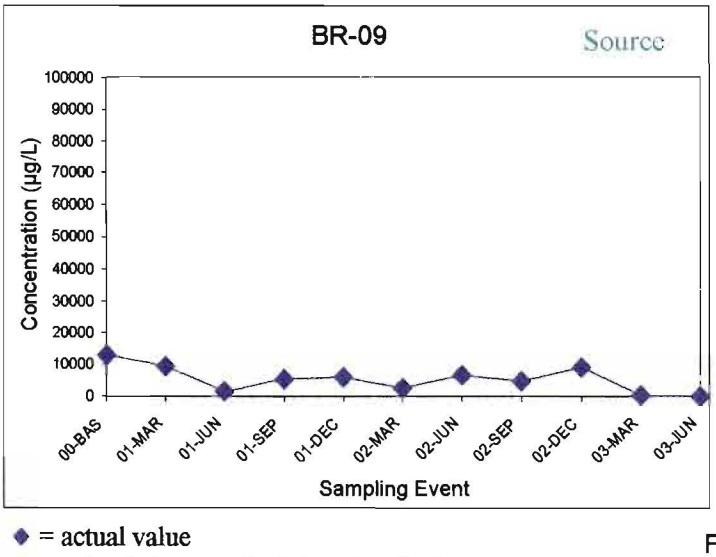
South TCE Area

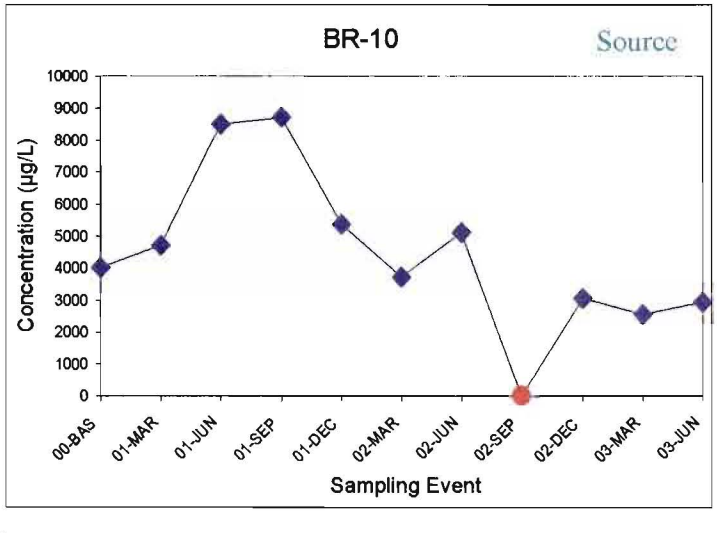








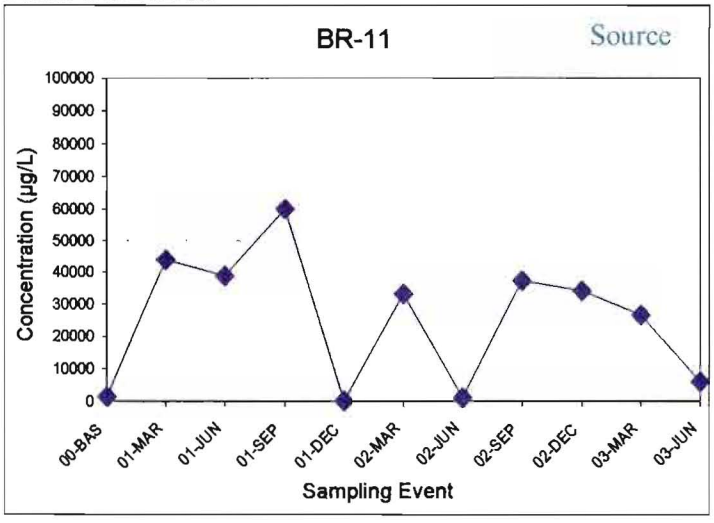


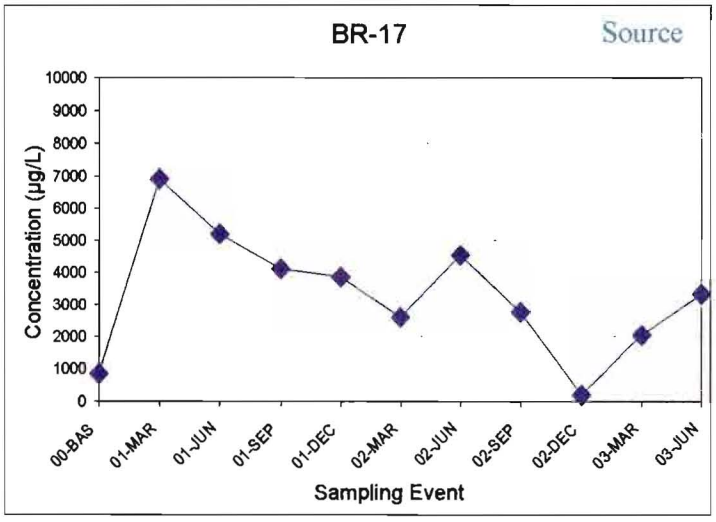


◆ = actual value
● = value below graphed detection limit

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

South TCE Area

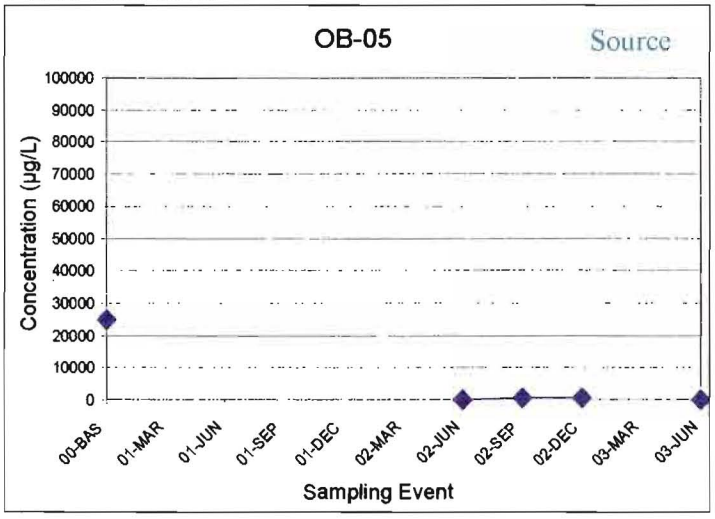


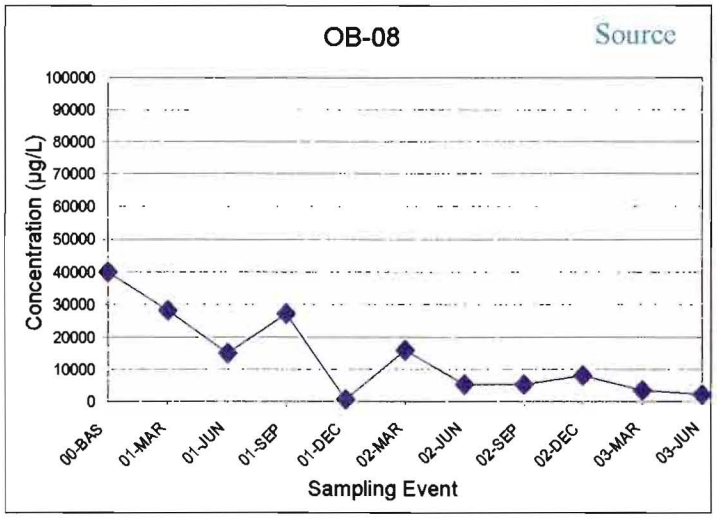


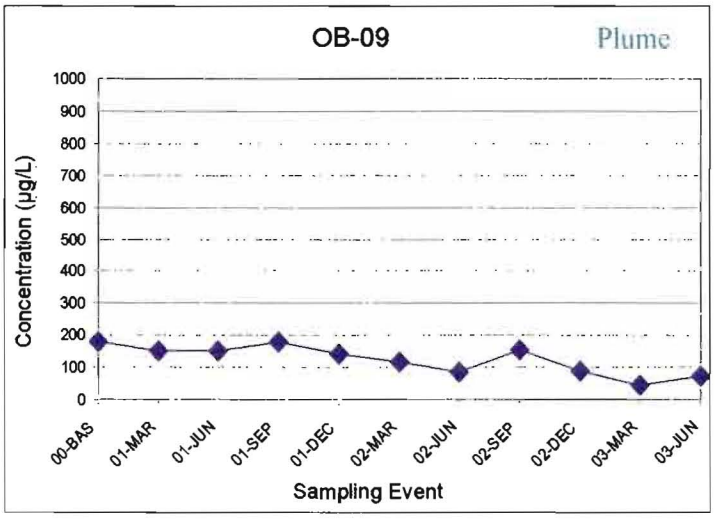
◆ = actual value
● = value below graphed detection limit

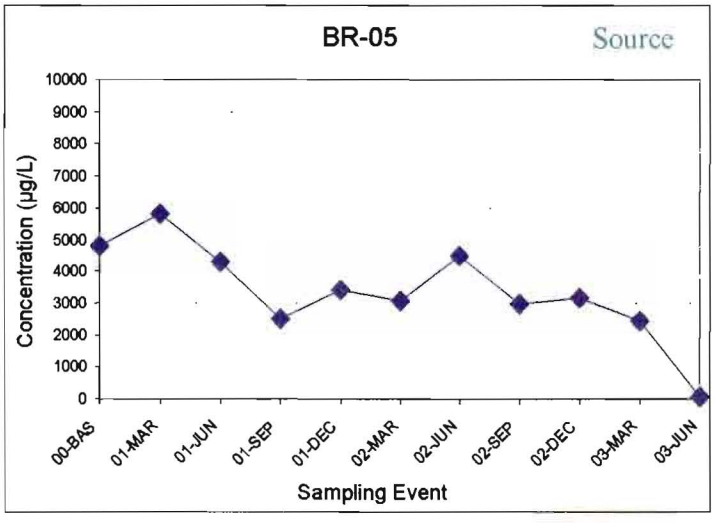
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

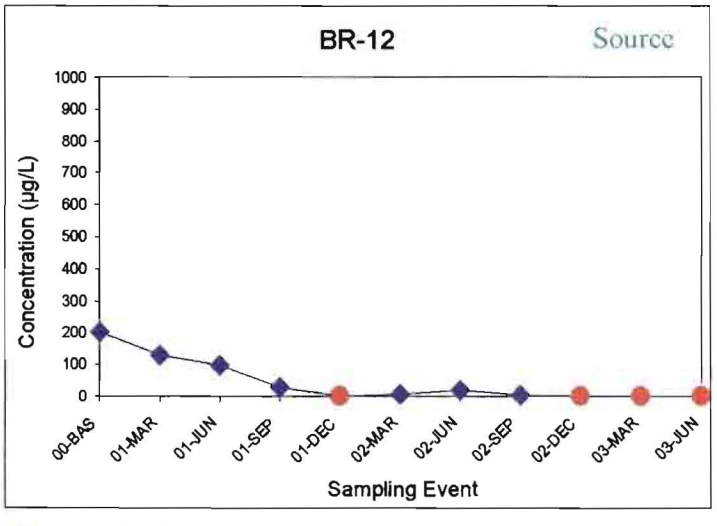
North TCE Area

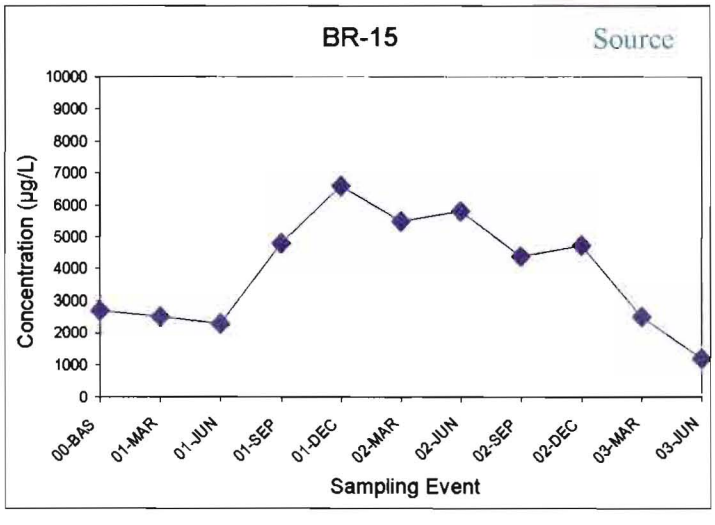








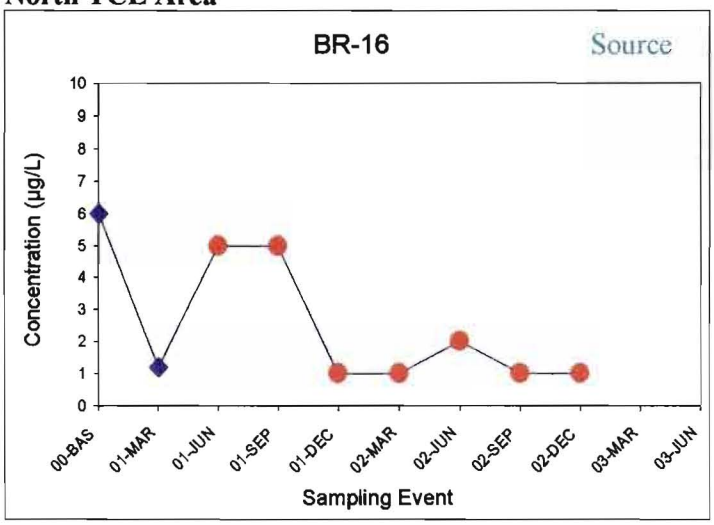




◆ = actual value
● = value below graphed detection limit

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

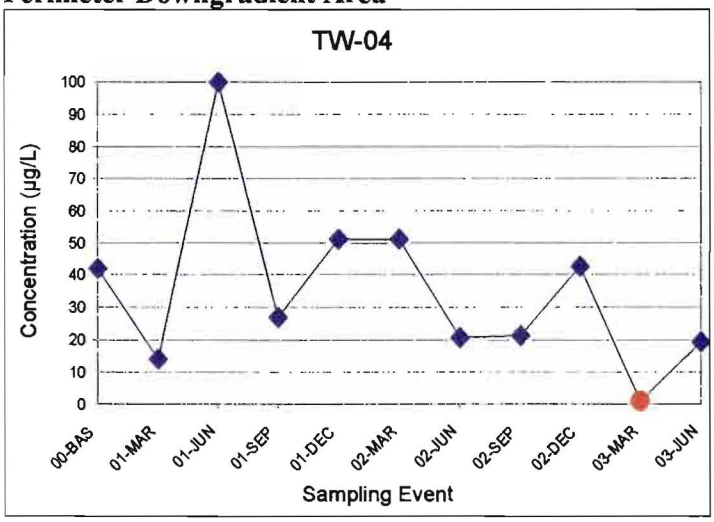
North TCE Area

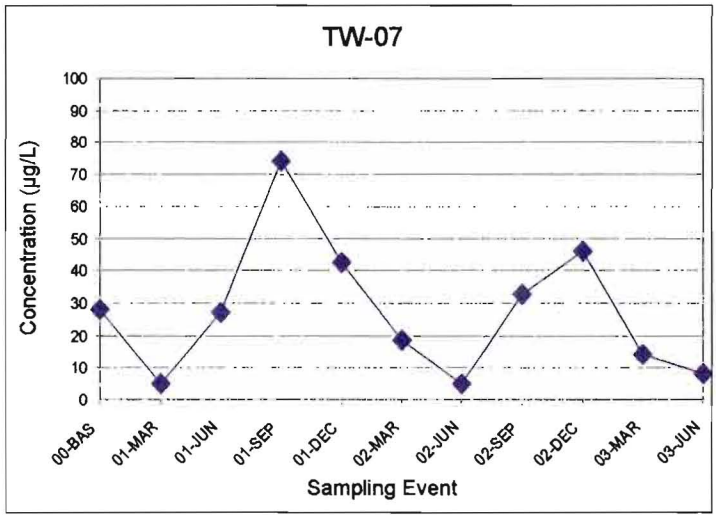


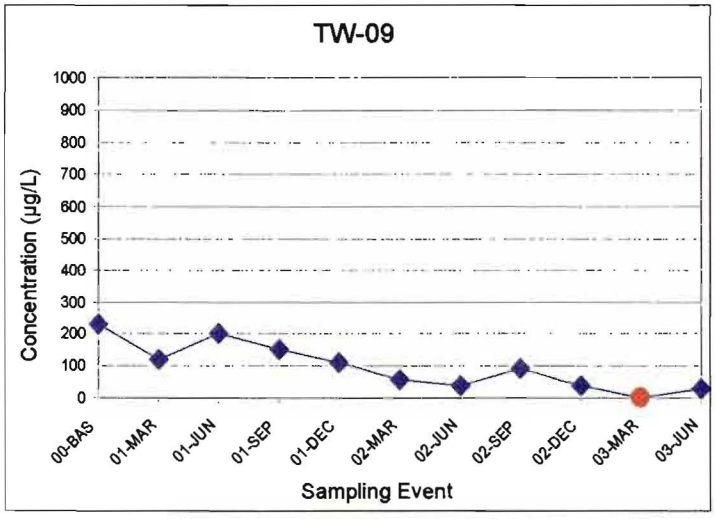
◆ = actual value
● = value below graphed detection limit

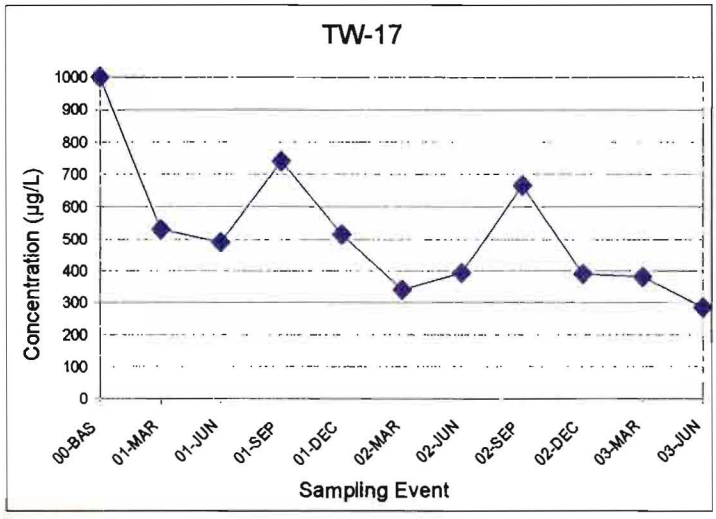
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

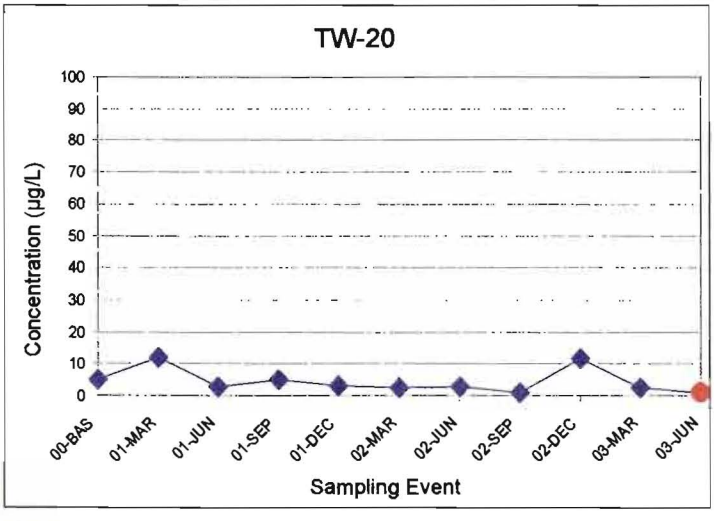
Perimeter Downgradient Area

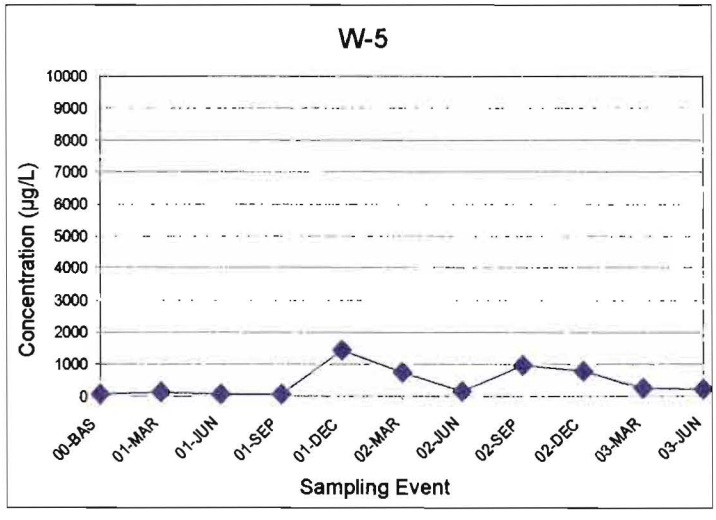








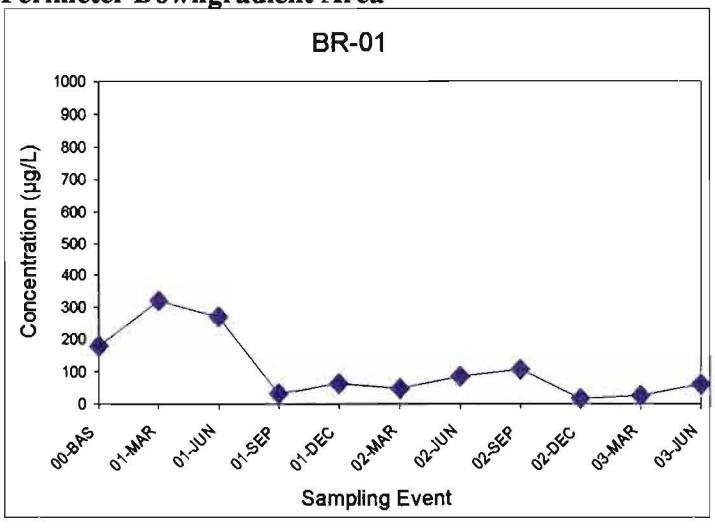


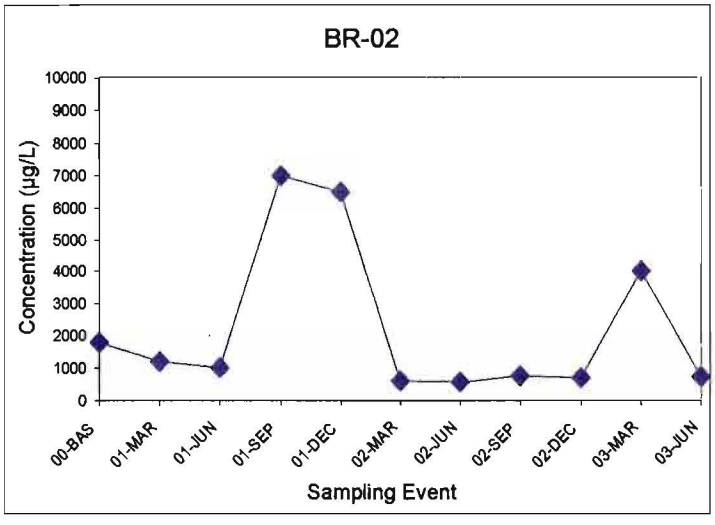


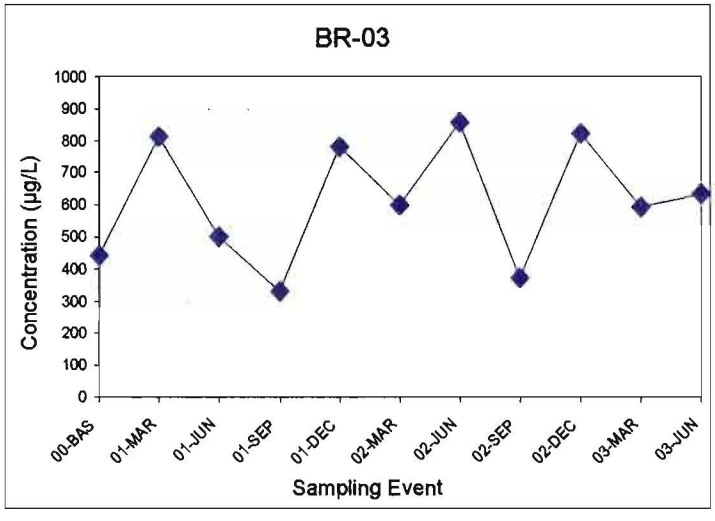
◆ = actual value
● = value below graphed detection limit

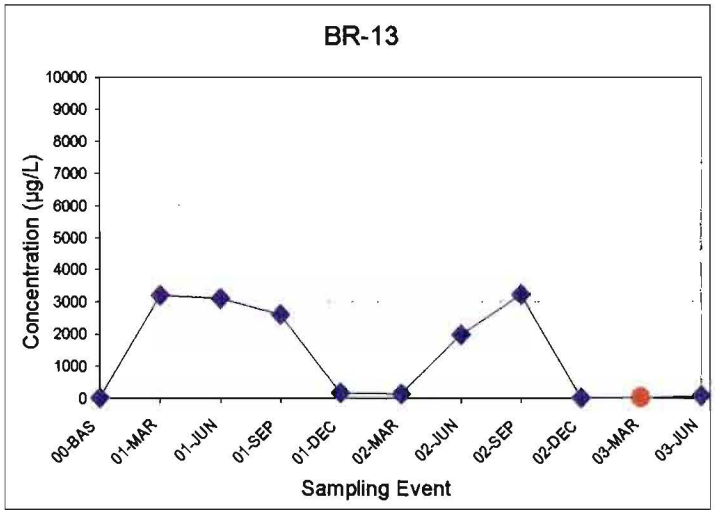
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

Perimeter Downgradient Area





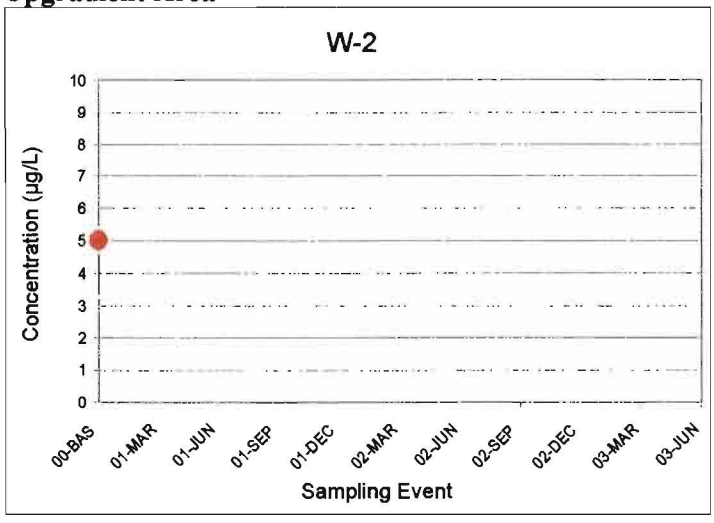


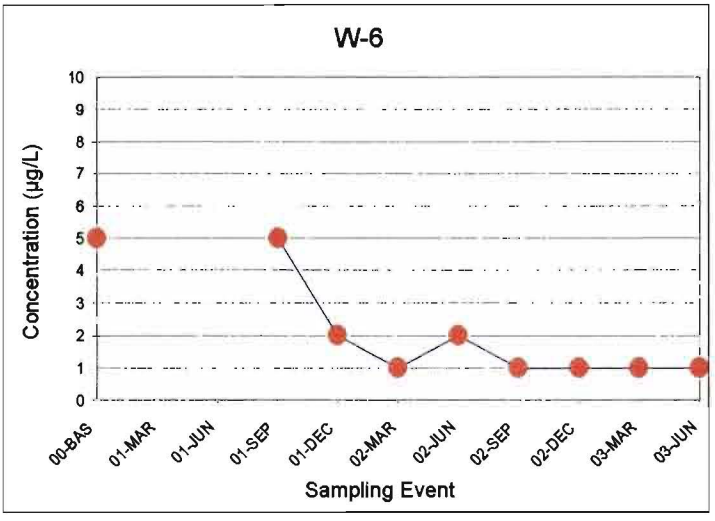


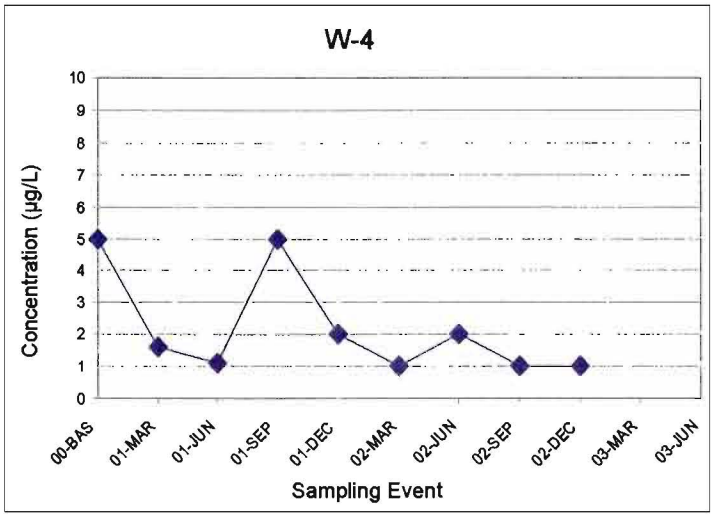
◆ = actual value
● = value below graphed detection limit

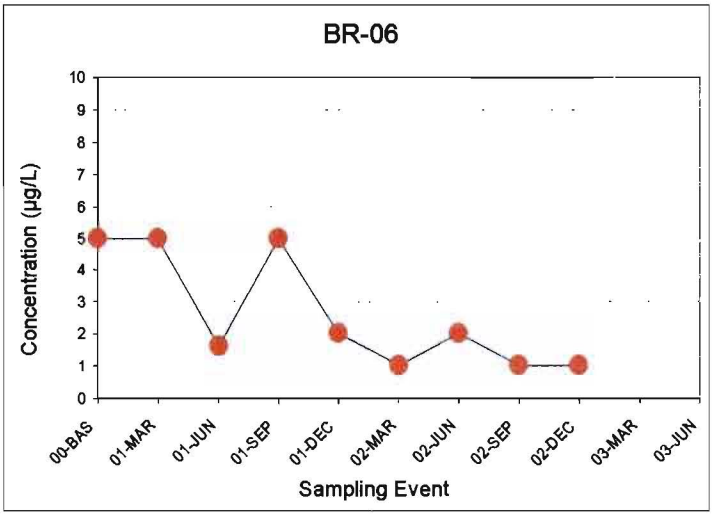
Appendix F
Monitor Well Concentration Trend Graphs
(TCE Concentration Trends)

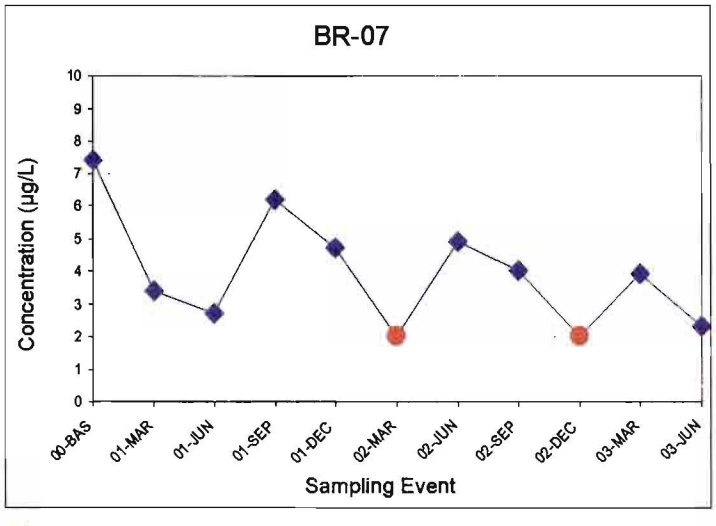
Upgradient Area

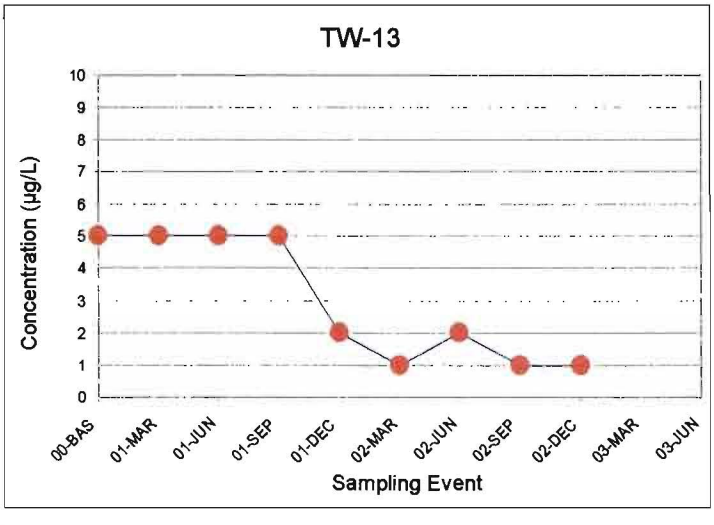








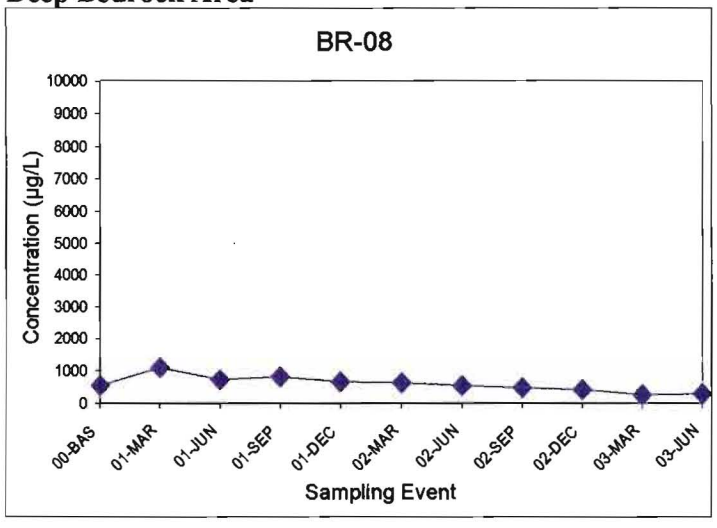


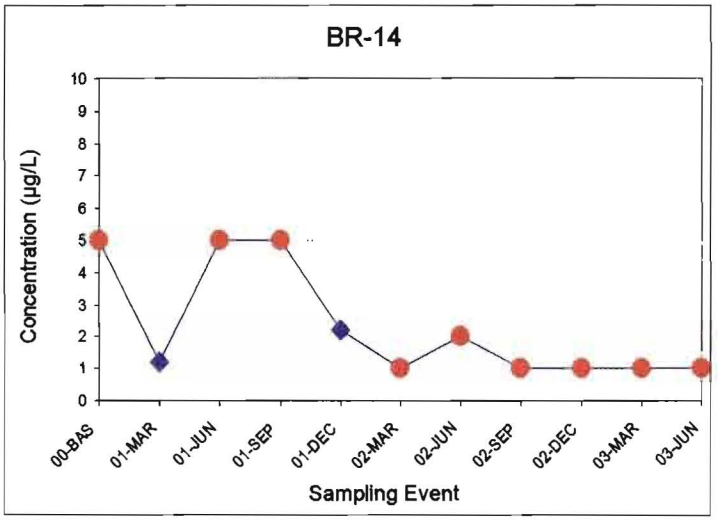


◆ = actual value
● = value below graphed detection limit

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

Deep Bedrock Area





◆ = actual value
● = value below graphed detection limit