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QUARTERLY PROGRESS REPORT FIRST QUARTER 2003 AND REMEDIAL PROGRESS EVALUATION

**FORMER TAYLOR INSTRUMENTS SITE
ROCHESTER, NEW YORK**

PREPARED FOR:

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First Quarter 2003 and Remedial Progress Evaluation
Former Taylor Instruments Site
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 first 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 first quarterly sampling event for 2003 was conducted in March. 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 30 million gallons of groundwater have been extracted and treated, resulting in the removal of 2,789 pounds of contaminants from the subsurface soil and groundwater. Corresponding declines of TCE contamination have occurred in all on-site monitor wells. 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 MARCH 2003 QUARTERLY SAMPLING EVENT

MACTEC Engineering and Consulting, Inc. (MACTEC) personnel performed the March sampling event to provide an inclusive set of groundwater analytical data for the first quarterly period of 2003. Forty samples were collected and submitted to Test America, Incorporated (Table 2-1). Thirty-nine samples were submitted for volatile organic analyses by U.S. Environmental Protection Agency (EPA) Method 8260B. Of the 40 samples collected, 8 were also submitted for natural biodegradation parameters, which include nitrate by Method 353.2; sulfate by Method 9038; chloride by Method 325.3; total organic carbon by Method 415.1; sulfide by Method 376.1; ferrous iron by Method 3500D; methane, ethane, and ethene by Method RSK175M; carbon dioxide by Method SM4500CO2C; and alkalinity by Method 310.1M. One sample was submitted for selected natural biodegradation parameters, which were alkalinity, chloride, and carbon dioxide. Twenty-eight of the samples were environmental samples collected from monitor wells located on the site. Twelve of the forty samples were associated with quality control efforts. All environmental samples, including field duplicates and matrix spike/matrix spike duplicate (MS/MSD) samples, were collected using low-flow peristaltic pumps at flow rates <400 milliliters per minute (mL/min).

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

2.2 TREATMENT SYSTEM OPERATION AND MAINTENANCE (O&M)

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

**Table 2-1
Samples and Analysis,
March 2003 Sampling Event**

Quarterly Progress Report
First 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	3/18/03	X		Trip Blank
QAFB01	3/18/03	X		Field Blank
QARB01	3/18/03	X		Rinsate Blank
W-2	3/18/03		X ³	Environmental Sample
TW-04	3/18/03	X	X	Environmental Sample
TW-17	3/18/03	X	X	Environmental Sample
TW-20	3/19/03	X	X	Environmental Sample
TW-07	3/19/03	X	X	Environmental Sample
TW-09	3/19/03	X	X	Environmental Sample
OB-09	3/19/03	X	X	Environmental Sample
OB-07	3/19/03	X	X	Environmental Sample
OB-07 (MS)	3/19/03	X		Matrix Spike
OB-07 (MSD)	3/19/03	X		Matrix Spike Duplicate
W-5	3/20/03	X	X	Environmental Sample
W-5 (DUP)	3/20/03	X		Duplicate
OB-06	3/20/03	X		Environmental Sample
BR-08	3/20/03	X		Environmental Sample
BR-17	3/20/03	X		Environmental Sample
BR-03	3/21/03	X		Environmental Sample
BR-14	3/21/03	X		Environmental Sample
QATB02	3/21/03	X		Trip Blank
QAFB02	3/21/03	X		Field Blank
QARB02	3/21/03	X		Rinsate Blank
BR-01	3/21/03	X		Environmental Sample
BR-02	3/21/03	X		Environmental Sample
See notes at end of table.				

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

Quarterly Progress Report
First Quarter 2003 and Remedial Progress Evaluation
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Sample ID	Sample Date	VOCs ¹ Analysis	Natural Biodegradation Parameter Analysis ²	Description
BR-07	3/21/03	X		Environmental Sample
BR-07 (DUP)	3/21/03	X		Duplicate
BR-12	3/22/03	X		Environmental Sample
BR-12 (MS)	3/22/03	X		Matrix Spike
BR-12 (MSD)	3/22/03	X		Matrix Spike Duplicate
BR-13	3/22/03	X		Environmental Sample
W-6	3/22/03	X		Environmental Sample
BR-15	3/22/03	X		Environmental Sample
BR-10	3/22/03	X		Environmental Sample
OB-04	3/22/03	X		Environmental Sample
BR-04	3/23/03	X		Environmental Sample
BR-05	3/23/03	X		Environmental Sample
BR-09	3/23/03	X		Environmental Sample
OB-08	3/24/03	X		Environmental Sample
BR-11	3/24/03	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. 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				

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

The wells sampled during the first quarterly (March 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 March 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, and March 2003 sampling events. Table 3-4 presents a summary of the decline of TCE concentrations over time in monitor wells. Natural biodegradation results for the March 2003 event are summarized in Table 3-5 (see Section 3.5). Additionally, other degradation products have been detected in on-site wells further indicating the occurrence of natural biodegradation. 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.

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	ID = identification
* = unique sampling event	J = estimated value
µg/L = micrograms per liter	TCE = trichloroethylene
1,1-DCE = 1,1-dichloroethylene	trans-1,2-DCE = trans-1,2-dichloroethylene
cis-1,2-DCE = cis-1,2-dichloroethylene	VOC = volatile organic compound
DUP = duplicate	

Table 3-2
Summary of Overburden VOC Results for the
Baseline; 2001; 2002; and March 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-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-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	--	--	--

See notes at end of table.

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

See notes at end of table.

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

See notes at end of table.

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

See notes at end of table.

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

Quarterly Progress Report
First 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	--	--	--	--
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-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

See notes at end of table.

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

Quarterly Progress Report
First 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-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	--	--	--

See notes at end of table.

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

Quarterly Progress Report
First 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

1,1-DCE = 1,1-dichloroethylene

DUP = duplicate

J = estimated value

TCE = trichloroethylene

VOC = volatile organic compound

µg/L = micrograms per liter

cis-1,2-DCE = cis-1,2-dichloroethylene

ID = identification

NS = not sampled

trans-1,2-DCE = trans-1,2-dichloroethylene

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

Quarterly Progress Report
First 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-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-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	--

See notes at end of table.

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

Quarterly Progress Report
First Quarter 2003 and Remedial Progress Evaluation
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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-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-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

See notes at end of table.

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

Quarterly Progress Report
First 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-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	--	--	--

See notes at end of table.

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

Quarterly Progress Report
First Quarter 2003 and Remedial Progress Evaluation
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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-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-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

See notes at end of table.

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

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

See notes at end of table.

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

Quarterly Progress Report
First 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-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-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

See notes at end of table.

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

Quarterly Progress Report
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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

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TCE concentrations in monitor wells OB-04 and OB-06 have continued to decrease in March 2003 from the highest results reported during baseline or post baseline sampling events, resulting in overall declines of 99 and 98, respectively (Table 3-4).

Monitor Well OB-07 reported no detections of TCE or daughter products in March 2003 event resulting in an overall decline of 91 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. MACTEC personnel were unable to sample OB-05 during the March 2003 sampling event due to the well being dry.

Monitor Wells OB-08 and OB-09 have continued to show decreases in TCE concentrations during the March 2003 event. Overall declines in these concentrations are 91 and 75 percent, respectively (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 March 2003. The overall decline in these concentrations are 54, 97, 70, and 56 percent, respectively (Table 3-4).

TCE concentrations in monitor well BR-17 increased from 186 $\mu\text{g/L}$ in December 2002 to 2,020 $\mu\text{g/L}$ in March 2003, but still remain below the highest reported value of 6,900 $\mu\text{g/L}$ since the baseline event resulting in an overall decline of 71 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 March 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 March 2003. The percent decline in these concentrations are 58, 99, and 62 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.

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 March 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 March 2003 sampling event. In BR-07, TCE concentrations increased slightly from nondetectable levels to 3.9 µg/L, but still remain below the highest values detected since the baseline event. The overall decline for TCE was 47 percent (Table 3-4).

3.3 PERIMETER DOWNGRAIENT 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 98, 99, 62, 80, and 82 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 have continued to decrease in March 2003, resulting in overall declines of 31 and 99 percent, respectively (Table 3-4).

TCE concentrations increased in both BR-01 and BR-02 in March 2003. BR-01 concentrations increased from 14.3 $\mu\text{g/L}$ (December 2002) to 25.8 $\mu\text{g/L}$ (March 2003). However, concentrations still remain below the highest reported since the baseline event, resulting in an overall decline of 92 percent (Table 3-4). Concentrations in BR-02 increased from 694 $\mu\text{g/L}$ (December 2002) to 4,000 $\mu\text{g/L}$ (March 2003). Although this represents the most significant increase for all site monitor wells, the overall decline in TCE concentrations for the well is 43 percent (Table 3-4).

Deep Bedrock Monitor Wells

TCE concentrations for both of the deep bedrock monitor wells BR-08 (South TCE Source Area) and BR-14 (North TCE Source Area) continue to decrease in March 2003. Overall declines shown are 77 and 55 percent, respectively (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 7.0), 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 March 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 March 2003 event agrees with past mapping in the North TCE Source Area, but does not show the groundwater extraction effect typically seen in the South TCE Source Area, which is more than likely attributed to an increase in groundwater levels due to snow melt and rainfall.

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

3.5 NATURAL BIODEGRADATION

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

Table 3-5 shows that TCE daughter products were detected in three out of the eight perimeter and source area monitor wells. Several other parameters measured in each of these monitor wells containing TCE daughter products were indicative that natural biodegradation is occurring. While daughter products were not detected in TW-04, TW-20, TW-09, TW-17, and OB-07, these wells have several other parameter readings favorable for natural biodegradation. Concentrations of daughter products may be present in the vicinity of these wells at concentrations less than the sample quantitation limits (SQLs), or daughter products may have completely degraded to non-toxic end products, such as carbon dioxide, water, and chloride.

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

Table 3-5
Summary of Natural Biodegradation Results,
March 2003 Sampling Event¹

Quarterly Progress Report
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Parameter	Value Favorable for Natural Biodegradation	TW-04	TW-07	TW-09	TW-17	TW-20	W-5	OB-07	OB-09	W-2 (background)
DO (mg/L)	<0.5	4.61	0.78	5.97	5.90	6.93	0.46	5.88	0.37	5.77
Nitrate (mg/L)	<1	<0.10	23.6	1.34	<0.10	2.06	<0.10	0.84	2.31	NA
Iron II (mg/L)	>1	0.191	<0.10	<0.10	<0.10	<0.10	0.392	<0.10	0.172	NA
Sulfate (mg/L)	<20	225	390	175	90.5	64.4	136	66.4	225	NA
Sulfide (mg/L)	>1	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA
Methane (mg/L)	>0.5	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	NA
ORP (mV)	<50	95	72	106	72	98	27	47	24	86
pH	5<pH<9	7.56	6.78	7.04	7.49	7.14	7.15	10.03	7.29	8.01
TOC (mg/L)	>20	1.71	4.35	1.35	1.85	2.19	<1.00	3.26	2.08	1.02
Temperature (°C)	>20	7.58	7.85	8.82	8.35	7.47	9.35	10.62	11.63	9.32
CO ₂ (mg/L)	Note 1	7.2	31.1	16.6	<3.0	36.2	8.7	<3.0	10.8	<3.0
Alkalinity (mg/L)	Note 1	284	320	170	297	398	364	35.2	254	NA
Chloride (mg/L)	Note 1	9.89	35.6	8.33	14.4	13.4	24.3	9.42	7.11	11.9
BTEX (mg/L)	>0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
Ethene (mg/L)	>0.01	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	NA
Ethane (mg/L)	>0.01	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	NA
Daughter Products Detected	Any detection of daughter products	No	Yes	No	No	No	Yes	No	Yes	NA
See notes at end of table.										

Table 3-5 (Continued)
Summary of Natural Biodegradation Results,
March 2003 Sampling Event¹

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

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

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

Note: Shading indicates parameters supportive of natural biodegradation.

DO = dissolved oxygen

mg/L = milligrams per liter

NA = not applicable

ORP = oxygen reduction potential

mV = millivolt

TOC = total organic compound

°C = degrees Celsius

CO₂ = carbon dioxide

BTEX= benzene, toluene, ethylbenzene, and xylene

DCE = dichloroethylene

VOC = volatile organic compound

J = estimated

EPA = Environmental Protection Agency (United States)

µg/L = micrograms per liter

TCE = trichloroethylene

3.6 TREATMENT SYSTEM QUARTERLY PERFORMANCE

The System was fully operational on January 6, 2001. Since then, it has operated 96 percent of available hours through March 2003. The System operated 96 percent of available hours during the first quarter of operation in 2003. The downtime during the first quarter was due to normal O&M activities. Table 3-6 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 30.3 million gallons of groundwater through March 2003.

During the first quarter of operation in 2003, 2.9 million gallons of groundwater was extracted with an average flow rate of 23 gallons per minute, and a total of 95 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 31,000 gallons of water removed. A total of 2,789 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 first quarter of operation in 2003, approximately 84 pounds (88 percent) of VOCs were removed by the vacuum extraction process and the remaining 11 pounds (12 percent) were removed by air stripping of the collected groundwater. Table 3-7 summarizes groundwater sample results from the equalization tank and vapor sampling results from the effluent of three vacuum pumps and air stripper. As indicated by the results, the total quarterly mass of VOCs extracted by the treatment system continued to decrease during the first quarter of operation in 2003. The mass of VOCs extracted 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 four bedrock wells (BR-01, BR-02, BR-07, and BR-17). However,

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

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

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

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Parameter	2002			
	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th 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.				

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

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Former Taylor Instruments Site
Rochester, New York

Sample Location	Date	cis-1,2-DCE	trans-1,2-DCE	TCE	Vinyl Chloride
Vapor Analytical Results¹ (mg/m³)					
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
See notes at end of table.					

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

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Sample Location	Date	cis-1,2-DCE	trans-1,2-DCE	TCE	Vinyl Chloride
Vapor Analytical Results ¹ (mg/m ³)					
Vacuum Pump #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
See notes at end of table.					

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

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Sample Location	Date	cis-1,2-DCE	trans-1,2-DCE	TCE	Vinyl Chloride
Vapor Analytical Results¹ (mg/m³)					
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
See notes at end of table.					

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

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Sample Location	Date	cis-1,2-DCE	trans-1,2-DCE	TCE	Vinyl Chloride
Vapor Analytical Results¹ (mg/m³)					
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
See notes at end of table.					

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

Quarterly Progress Report
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Sample Location	Date	cis-1,2-DCE	trans-1,2-DCE	TCE	Vinyl Chloride
Groundwater Analytical Results² (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
See notes at end of table.					

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

Quarterly Progress Report
First 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: $\mu\text{g/L}$ = 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

concentrations have not reached maximum levels reported in the pre-baseline events for BR-01, BR-02, and BR-07. BR-17 was installed just prior to the baseline event and TCE concentrations have not reached the highest level reported in March 2001.

As discussed above, the System has operated successfully since January 2001 maintaining a 96 percent operational rate during the two-year period. Since that time, 30.3 million gallons of groundwater have been extracted and treated. A total of 2,789 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 is approaching an asymptotic level as is evident by Figure 7 (Appendix A). Over the second, third, and fourth quarter of 2002 and the first quarter of 2003, the graph depicts a leveling out of contaminant concentrations indicating a decline in contaminants available for removal. This decline is also 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 92 percent for the South TCE Source Area and 46 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 trended downward during the first quarter 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 65 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 were first started up, with only 9,441 gallons of water having to be pumped to remove 1 pound of VOC during the first quarter of operation, as shown on Table 3-6. In contrast, during the first quarter of 2003, 31,000 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 had dropped to 0.02 pounds per hour by the first 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	0.0558	112	0.0551	1.26	78 - 132	15
Chlorobenzene	0.0539	108	0.0546	1.29	79 - 124	16
1,1-Dichloroethene	0.0515	103	0.0513	0.39	68 - 141	19
Toluene	0.0527	105	0.0536	1.69	77 - 134	16
Trichloroethene	0.0535	104	0.0534	0.19	73 - 137	20
Tetrachloroethene	0.0494	099	0.0503	1.81	72 - 136	23

Note: mg/L = milligrams per liter

BR-12

Analyte	MS Value (mg/L)	Recovery (%)	MSD Value (mg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	0.0518	104	0.0513	0.97	78 - 132	15
Chlorobenzene	0.0512	102	0.0517	0.97	79 - 124	16
1,1-Dichloroethene	0.0498	100	0.0483	3.06	68 - 141	19
Toluene	0.0531	106	0.0532	0.19	77 - 134	16
Trichloroethene	0.0524	105	0.0522	0.38	73 - 137	20
Tetrachloroethene	0.0509	106	0.0509	0.00	72 - 136	23

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 March 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	2	7.4		8.0		0.08
	cis-1,2-Dichloroethene	2	35.9		36.0		0.03
	trans-1,2-Dichloroethene	2	18.0		18.8		0.04
	Trichloroethene	2	3.9		3.9		0.00
	Vinyl chloride	2	97.5		102		0.05
W-5	cis-1,2-Dichloroethene	2	132		119		0.10
	trans-1,2-Dichloroethene	2	3.4		3.3		0.03
	Trichloroethene	2	262		232		0.12

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 March 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 March 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 eight 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 2,789 pounds of TCE from subsurface media.
- It is apparent that the System has reached an asymptotic level of operation as can be seen in Figure 7 in Appendix A and in the mass removal rate reported in Table 3-6. The cumulative mass removed has clearly leveled out over the last four quarters.
- Natural biodegradation is occurring at the site as indicated by the values measured for various natural biodegradation parameters and the presence of TCE daughter products.

6.0 REFERENCES

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- MACTEC Engineering and Consulting, Inc. 2002. *Quarterly Progress Report, Third Quarter 2002, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York*. Prepared for Combustion Engineering, Norwalk, Connecticut (November).

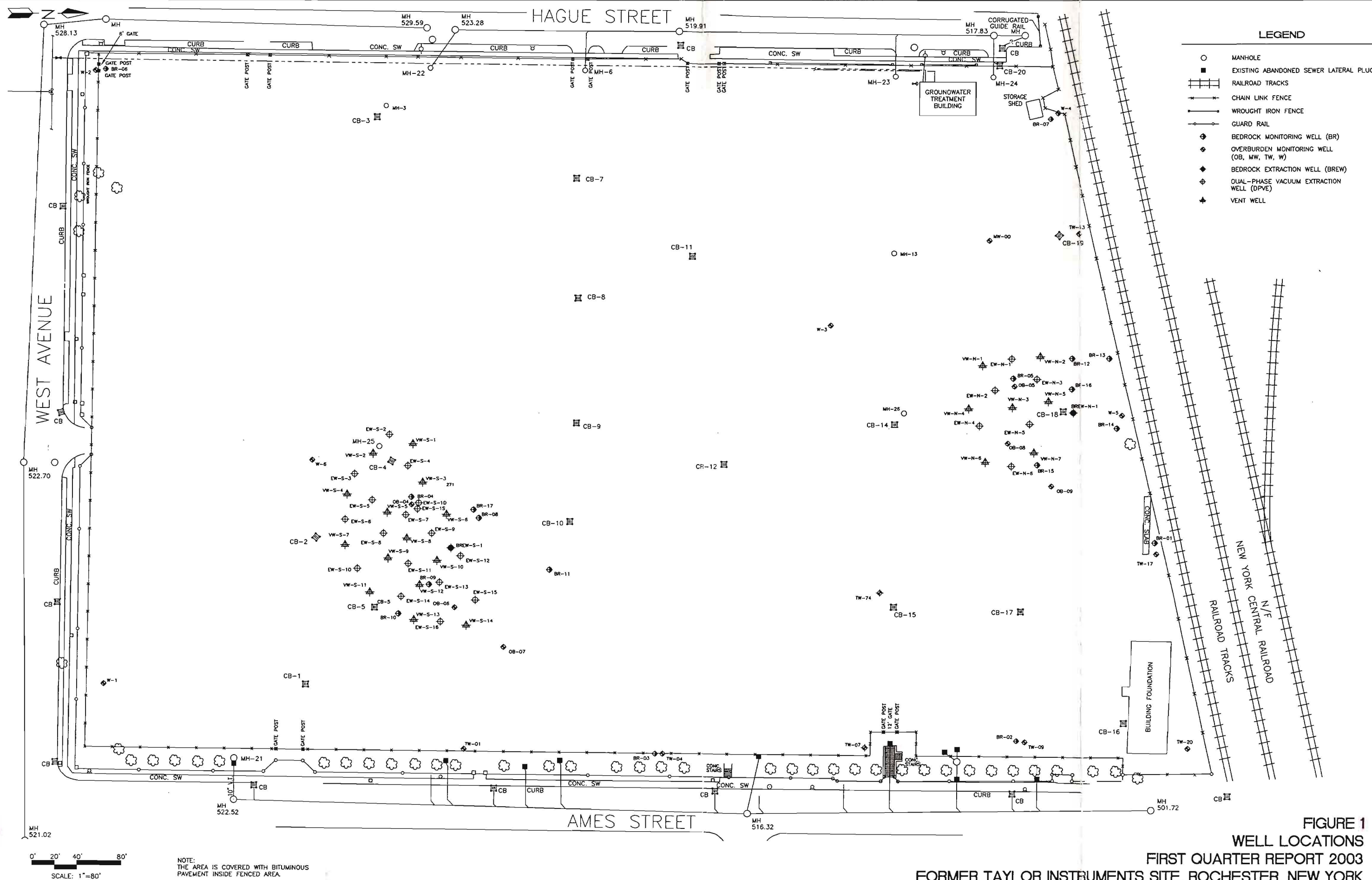
MACTEC Engineering and Consulting, Inc. 2003. *Quarterly Progress Report, Fourth Quarter 2002 and 2-Year Progress Evaluation, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York.* Prepared for Combustion Engineering, Norwalk, Connecticut (March).

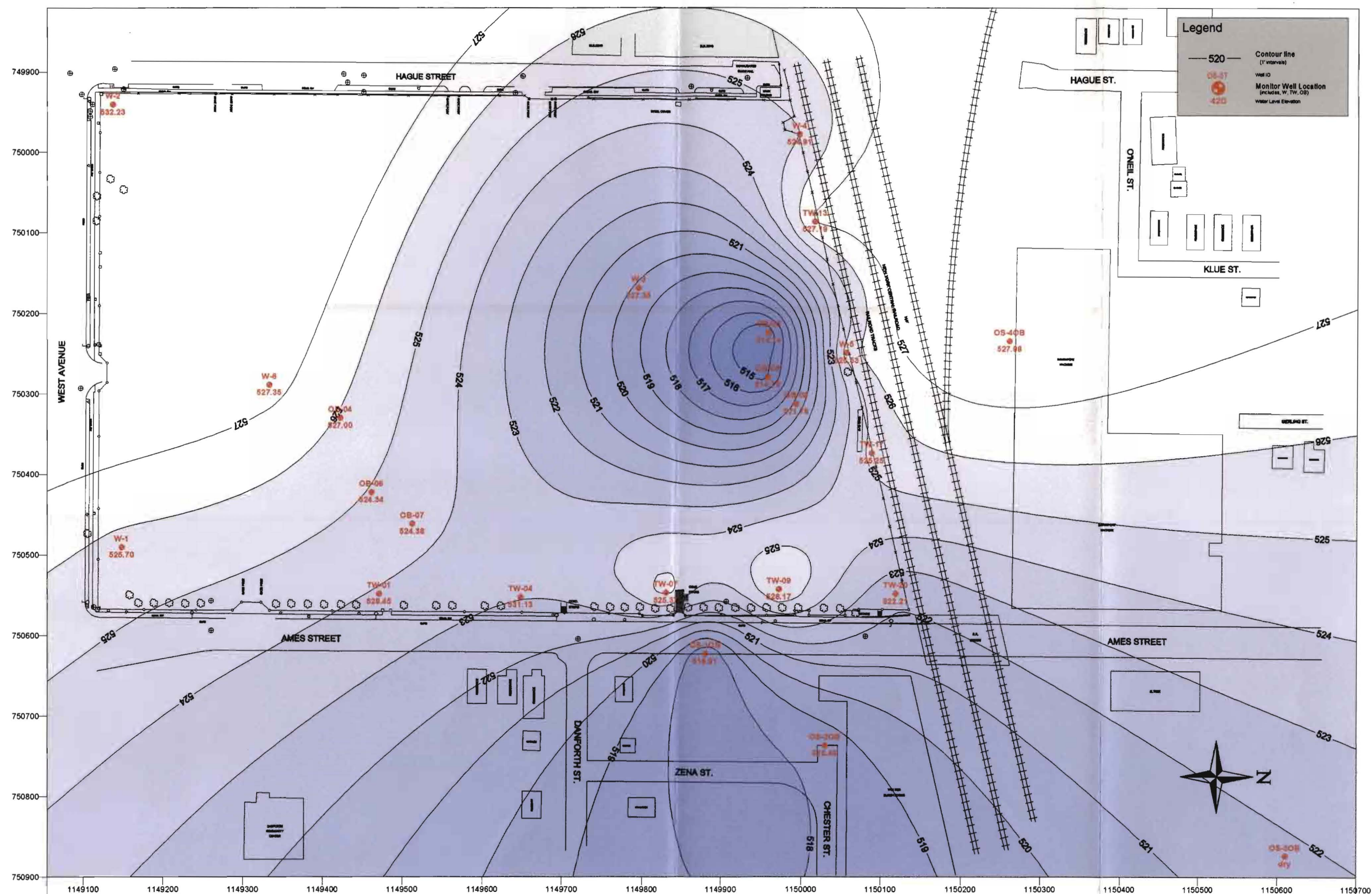
NYSDEC. 1997. Voluntary Cleanup Agreement regarding the Taylor Instruments Site, Number B8-0508-97-02 (November).

APPENDIX A

FIGURES

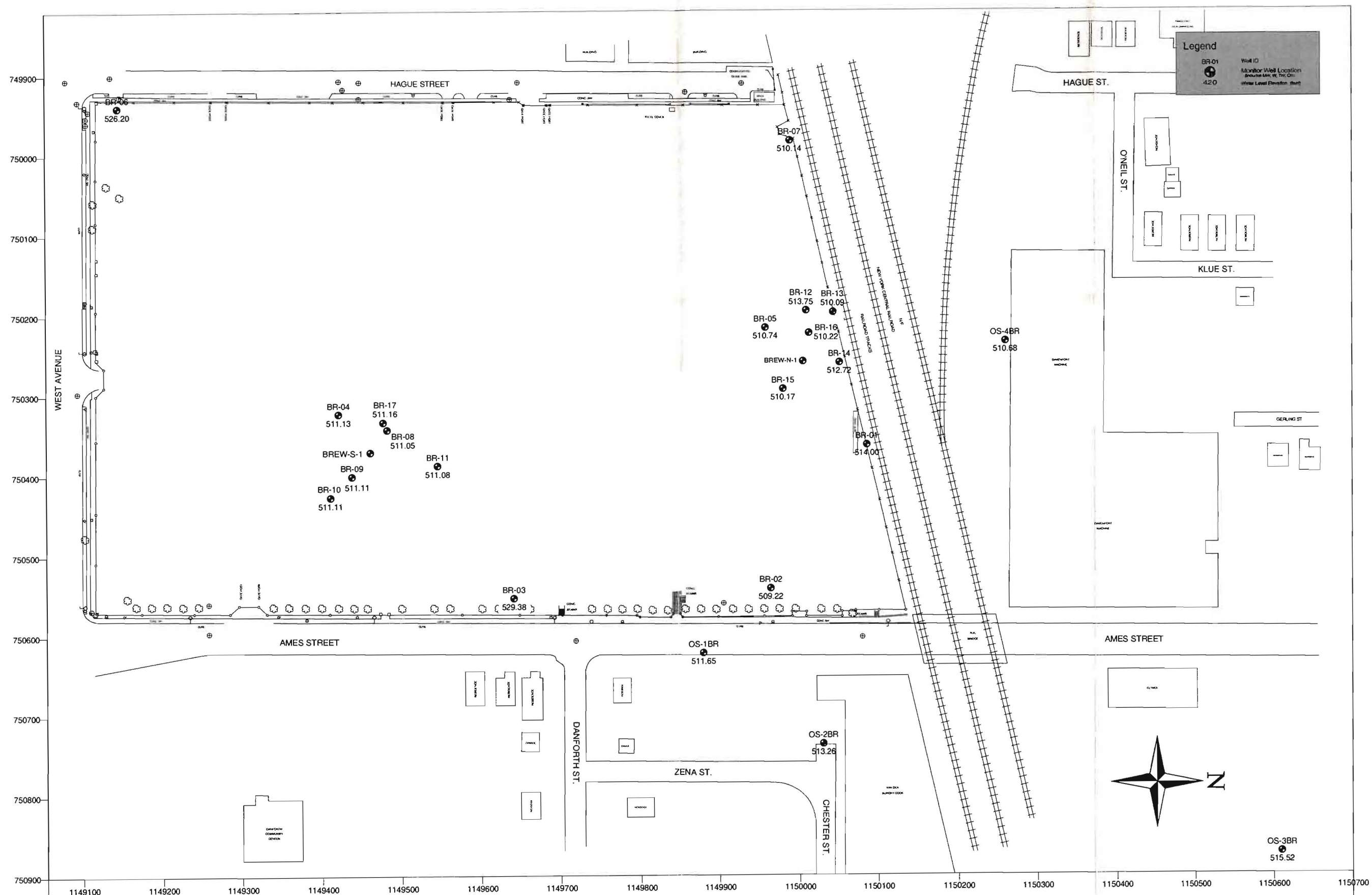
P:\Cadd\3187\03\ 10 Jun 2003 - 10:32am JRC/ghm





Note: Data for Monitor Wells OS-10B, OS-20B, OS-30B, and OS-40B were provided by Haley and Aldrich of New York. Data collected on March 18, 2003.

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



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 March 18, 2003

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

Figure 6
Average Groundwater Flowrates

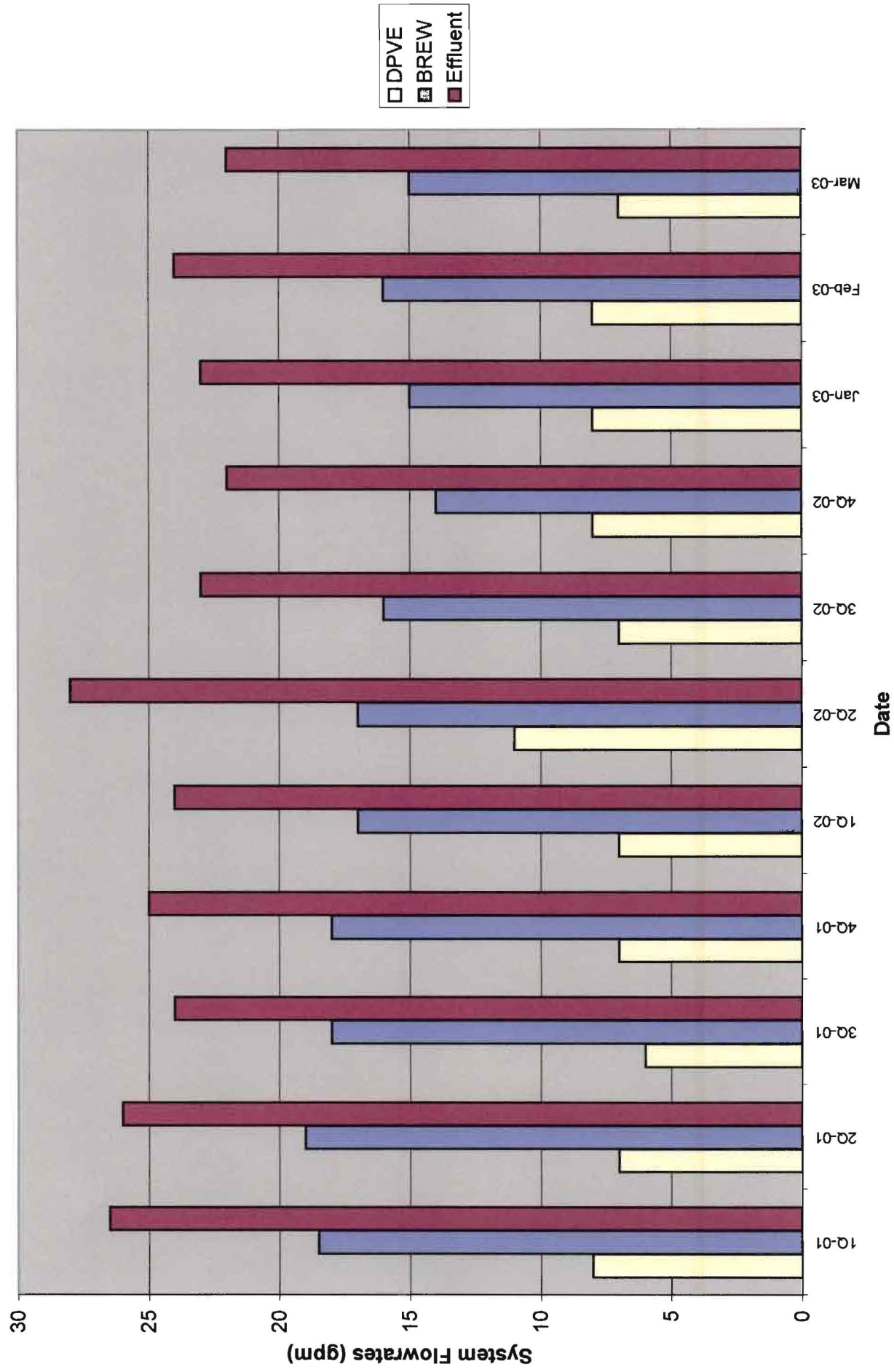


Figure 7
TCE Mass Removed

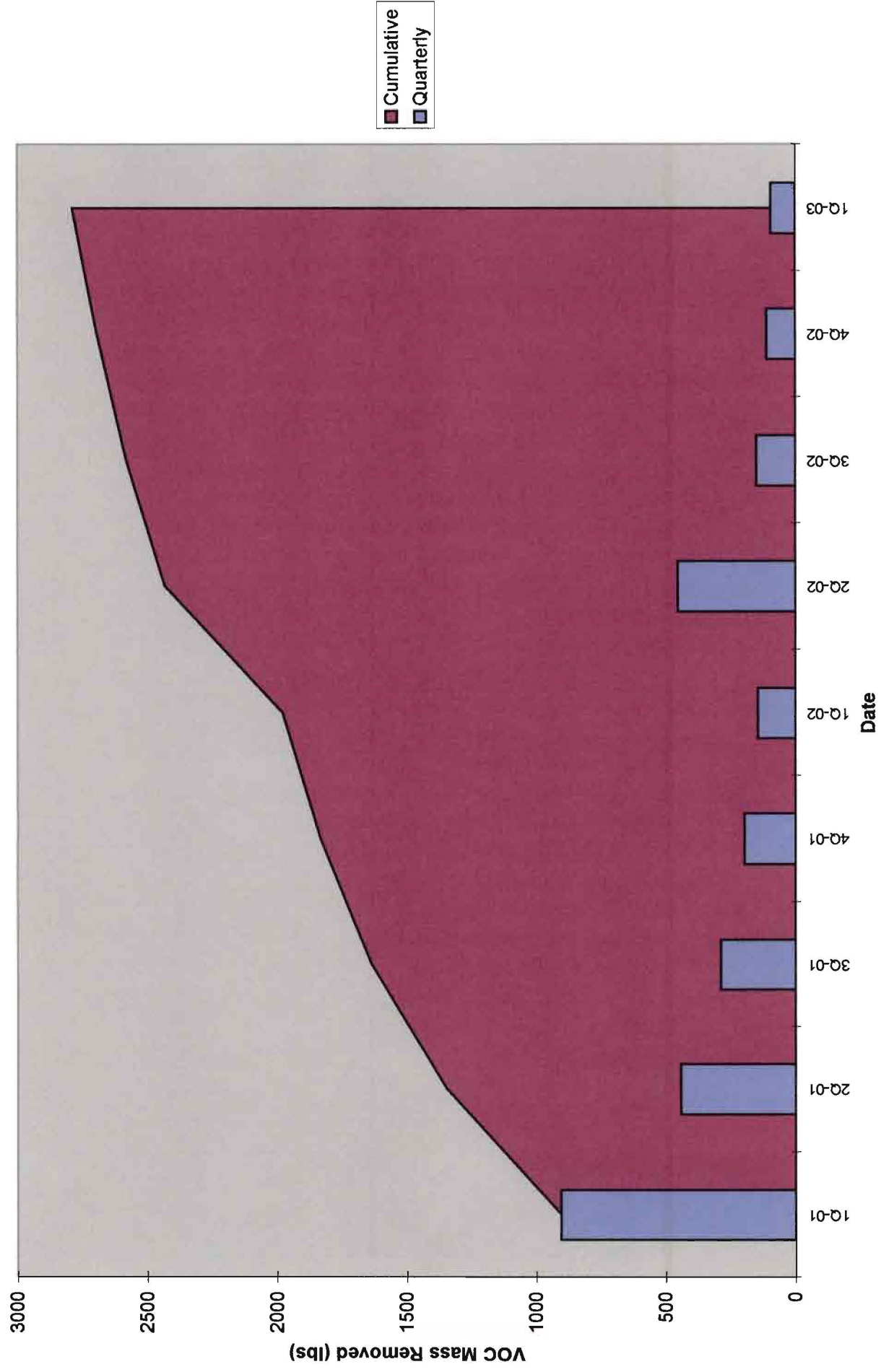


Figure 8
System TCE Effluent Vapor Results

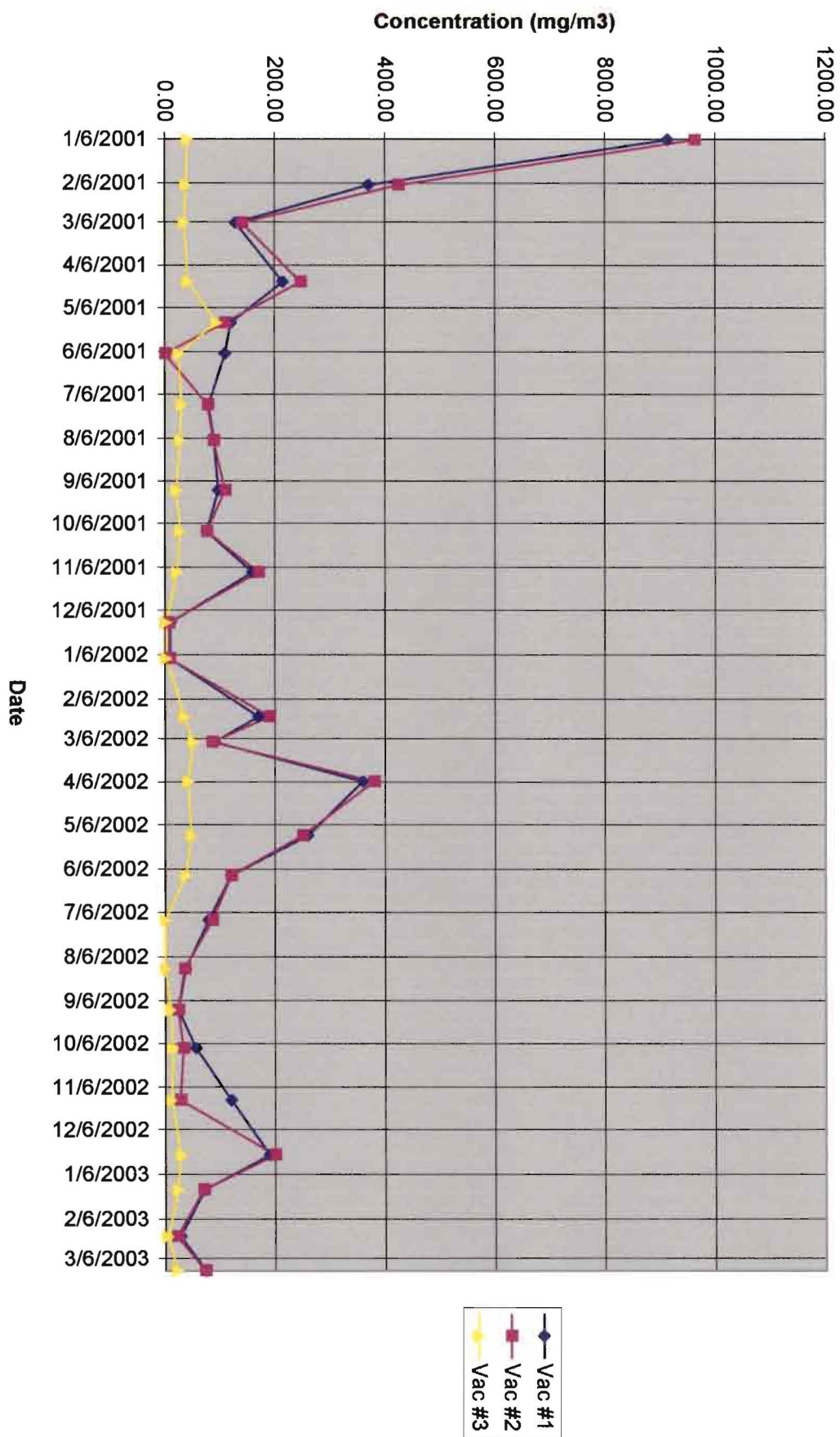
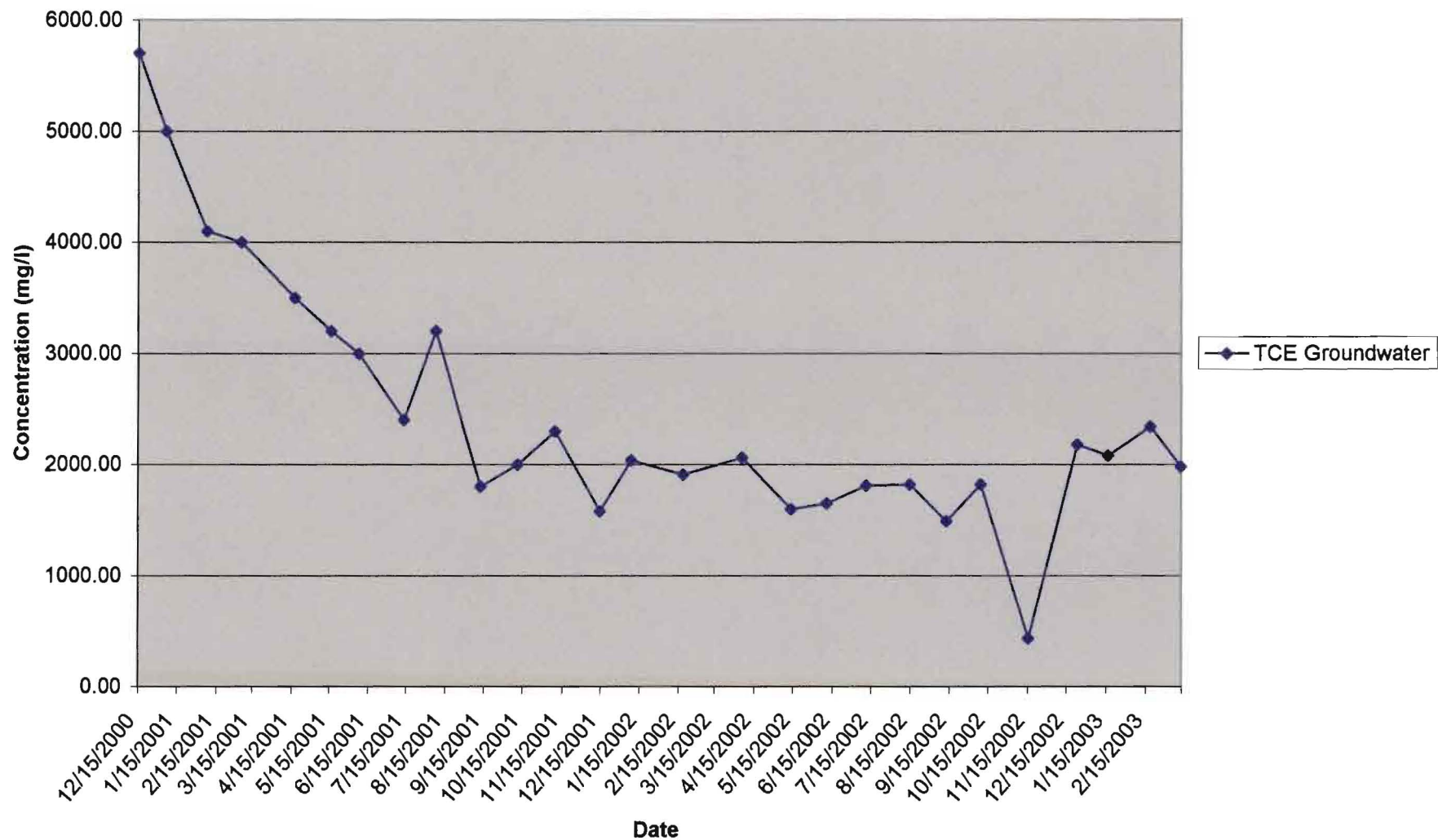


Figure 9
System TCE Influent Groundwater Results



APPENDIX B

LABORATORY REPORTS

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March 18, 2003
Analytical Data

3/26/03

MACTEC ENGINEERING 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: 324285.

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.

Page 1

Sample Identification	Lab Number	Collection Date
QATB01	03-A40429	3/18/03
QAFB01	03-A40430	3/18/03
QARB01	03-A40431	3/18/03
W-2	03-A40432	3/18/03
TW-04	03-A40433	3/18/03
TW-17	03-A40434	3/18/03

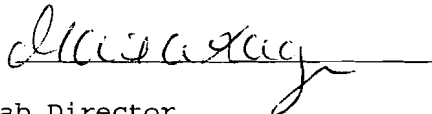
Sample Identification

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: 3/26/03

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

ANALYTICAL REPORT

MACTEC ENGINEERNIG AND CONSULT 4997

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

Lab Number: 03-A40429
Sample ID: QATB01
Sample Type: Ground water
Site ID:

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

Date Collected: 3/18/03
Time Collected:
Date Received: 3/19/03
Time Received: 8:30
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	3/21/03	21:03	S. Davis	8260B	4092
Benzene	ND	mg/l	0.0010	1	3/21/03	21:03	S. Davis	8260B	4092
Bromobenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Bromochloromethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Bromoform	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Bromomethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
2-Butanone	ND	mg/l	0.0250	1	3/21/03	21:03	S. Davis	8260B	4092
n-Butylbenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
sec-Butylbenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
t-Butylbenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Carbon disulfide	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Carbon tetrachloride	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Chlorobenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Chloroethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Chloroform	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Chloromethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
2-Chlorotoluene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
4-Chlorotoluene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/21/03	21:03	S. Davis	8260B	4092
Dibromochloromethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Dibromomethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40429

Sample ID: QATB01

Project: 51870.9

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Ethylbenzene	ND	mg/l	0.0010	1	3/21/03	21:03	S. Davis	8260B	4092
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
2-Hexanone	ND	mg/l	0.00500	1	3/21/03	21:03	S. Davis	8260B	4092
Isopropylbenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/21/03	21:03	S. Davis	8260B	4092
Methylene chloride	ND	mg/l	0.00250	1	3/21/03	21:03	S. Davis	8260B	4092
Naphthalene	ND	mg/l	0.00500	1	3/21/03	21:03	S. Davis	8260B	4092
n-Propylbenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Styrene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Tetrachloroethene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Toluene	ND	mg/l	0.0010	1	3/21/03	21:03	S. Davis	8260B	4092
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Trichloroethene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/21/03	21:03	S. Davis	8260B	4092
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Vinyl chloride	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092
Xylenes (Total)	ND	mg/l	0.0010	1	3/21/03	21:03	S. Davis	8260B	4092
Bromodichloromethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092

Report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40429
Sample ID: QATB01
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/21/03	21:03	S. Davis	8260B	4092

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	73. - 133.
VOA Surr Toluene-d8	96.	80. - 121.
VOA Surr, 4-BFB	127.	80. - 128.
VOA Surr, DBFM	88.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A40430
Sample ID: QAFB01
Sample Type: Ground water
Site ID:

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

Date Collected: 3/18/03
Time Collected: 10:42
Date Received: 3/19/03
Time Received: 8:30
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	3/23/03	2:46	S. Davis	8260B	4656
Benzene	ND	mg/l	0.0010	1	3/23/03	2:46	S. Davis	8260B	4656
Bromobenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Bromochloromethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Bromoform	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Bromomethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
2-Butanone	ND	mg/l	0.0250	1	3/23/03	2:46	S. Davis	8260B	4656
n-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
sec-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
t-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Carbon disulfide	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Carbon tetrachloride	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Chlorobenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Chloroethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Chloroform	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Chloromethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
2-Chlorotoluene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
4-Chlorotoluene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/23/03	2:46	S. Davis	8260B	4656
Dibromochloromethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Dibromomethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40430
Sample ID: QAFB01
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Ethylbenzene	ND	mg/l	0.0010	1	3/23/03	2:46	S. Davis	8260B	4656
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
2-Hexanone	ND	mg/l	0.00500	1	3/23/03	2:46	S. Davis	8260B	4656
Isopropylbenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/23/03	2:46	S. Davis	8260B	4656
Methylene chloride	ND	mg/l	0.00250	1	3/23/03	2:46	S. Davis	8260B	4656
Naphthalene	ND	mg/l	0.00500	1	3/23/03	2:46	S. Davis	8260B	4656
n-Propylbenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Styrene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Tetrachloroethene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Toluene	ND	mg/l	0.0010	1	3/23/03	2:46	S. Davis	8260B	4656
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Trichloroethene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/23/03	2:46	S. Davis	8260B	4656
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Vinyl chloride	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656
Xylenes (Total)	ND	mg/l	0.0010	1	3/23/03	2:46	S. Davis	8260B	4656
Bromodichloromethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40430
Sample ID: QAFB01
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/23/03	2:46	S. Davis	8260B	4656

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	94.	73. - 133.
VOA Surr Toluene-d8	93.	80. - 121.
VOA Surr, 4-BFB	88.	80. - 128.
VOA Surr, DBFM	95.	81. - 121.

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.

ANALYTICAL REPORT

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

Lab Number: 03-A40431
Sample ID: QARB01
Sample Type: Ground water
Site ID:

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

Date Collected: 3/18/03
Time Collected: 10:52
Date Received: 3/19/03
Time Received: 8:30
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	3/23/03	9:53	S. Davis	8260B	4670
Benzene	ND	mg/l	0.0010	1	3/23/03	9:53	S. Davis	8260B	4670
Bromobenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Bromochloromethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Bromoform	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Bromomethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
2-Butanone	ND	mg/l	0.0250	1	3/23/03	9:53	S. Davis	8260B	4670
n-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
sec-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
t-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Carbon disulfide	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Carbon tetrachloride	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Chlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Chloroethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Chloroform	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Chloromethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
2-Chlorotoluene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
4-Chlorotoluene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/23/03	9:53	S. Davis	8260B	4670
Dibromochloromethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Dibromomethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40431
Sample ID: QARB01
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Ethylbenzene	ND	mg/l	0.0010	1	3/23/03	9:53	S. Davis	8260B	4670
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
2-Hexanone	ND	mg/l	0.00500	1	3/23/03	9:53	S. Davis	8260B	4670
Isopropylbenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/23/03	9:53	S. Davis	8260B	4670
Methylene chloride	ND	mg/l	0.00250	1	3/23/03	9:53	S. Davis	8260B	4670
Naphthalene	ND	mg/l	0.00500	1	3/23/03	9:53	S. Davis	8260B	4670
n-Propylbenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Styrene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Tetrachloroethene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Toluene	ND	mg/l	0.0010	1	3/23/03	9:53	S. Davis	8260B	4670
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Trichloroethene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/23/03	9:53	S. Davis	8260B	4670
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Vinyl chloride	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670
Xylenes (Total)	ND	mg/l	0.0010	1	3/23/03	9:53	S. Davis	8260B	4670
Bromodichloromethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40431
Sample ID: QARB01
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/23/03	9:53	S. Davis	8260B	4670

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	93.	73. - 133.
VOA Surr Toluene-d8	95.	80. - 121.
VOA Surr, 4-BFB	128.	80. - 128.
VOA Surr, DBFM	95.	81. - 121.

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.

ANALYTICAL REPORT

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

Lab Number: 03-A40432
Sample ID: W-2
Sample Type: Ground water
Site ID:

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

Date Collected: 3/18/03
Time Collected: 11:55
Date Received: 3/19/03
Time Received: 8:30
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS GC PARAMETERS									
Carbon Dioxide	ND	mg/l	3.0	1	3/21/03	1:00	T. Beverly	SM4500C02C	396
MISCELLANEOUS CHEMISTRY									
Total Organic Carbon	1.02	mg/l	1.00	1	3/22/03	8:46	M. Checolle	415.1	1036
Chloride	11.9	mg/l	1.00	1	3/24/03	14:13	S. Duncan	325.2	1008

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.

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Project: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Sampler: JANNA PEEVLER

Lab Number: 03-A40433

Sample ID: TW-04

Sample Type: Ground water

Site ID:

Date Collected: 3/18/03

Time Collected: 14:50

Date Received: 3/19/03

Time Received: 8:30

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	3/23/03	10:22	S. Davis	8260B	4670
Benzene	ND	mg/l	0.0010	1	3/23/03	10:22	S. Davis	8260B	4670
Bromobenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Bromochloromethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Bromoform	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Bromomethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
2-Butanone	ND	mg/l	0.0250	1	3/23/03	10:22	S. Davis	8260B	4670
n-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
sec-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
t-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Carbon disulfide	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Carbon tetrachloride	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Chlorobenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Chloroethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Chloroform	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Chloromethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
2-Chlorotoluene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
4-Chlorotoluene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/23/03	10:22	S. Davis	8260B	4670
Dibromochloromethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Dibromomethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40433

Sample ID: TW-04

Project: 51870.9

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Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Ethylbenzene	ND	mg/l	0.0010	1	3/23/03	10:22	S. Davis	8260B	4670
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
2-Hexanone	ND	mg/l	0.00500	1	3/23/03	10:22	S. Davis	8260B	4670
Isopropylbenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/23/03	10:22	S. Davis	8260B	4670
Methylene chloride	ND	mg/l	0.00250	1	3/23/03	10:22	S. Davis	8260B	4670
Naphthalene	ND	mg/l	0.00500	1	3/23/03	10:22	S. Davis	8260B	4670
n-Propylbenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Styrene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Tetrachloroethene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Toluene	ND	mg/l	0.0010	1	3/23/03	10:22	S. Davis	8260B	4670
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Trichloroethene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/23/03	10:22	S. Davis	8260B	4670
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Vinyl chloride	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
Xylenes (Total)	ND	mg/l	0.0010	1	3/23/03	10:22	S. Davis	8260B	4670
Bromodichloromethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40433

Sample ID: TW-04

Project: 51870.9

Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/23/03	10:22	S. Davis	8260B	4670
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	3/21/03	10:41	K. Burritt	RSK175M	1912
Carbon Dioxide	7.2	mg/l	3.0	1	3/21/03	1:00	T. Beverly	SM4500CO2C	396
Ethene	ND	mg/L	0.026	1	3/21/03	10:41	K. Burritt	RSK175M	1912
Ethane	ND	mg/L	0.026	1	3/21/03	10:41	K. Burritt	RSK175M	1912
METALS									
Iron	0.322	mg/l	0.0500	1	3/21/03	21:12	G. McCord	6010B	1076
Ferrous Iron	0.191	mg/l	0.100	1	3/19/03	19:11	R. Kaminski	3500D	391
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1	3/20/03	1:35	W. Choate	353.2	387
Sulfate	225.	mg/l	10.0	10	3/26/03	11:47	M. Shockley	375.4	5058
Alkalinity as CaCO3	284.	mg/l	5.00	1	3/19/03	16:48	G. Baun	310.1	397
Total Organic Carbon	1.71	mg/l	1.00	1	3/22/03	8:46	M. Checologie	415.1	1036
Sulfide	ND	mg/l	1.000	1	3/25/03	15:30	B. Yanna	376.1	3762
Chloride	9.89	mg/l	1.00	1	3/24/03	14:14	S. Duncan	325.2	1008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	73. - 133.
VOA Surr Toluene-d8	96.	80. - 121.
VOA Surr, 4-BFB	83.	80. - 128.
VOA Surr, DBFM	95.	81. - 121.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40433
Sample ID: TW-04
Project: 51870.9
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LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

M = Method RSK175 modified for use with Headspace analyzer.

Sample for Ferrous Iron analysis received outside method
prescribed holding time.

End of Sample Report.

ANALYTICAL REPORT

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

Lab Number: 03-A40434
Sample ID: TW-17
Sample Type: Ground water
Site ID:

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

Date Collected: 3/18/03
Time Collected: 15:53
Date Received: 3/19/03
Time Received: 8:30
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	3/23/03	9:25	S. Davis	8260B	4670
Benzene	ND	mg/l	0.0010	1	3/23/03	9:25	S. Davis	8260B	4670
Bromobenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Bromochloromethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Bromoform	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Bromomethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
2-Butanone	ND	mg/l	0.0250	1	3/23/03	9:25	S. Davis	8260B	4670
n-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
sec-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
t-Butylbenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Carbon disulfide	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Carbon tetrachloride	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Chlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Chloroethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Chloroform	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Chloromethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
2-Chlorotoluene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
4-Chlorotoluene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/23/03	9:25	S. Davis	8260B	4670
Dibromochloromethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Dibromomethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40434
Sample ID: TW-17
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Ethylbenzene	ND	mg/l	0.0010	1	3/23/03	9:25	S. Davis	8260B	4670
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
2-Hexanone	ND	mg/l	0.00500	1	3/23/03	9:25	S. Davis	8260B	4670
Isopropylbenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/23/03	9:25	S. Davis	8260B	4670
Methylene chloride	ND	mg/l	0.00250	1	3/23/03	9:25	S. Davis	8260B	4670
Naphthalene	ND	mg/l	0.00500	1	3/23/03	9:25	S. Davis	8260B	4670
n-Propylbenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Styrene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Tetrachloroethene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Toluene	ND	mg/l	0.0010	1	3/23/03	9:25	S. Davis	8260B	4670
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Trichloroethene	0.379	mg/l	0.0100	10	3/24/03	16:25	S. Davis	8260B	4677
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/23/03	9:25	S. Davis	8260B	4670
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Vinyl chloride	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
Xylenes (Total)	ND	mg/l	0.0010	1	3/23/03	9:25	S. Davis	8260B	4670
Bromodichloromethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40434
Sample ID: TW-17
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/23/03	9:25	S. Davis	8260B	4670
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	3/21/03	10:47	K. Burritt	RSK175M	1912
Carbon Dioxide	ND	mg/l	3.0	1	3/21/03	1:00	T. Beverly	SM4500CO2C	396
Ethene	ND	mg/L	0.026	1	3/21/03	10:47	K. Burritt	RSK175M	1912
Ethane	ND	mg/L	0.026	1	3/21/03	10:47	K. Burritt	RSK175M	1912
METALS									
Iron	0.272	mg/l	0.0500	1	3/21/03	21:12	G. McCord	6010B	1076
Ferrous Iron	ND	mg/l	0.100	1	3/19/03	19:11	R. Kaminski	3500D	391
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1	3/20/03	1:35	W. Choate	353.2	387
Sulfate	90.5	mg/l	5.00	5	3/26/03	11:47	M. Shockley	375.4	5058
Alkalinity as CaCO3	297.	mg/l	5.00	1	3/19/03	16:48	G. Baun	310.1	397
Total Organic Carbon	1.85	mg/l	1.00	1	3/22/03	8:46	M. Checalle	415.1	1036
Sulfide	ND	mg/l	1.000	1	3/25/03	15:30	B. Yanna	376.1	3762
Chloride	14.4	mg/l	1.00	1	3/24/03	14:14	S. Duncan	325.2	1008

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	73. - 133.
VOA Surr Toluene-d8	127. #	80. - 121.
VOA Surr, 4-BFB	80.	80. - 128.
VOA Surr, DBFM	92.	81. - 121.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A40434
Sample ID: TW-17
Project: 51870.9
Page 4

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
= Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175 modified for use with Headspace analyzer.
Sample for Ferrous Iron analysis received outside method
prescribed holding time.

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 1

Laboratory Receipt Date: 3/19/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS								
Benzene	mg/l	< 0.0005	0.0530	0.0500	106	78. - 132.	4092	BLANK
Benzene	mg/l	< 0.0005	0.0513	0.0500	103	78. - 132.	4656	BLANK
Benzene	mg/l	< 0.0010	0.0532	0.0500	106	78. - 132.	4670	03-A40434
Chlorobenzene	mg/l	< 0.00020	0.0545	0.0500	109	79. - 124.	4092	BLANK
Chlorobenzene	mg/l	< 0.00020	0.0495	0.0500	99	79. - 124.	4656	BLANK
Chlorobenzene	mg/l	< 0.00100	0.0519	0.0500	104	79. - 124.	4670	03-A40434
1,1-Dichloroethene	mg/l	< 0.00060	0.0491	0.0500	98	68. - 141.	4092	BLANK
1,1-Dichloroethene	mg/l	< 0.00060	0.0428	0.0500	86	68. - 141.	4656	BLANK
1,1-Dichloroethene	mg/l	< 0.00100	0.0616	0.0500	123	68. - 141.	4670	03-A40434
Toluene	mg/l	< 0.0006	0.0463	0.0500	93	77. - 134.	4092	BLANK
Toluene	mg/l	< 0.0006	0.0408	0.0500	82	77. - 134.	4656	BLANK
Toluene	mg/l	< 0.0010	0.0712	0.0500	142#	77. - 134.	4670	03-A40434
Trichloroethene	mg/l	< 0.00040	0.0558	0.0500	112	73. - 137.	4092	BLANK
Trichloroethene	mg/l	< 0.00040	0.0534	0.0500	107	73. - 137.	4656	BLANK
Trichloroethene	mg/l	< 0.00040	0.0534	0.0500	107	73. - 137.	4677	BLANK
Tetrachloroethene	mg/l	< 0.00040	0.0563	0.0500	113	72. - 136.	4092	BLANK
Tetrachloroethene	mg/l	< 0.00040	0.0501	0.0500	100	72. - 136.	4656	BLANK
Tetrachloroethene	mg/l	< 0.00100	0.0681	0.0500	136#	72. - 136.	4670	03-A40434
VOA Surr 1,2-DCA-d4	% Rec				78	73. - 133.	4092	
VOA Surr 1,2-DCA-d4	% Rec				93	73. - 133.	4656	
VOA Surr 1,2-DCA-d4	% Rec				97	73. - 133.	4670	
VOA Surr 1,2-DCA-d4	% Rec				93	73. - 133.	4677	
VOA Surr Toluene-d8	% Rec				95	80. - 121.	4092	
VOA Surr Toluene-d8	% Rec				92	80. - 121.	4656	
VOA Surr Toluene-d8	% Rec				122	80. - 121.	4670	
VOA Surr Toluene-d8	% Rec				92	80. - 121.	4677	
VOA Surr, 4-BFB	% Rec				88	80. - 128.	4092	

Project QC continued . . .

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VOA Surr, 4-BFB	% Rec	67	80. - 128.	4656
VOA Surr, 4-BFB	% Rec	67	80. - 128.	4670
VOA Surr, 4-BFB	% Rec	67	80. - 128.	4677
VOA Surr, DBFM	% Rec	82	81. - 121.	4092
VOA Surr, DBFM	% Rec	98	81. - 121.	4656
VOA Surr, DBFM	% Rec	101	81. - 121.	4670
VOA Surr, DBFM	% Rec	98	81. - 121.	4677

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
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METALS

Iron	mg/l	0.125	1.13	1.00	100	80 - 120	1076	Duplicate
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Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
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MISC PARAMETERS

Nitrate-N as N	mg/l	< 0.100	5.69	5.50	103	80 - 120	387	03-A40418
Nitrate-N as N	mg/l	< 0.100	5.70	5.50	104	80 - 120	387	03-A40418
Sulfate	mg/l	90.5	196.	100.	106	80 - 120	5058	03-A40434
Total Organic Carbon	mg/l	1.02	23.9	20.0	114	80 - 120	1036	03-A40432
Sulfide	mg/l	< 1.000	20.60	20.00	103	80 - 120	3762	03-A40803

Project QC continued . . .

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Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
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Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
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MISC PARAMETERS

Methane	mg/L	< 0.026	1.13	1.33	85	40 - 140	1912	03-A40433
Ethene	mg/L	< 0.026	1.98	2.32	85	40 - 140	1912	03-A40433
Ethane	mg/L	< 0.026	2.12	2.50	85	40 - 140	1912	03-A40433

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
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VOA PARAMETERS

Benzene	mg/l	0.0530	0.0531	0.19	15.	4092
Benzene	mg/l	0.0513	0.0512	0.20	15.	4656
Benzene	mg/l	0.0532	0.0536	0.75	15.	4670
Chlorobenzene	mg/l	0.0545	0.0548	0.55	16.	4092
Chlorobenzene	mg/l	0.0495	0.0503	1.60	16.	4656
Chlorobenzene	mg/l	0.0519	0.0496	4.53	16.	4670
1,1-Dichloroethene	mg/l	0.0491	0.0505	2.81	19.	4092
1,1-Dichloroethene	mg/l	0.0428	0.0456	6.33	19.	4656
1,1-Dichloroethene	mg/l	0.0616	0.0620	0.65	19.	4670
Toluene	mg/l	0.0463	0.0462	0.22	16.	4092
Toluene	mg/l	0.0408	0.0425	4.08	16.	4656

Project QC continued . . .

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Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch

Toluene	mg/l	0.0712	0.0529	29.49#	16.	4670
Trichloroethene	mg/l	0.0558	0.0573	2.65	20.	4092
Trichloroethene	mg/l	0.0534	0.0524	1.89	20.	4656
Trichloroethene	mg/l	0.644	0.653	1.39	20.	4670
Trichloroethene	mg/l	0.0534	0.0524	1.89	20.	4677
Tetrachloroethene	mg/l	0.0563	0.0570	1.24	23.	4092
Tetrachloroethene	mg/l	0.0501	0.0508	1.39	23.	4656
Tetrachloroethene	mg/l	0.0681	0.0508	29.10#	23.	4670
VOA Surr 1,2-DCA-d4	% Rec		79.			4092
VOA Surr 1,2-DCA-d4	% Rec		94.			4656
VOA Surr 1,2-DCA-d4	% Rec		96.			4670
VOA Surr 1,2-DCA-d4	% Rec		94.			4677
VOA Surr Toluene-d8	% Rec		96.			4092
VOA Surr Toluene-d8	% Rec		97.			4656
VOA Surr Toluene-d8	% Rec		92.			4670
VOA Surr Toluene-d8	% Rec		97.			4677
VOA Surr, 4-BFB	% Rec		89.			4092
VOA Surr, 4-BFB	% Rec		70.			4656
VOA Surr, 4-BFB	% Rec		66.			4670
VOA Surr, 4-BFB	% Rec		70.			4677
VOA Surr, DBFM	% Rec		83.			4092
VOA Surr, DBFM	% Rec		94.			4656
VOA Surr, DBFM	% Rec		100.			4670
VOA Surr, DBFM	% Rec		94.			4677

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch

METALS

Project QC continued . . .

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Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Iron	mg/l	1.13	1.13	0.00	20	1076

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
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MISC PARAMETERS

Methane	mg/L	1.13	1.12	0.89	50	1912
Ethene	mg/L	1.98	1.99	0.50	50	1912
Ethane	mg/L	2.12	2.12	0.00	50	1912

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
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MISC PARAMETERS

Nitrate-N as N	mg/l	5.69	5.70	0.18	20	387
Sulfate	mg/l	196.	196.	0.00	20	5058
Sulfide	mg/l	20.60	20.40	0.98	20	3762

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
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VOA PARAMETERS

Acetone	mg/l	0.250	0.259	104	60 - 154	4092
Acetone	mg/l	0.250	0.232	93	60 - 154	4656
Acetone	mg/l	0.250	0.228	91	60 - 154	4670

Project QC continued . . .

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Benzene	mg/l	0.0500	0.0546	109	78 - 127	4092
Benzene	mg/l	0.0500	0.0526	105	78 - 127	4656
Benzene	mg/l	0.0500	0.0509	102	78 - 127	4670
Bromobenzene	mg/l	0.0500	0.0587	117	80 - 120	4092
Bromobenzene	mg/l	0.0500	0.0532	106	80 - 120	4656
Bromobenzene	mg/l	0.0500	0.0505	101	80 - 120	4670
Bromochloromethane	mg/l	0.0500	0.0507	101	66 - 137	4092
Bromochloromethane	mg/l	0.0500	0.0490	98	66 - 137	4656
Bromochloromethane	mg/l	0.0500	0.0501	100	66 - 137	4670
Bromoform	mg/l	0.0500	0.0529	106	66 - 129	4092
Bromoform	mg/l	0.0500	0.0421	84	66 - 129	4656
Bromoform	mg/l	0.0500	0.0397	79	66 - 129	4670
Bromomethane	mg/l	0.0500	0.0487	97	47 - 163	4092
Bromomethane	mg/l	0.0500	0.0362	72	47 - 163	4656
Bromomethane	mg/l	0.0500	0.0375	75	47 - 163	4670
2-Butanone	mg/l	0.250	0.258	103	75 - 140	4092
2-Butanone	mg/l	0.250	0.229	92	75 - 140	4656
2-Butanone	mg/l	0.250	0.228	91	75 - 140	4670
n-Butylbenzene	mg/l	0.0500	0.0523	105	61 - 131	4092
n-Butylbenzene	mg/l	0.0500	0.0426	85	61 - 131	4656
n-Butylbenzene	mg/l	0.0500	0.0389	78	61 - 131	4670
sec-Butylbenzene	mg/l	0.0500	0.0499	100	72 - 124	4092
sec-Butylbenzene	mg/l	0.0500	0.0482	96	72 - 124	4656
sec-Butylbenzene	mg/l	0.0500	0.0413	83	72 - 124	4670
t-Butylbenzene	mg/l	0.0500	0.0505	101	74 - 123	4092
t-Butylbenzene	mg/l	0.0500	0.0473	95	74 - 123	4656
t-Butylbenzene	mg/l	0.0500	0.0390	78	74 - 123	4670
Carbon disulfide	mg/l	0.0500	0.0477	95	67 - 138	4092
Carbon disulfide	mg/l	0.0500	0.0438	88	67 - 138	4656
Carbon disulfide	mg/l	0.0500	0.0426	85	67 - 138	4670
Carbon tetrachloride	mg/l	0.0500	0.0532	106	69 - 132	4092

Project QC continued . . .

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Carbon tetrachloride	mg/l	0.0500	0.0442	88	69 - 132	4656
Carbon tetrachloride	mg/l	0.0500	0.0435	87	69 - 132	4670
Chlorobenzene	mg/l	0.0500	0.0570	114	81 - 120	4092
Chlorobenzene	mg/l	0.0500	0.0511	102	81 - 120	4656
Chlorobenzene	mg/l	0.0500	0.0496	99	81 - 120	4670
Chloroethane	mg/l	0.0500	0.0571	114	65 - 134	4092
Chloroethane	mg/l	0.0500	0.0543	109	65 - 134	4656
Chloroethane	mg/l	0.0500	0.0552	110	65 - 134	4670
Chloroform	mg/l	0.0500	0.0571	114	77 - 125	4092
Chloroform	mg/l	0.0500	0.0563	113	77 - 125	4656
Chloroform	mg/l	0.0500	0.0545	109	77 - 125	4670
Chloromethane	mg/l	0.0500	0.0478	96	43 - 142	4092
Chloromethane	mg/l	0.0500	0.0589	118	43 - 142	4656
Chloromethane	mg/l	0.0500	0.0523	105	43 - 142	4670
2-Chlorotoluene	mg/l	0.0500	0.0511	102	76 - 126	4092
2-Chlorotoluene	mg/l	0.0500	0.0472	94	76 - 126	4656
2-Chlorotoluene	mg/l	0.0500	0.0379	76 #	76 - 126	4670
4-Chlorotoluene	mg/l	0.0500	0.0522	104	79 - 123	4092
4-Chlorotoluene	mg/l	0.0500	0.0421	84	79 - 123	4656
4-Chlorotoluene	mg/l	0.0500	0.0339	68 #	79 - 123	4670
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0546	109	64 - 132	4092
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0445	89	64 - 132	4656
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0465	93	64 - 132	4670
Dibromochloromethane	mg/l	0.0500	0.0540	108	78 - 124	4092
Dibromochloromethane	mg/l	0.0500	0.0443	89	78 - 124	4656
Dibromochloromethane	mg/l	0.0500	0.0427	85	78 - 124	4670
1,2-Dibromoethane	mg/l	0.0500	0.0573	115	79 - 126	4092
1,2-Dibromoethane	mg/l	0.0500	0.0542	108	79 - 126	4656
1,2-Dibromoethane	mg/l	0.0500	0.0550	110	79 - 126	4670
Dibromomethane	mg/l	0.0500	0.0581	116	75 - 131	4092
Dibromomethane	mg/l	0.0500	0.0558	112	75 - 131	4656

Project QC continued . . .

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Dibromomethane	mg/l	0.0500	0.0570	114	75 - 131	4670
1,2-Dichlorobenzene	mg/l	0.0500	0.0518	104	80 - 120	4092
1,2-Dichlorobenzene	mg/l	0.0500	0.0452	90	80 - 120	4656
1,2-Dichlorobenzene	mg/l	0.0500	0.0436	87	80 - 120	4670
1,3-Dichlorobenzene	mg/l	0.0500	0.0513	103	79 - 120	4092
1,3-Dichlorobenzene	mg/l	0.0500	0.0455	91	79 - 120	4656
1,3-Dichlorobenzene	mg/l	0.0500	0.0453	91	79 - 120	4670
1,4-Dichlorobenzene	mg/l	0.0500	0.0566	113	78 - 118	4092
1,4-Dichlorobenzene	mg/l	0.0500	0.0492	98	78 - 118	4656
1,4-Dichlorobenzene	mg/l	0.0500	0.0475	95	78 - 118	4670
Dichlorodifluoromethane	mg/l	0.0500	0.0709	142	45 - 149	4092
Dichlorodifluoromethane	mg/l	0.0500	0.0635	127	45 - 149	4656
Dichlorodifluoromethane	mg/l	0.0500	0.0576	115	45 - 149	4670
1,1-Dichloroethane	mg/l	0.0500	0.0545	109	73 - 128	4092
1,1-Dichloroethane	mg/l	0.0500	0.0511	102	73 - 128	4656
1,1-Dichloroethane	mg/l	0.0500	0.0495	99	73 - 128	4670
1,2-Dichloroethane	mg/l	0.0500	0.0600	120	71 - 135	4092
1,2-Dichloroethane	mg/l	0.0500	0.0547	109	71 - 135	4656
1,2-Dichloroethane	mg/l	0.0500	0.0526	105	71 - 135	4670
1,1-Dichloroethene	mg/l	0.0500	0.0490	98	72 - 128	4092
1,1-Dichloroethene	mg/l	0.0500	0.0548	110	72 - 128	4656
1,1-Dichloroethene	mg/l	0.0500	0.0554	111	72 - 128	4670
cis-1,2-Dichloroethene	mg/l	0.0500	0.0587	117	76 - 127	4092
cis-1,2-Dichloroethene	mg/l	0.0500	0.0531	106	76 - 127	4656
cis-1,2-Dichloroethene	mg/l	0.0500	0.0500	100	76 - 127	4670
trans-1,2-Dichloroethene	mg/l	0.0500	0.0577	115	71 - 131	4092
trans-1,2-Dichloroethene	mg/l	0.0500	0.0540	108	71 - 131	4656
trans-1,2-Dichloroethene	mg/l	0.0500	0.0528	106	71 - 131	4670
1,2-Dichloropropane	mg/l	0.0500	0.0531	106	75 - 127	4092
1,2-Dichloropropane	mg/l	0.0500	0.0534	107	75 - 127	4656
1,2-Dichloropropane	mg/l	0.0500	0.0523	105	75 - 127	4670

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,3-Dichloropropane	mg/l	0.0500	0.0596	119	81 - 128	4092
1,3-Dichloropropane	mg/l	0.0500	0.0558	112	81 - 128	4656
1,3-Dichloropropane	mg/l	0.0500	0.0544	109	81 - 128	4670
2,2-Dichloropropane	mg/l	0.0500	0.0547	109	45 - 145	4092
2,2-Dichloropropane	mg/l	0.0500	0.0418	84	45 - 145	4656
2,2-Dichloropropane	mg/l	0.0500	0.0340	68	45 - 145	4670
1,1-Dichloropropene	mg/l	0.0500	0.0526	105	76 - 127	4092
1,1-Dichloropropene	mg/l	0.0500	0.0440	88	76 - 127	4656
1,1-Dichloropropene	mg/l	0.0500	0.0424	85	76 - 127	4670
cis-1,3-Dichloropropene	mg/l	0.0500	0.0517	103	72 - 131	4092
cis-1,3-Dichloropropene	mg/l	0.0500	0.0448	90	72 - 131	4656
cis-1,3-Dichloropropene	mg/l	0.0500	0.0423	85	72 - 131	4670
trans-1,3-Dichloropropene	mg/l	0.0500	0.0538	108	69 - 131	4092
trans-1,3-Dichloropropene	mg/l	0.0500	0.0444	89	69 - 131	4656
trans-1,3-Dichloropropene	mg/l	0.0500	0.0413	83	69 - 131	4670
Ethylbenzene	mg/l	0.0500	0.0515	103	78 - 125	4092
Ethylbenzene	mg/l	0.0500	0.0476	95	78 - 125	4656
Ethylbenzene	mg/l	0.0500	0.0450	90	78 - 125	4670
Hexachlorobutadiene	mg/l	0.0500	0.0503	101	59 - 126	4092
Hexachlorobutadiene	mg/l	0.0500	0.0473	95	59 - 126	4656
Hexachlorobutadiene	mg/l	0.0500	0.0438	88	59 - 126	4670
2-Hexanone	mg/l	0.250	0.271	108	71 - 142	4092
2-Hexanone	mg/l	0.250	0.220	88	71 - 142	4656
2-Hexanone	mg/l	0.250	0.207	83	71 - 142	4670
Isopropylbenzene	mg/l	0.0500	0.0510	102	78 - 123	4092
Isopropylbenzene	mg/l	0.0500	0.0402	80	78 - 123	4656
Isopropylbenzene	mg/l	0.0500	0.0393	79	78 - 123	4670
4-Isopropyltoluene	mg/l	0.0500	0.0516	103	73 - 125	4092
4-Isopropyltoluene	mg/l	0.0500	0.0438	88	73 - 125	4656
4-Isopropyltoluene	mg/l	0.0500	0.0423	85	73 - 125	4670
4-Methyl-2-pentanone	mg/l	0.250	0.270	108	71 - 141	4092

Project QC continued . . .

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
4-Methyl-2-pentanone	mg/l	0.250	0.444	178 #	71 - 141	4656
4-Methyl-2-pentanone	mg/l	0.250	0.437	175 #	71 - 141	4670
Methylene chloride	mg/l	0.0500	0.0490	98	70 - 140	4092
Methylene chloride	mg/l	0.0500	0.0492	98	70 - 140	4656
Methylene chloride	mg/l	0.0500	0.0502	100	70 - 140	4670
Naphthalene	mg/l	0.0500	0.0551	110	52 - 140	4092
Naphthalene	mg/l	0.0500	0.0478	96	52 - 140	4656
Naphthalene	mg/l	0.0500	0.0466	93	52 - 140	4670
n-Propylbenzene	mg/l	0.0500	0.0509	102	75 - 125	4092
n-Propylbenzene	mg/l	0.0500	0.0462	92	75 - 125	4656
n-Propylbenzene	mg/l	0.0500	0.0362	72 #	75 - 125	4670
Styrene	mg/l	0.0500	0.0518	104	82 - 122	4092
Styrene	mg/l	0.0500	0.0392	78 #	82 - 122	4656
Styrene	mg/l	0.0500	0.0388	78 #	82 - 122	4670
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0530	106	85 - 123	4092
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0441	88	85 - 123	4656
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0423	85 #	85 - 123	4670
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0510	102	74 - 133	4092
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0507	101	74 - 133	4656
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0476	95	74 - 133	4670
Tetrachloroethene	mg/l	0.0500	0.0580	116	76 - 123	4092
Tetrachloroethene	mg/l	0.0500	0.0510	102	76 - 123	4656
Tetrachloroethene	mg/l	0.0500	0.0510	102	76 - 123	4670
Toluene	mg/l	0.0500	0.0478	96	78 - 127	4092
Toluene	mg/l	0.0500	0.0557	111	78 - 127	4656
Toluene	mg/l	0.0500	0.0539	108	78 - 127	4670
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0544	109	59 - 132	4092
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0477	95	59 - 132	4656
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0468	94	59 - 132	4670
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0523	105	60 - 133	4092
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0439	88	60 - 133	4656

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/19/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0424	85	60 - 133	4670
1,1,1-Trichloroethane	mg/l	0.0500	0.0612	122	74 - 128	4092
1,1,1-Trichloroethane	mg/l	0.0500	0.0548	110	74 - 128	4656
1,1,1-Trichloroethane	mg/l	0.0500	0.0528	106	74 - 128	4670
1,1,2-Trichloroethane	mg/l	0.0500	0.0560	112	85 - 125	4092
1,1,2-Trichloroethane	mg/l	0.0500	0.0539	108	85 - 125	4656
1,1,2-Trichloroethane	mg/l	0.0500	0.0547	109	85 - 125	4670
Trichloroethene	mg/l	0.0500	0.0580	116	78 - 125	4092
Trichloroethene	mg/l	0.0500	0.0522	104	78 - 125	4656
Trichloroethene	mg/l	0.0500	0.0515	103	78 - 125	4670
Trichloroethene	mg/l	0.0500	0.0531	106	78 - 125	4677
1,2,3-Trichloropropane	mg/l	0.0500	0.0476	95	75 - 130	4092
1,2,3-Trichloropropane	mg/l	0.0500	0.0418	84	75 - 130	4656
1,2,3-Trichloropropane	mg/l	0.0500	0.0457	91	75 - 130	4670
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0505	101	77 - 122	4092
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0491	98	77 - 122	4656
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0404	81	77 - 122	4670
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0511	102	75 - 125	4092
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0418	84	75 - 125	4656
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0348	70 #	75 - 125	4670
Vinyl chloride	mg/l	0.0500	0.0523	105	61 - 140	4092
Vinyl chloride	mg/l	0.0500	0.0637	127	61 - 140	4656
Vinyl chloride	mg/l	0.0500	0.0521	104	61 - 140	4670
Xylenes (Total)	mg/l	0.150	0.157	105	77 - 126	4092
Xylenes (Total)	mg/l	0.150	0.130	87	77 - 126	4656
Xylenes (Total)	mg/l	0.150	0.132	88	77 - 126	4670
Bromodichloromethane	mg/l	0.0500	0.0573	115	79 - 126	4092
Bromodichloromethane	mg/l	0.0500	0.0544	109	79 - 126	4656
Bromodichloromethane	mg/l	0.0500	0.0546	109	79 - 126	4670
Trichlorofluoromethane	mg/l	0.0500	0.0567	113	60 - 140	4092
Trichlorofluoromethane	mg/l	0.0500	0.0456	91	60 - 140	4656

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/19/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Trichlorofluoromethane	mg/l	0.0500	0.0464	93	60 - 140	4670
Methane	mg/L	1.33	1.31	98	78 - 120	1912
Ethene	mg/L	2.32	2.31	100	76 - 108	1912
Ethane	mg/L	2.50	2.50	100	77 - 111	1912
VOA Surr 1,2-DCA-d4	% Rec			86	73 - 133	4092
VOA Surr 1,2-DCA-d4	% Rec			95	73 - 133	4656
VOA Surr 1,2-DCA-d4	% Rec			94	73 - 133	4670
VOA Surr 1,2-DCA-d4	% Rec			98	73 - 133	4677
VOA Surr Toluene-d8	% Rec			96	80 - 121	4092
VOA Surr Toluene-d8	% Rec			96	80 - 121	4656
VOA Surr Toluene-d8	% Rec			102	80 - 121	4670
VOA Surr Toluene-d8	% Rec			96	80 - 121	4677
VOA Surr, 4-BFB	% Rec			92	80 - 128	4092
VOA Surr, 4-BFB	% Rec			85	80 - 128	4656
VOA Surr, 4-BFB	% Rec			83	80 - 128	4670
VOA Surr, 4-BFB	% Rec			64	80 - 128	4677
VOA Surr, DBFM	% Rec			86	81 - 121	4092
VOA Surr, DBFM	% Rec			93	81 - 121	4656
VOA Surr, DBFM	% Rec			95	81 - 121	4670
VOA Surr, DBFM	% Rec			98	81 - 121	4677

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
METALS						
Iron	mg/l	1.00	1.13	113	80 - 120	1076

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Laboratory Receipt Date: 3/19/03

Continuing Calibration Verification

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
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METALS

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
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MISC PARAMETERS

Methane	mg/L	1.33	1.31	98	78 - 120	1912
Ethene	mg/L	2.32	2.31	100	76 - 108	1912
Ethane	mg/L	2.50	2.50	100	77 - 111	1912

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
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MISC PARAMETERS

Nitrate-N as N	mg/l	5.50	5.80	105	90 - 110	387
Sulfate	mg/l	25.0	24.3	97	90 - 110	5058
Total Organic Carbon	mg/l	200.	200.	100	90 - 110	1036
Sulfide	mg/l	20.00	20.20	101	90 - 110	3762
Chloride	mg/l	10.0	10.5	105	90 - 110	1008

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Nitrate-N as N	mg/l	< 0.100	< 0.100	N/A	15.	387	03-A40434
Sulfate	mg/l	210.	209.	0.48	15.	5058	03-A41327
Chloride	mg/l	14.4	14.4	0.00	15.	1008	03-A40434

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/19/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
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VOA PARAMETERS					
Acetone	< 0.00470	mg/l	4092	3/21/03	19:38
Acetone	< 0.00470	mg/l	4656	3/22/03	23:27
Acetone	< 0.00470	mg/l	4670	3/23/03	6:34
Benzene	< 0.0005	mg/l	4092	3/21/03	19:38
Benzene	< 0.0005	mg/l	4656	3/22/03	23:27
Benzene	< 0.0005	mg/l	4670	3/23/03	6:34
Bromobenzene	< 0.00030	mg/l	4092	3/21/03	19:38
Bromobenzene	< 0.00030	mg/l	4656	3/22/03	23:27
Bromobenzene	< 0.00030	mg/l	4670	3/23/03	6:34
Bromochloromethane	< 0.00030	mg/l	4092	3/21/03	19:38
Bromochloromethane	< 0.00030	mg/l	4656	3/22/03	23:27
Bromochloromethane	< 0.00030	mg/l	4670	3/23/03	6:34
Bromoform	< 0.00060	mg/l	4092	3/21/03	19:38
Bromoform	< 0.00060	mg/l	4656	3/22/03	23:27
Bromoform	< 0.00060	mg/l	4670	3/23/03	6:34
Bromomethane	< 0.00060	mg/l	4092	3/21/03	19:38
Bromomethane	< 0.00060	mg/l	4656	3/22/03	23:27
Bromomethane	< 0.00060	mg/l	4670	3/23/03	6:34
2-Butanone	< 0.00310	mg/l	4092	3/21/03	19:38
2-Butanone	< 0.00310	mg/l	4656	3/22/03	23:27
2-Butanone	< 0.00310	mg/l	4670	3/23/03	6:34
n-Butylbenzene	< 0.00010	mg/l	4092	3/21/03	19:38
n-Butylbenzene	< 0.00010	mg/l	4656	3/22/03	23:27
n-Butylbenzene	< 0.00010	mg/l	4670	3/23/03	6:34
sec-Butylbenzene	< 0.00030	mg/l	4092	3/21/03	19:38
sec-Butylbenzene	< 0.00030	mg/l	4656	3/22/03	23:27
sec-Butylbenzene	< 0.00030	mg/l	4670	3/23/03	6:34
t-Butylbenzene	< 0.00030	mg/l	4092	3/21/03	19:38
t-Butylbenzene	< 0.00030	mg/l	4656	3/22/03	23:27

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/19/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
t-Butylbenzene	< 0.00030	mg/l	4670	3/23/03	6:34
Carbon disulfide	< 0.00020	mg/l	4092	3/21/03	19:38
Carbon disulfide	< 0.00020	mg/l	4656	3/22/03	23:27
Carbon disulfide	< 0.00020	mg/l	4670	3/23/03	6:34
Carbon tetrachloride	< 0.00040	mg/l	4092	3/21/03	19:38
Carbon tetrachloride	< 0.00040	mg/l	4656	3/22/03	23:27
Carbon tetrachloride	< 0.00040	mg/l	4670	3/23/03	6:34
Chlorobenzene	< 0.00020	mg/l	4092	3/21/03	19:38
Chlorobenzene	< 0.00020	mg/l	4656	3/22/03	23:27
Chlorobenzene	< 0.00020	mg/l	4670	3/23/03	6:34
Chloroethane	< 0.00100	mg/l	4092	3/21/03	19:38
Chloroethane	< 0.00100	mg/l	4656	3/22/03	23:27
Chloroethane	< 0.00100	mg/l	4670	3/23/03	6:34
Chloroform	< 0.00080	mg/l	4092	3/21/03	19:38
Chloroform	< 0.00080	mg/l	4656	3/22/03	23:27
Chloroform	< 0.00080	mg/l	4670	3/23/03	6:34
Chloromethane	< 0.00070	mg/l	4092	3/21/03	19:38
Chloromethane	< 0.00070	mg/l	4656	3/22/03	23:27
Chloromethane	< 0.00070	mg/l	4670	3/23/03	6:34
2-Chlorotoluene	< 0.00040	mg/l	4092	3/21/03	19:38
2-Chlorotoluene	< 0.00040	mg/l	4656	3/22/03	23:27
2-Chlorotoluene	< 0.00040	mg/l	4670	3/23/03	6:34
4-Chlorotoluene	< 0.00050	mg/l	4092	3/21/03	19:38
4-Chlorotoluene	< 0.00050	mg/l	4656	3/22/03	23:27
4-Chlorotoluene	< 0.00050	mg/l	4670	3/23/03	6:34
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	4092	3/21/03	19:38
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	4656	3/22/03	23:27
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	4670	3/23/03	6:34
Dibromochloromethane	< 0.00050	mg/l	4092	3/21/03	19:38
Dibromochloromethane	< 0.00050	mg/l	4656	3/22/03	23:27
Dibromochloromethane	< 0.00050	mg/l	4670	3/23/03	6:34

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/19/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,2-Dibromoethane	< 0.00040	mg/l	4092	3/21/03	19:38
1,2-Dibromoethane	< 0.00040	mg/l	4656	3/22/03	23:27
1,2-Dibromoethane	< 0.00040	mg/l	4670	3/23/03	6:34
Dibromomethane	< 0.00090	mg/l	4092	3/21/03	19:38
Dibromomethane	< 0.00090	mg/l	4656	3/22/03	23:27
Dibromomethane	< 0.00090	mg/l	4670	3/23/03	6:34
1,2-Dichlorobenzene	< 0.00020	mg/l	4092	3/21/03	19:38
1,2-Dichlorobenzene	< 0.00020	mg/l	4656	3/22/03	23:27
1,2-Dichlorobenzene	< 0.00020	mg/l	4670	3/23/03	6:34
1,3-Dichlorobenzene	< 0.00030	mg/l	4092	3/21/03	19:38
1,3-Dichlorobenzene	< 0.00030	mg/l	4656	3/22/03	23:27
1,3-Dichlorobenzene	< 0.00030	mg/l	4670	3/23/03	6:34
1,4-Dichlorobenzene	< 0.00040	mg/l	4092	3/21/03	19:38
1,4-Dichlorobenzene	< 0.00040	mg/l	4656	3/22/03	23:27
1,4-Dichlorobenzene	< 0.00040	mg/l	4670	3/23/03	6:34
Dichlorodifluoromethane	< 0.00050	mg/l	4092	3/21/03	19:38
Dichlorodifluoromethane	< 0.00050	mg/l	4656	3/22/03	23:27
Dichlorodifluoromethane	< 0.00050	mg/l	4670	3/23/03	6:34
1,1-Dichloroethane	< 0.00020	mg/l	4092	3/21/03	19:38
1,1-Dichloroethane	< 0.00020	mg/l	4656	3/22/03	23:27
1,1-Dichloroethane	< 0.00020	mg/l	4670	3/23/03	6:34
1,2-Dichloroethane	< 0.00060	mg/l	4092	3/21/03	19:38
1,2-Dichloroethane	< 0.00060	mg/l	4656	3/22/03	23:27
1,2-Dichloroethane	< 0.00060	mg/l	4670	3/23/03	6:34
1,1-Dichloroethene	< 0.00060	mg/l	4092	3/21/03	19:38
1,1-Dichloroethene	< 0.00060	mg/l	4656	3/22/03	23:27
1,1-Dichloroethene	< 0.00060	mg/l	4670	3/23/03	6:34
cis-1,2-Dichloroethene	< 0.00060	mg/l	4092	3/21/03	19:38
cis-1,2-Dichloroethene	< 0.00060	mg/l	4656	3/22/03	23:27
cis-1,2-Dichloroethene	< 0.00060	mg/l	4670	3/23/03	6:34
trans-1,2-Dichloroethene	< 0.00050	mg/l	4092	3/21/03	19:38

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/19/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
trans-1,2-Dichloroethene	< 0.00050	mg/l	4656	3/22/03	23:27
trans-1,2-Dichloroethene	< 0.00050	mg/l	4670	3/23/03	6:34
1,2-Dichloropropane	< 0.00040	mg/l	4092	3/21/03	19:38
1,2-Dichloropropane	< 0.00040	mg/l	4656	3/22/03	23:27
1,2-Dichloropropane	< 0.00040	mg/l	4670	3/23/03	6:34
1,3-Dichloropropane	< 0.00040	mg/l	4092	3/21/03	19:38
1,3-Dichloropropane	< 0.00040	mg/l	4656	3/22/03	23:27
1,3-Dichloropropane	< 0.00040	mg/l	4670	3/23/03	6:34
2,2-Dichloropropane	< 0.00040	mg/l	4092	3/21/03	19:38
2,2-Dichloropropane	< 0.00040	mg/l	4656	3/22/03	23:27
2,2-Dichloropropane	< 0.00040	mg/l	4670	3/23/03	6:34
1,1-Dichloropropene	< 0.00050	mg/l	4092	3/21/03	19:38
1,1-Dichloropropene	< 0.00050	mg/l	4656	3/22/03	23:27
1,1-Dichloropropene	< 0.00050	mg/l	4670	3/23/03	6:34
cis-1,3-Dichloropropene	< 0.00030	mg/l	4092	3/21/03	19:38
cis-1,3-Dichloropropene	< 0.00030	mg/l	4656	3/22/03	23:27
cis-1,3-Dichloropropene	< 0.00030	mg/l	4670	3/23/03	6:34
trans-1,3-Dichloropropene	< 0.00050	mg/l	4092	3/21/03	19:38
trans-1,3-Dichloropropene	< 0.00050	mg/l	4656	3/22/03	23:27
trans-1,3-Dichloropropene	< 0.00050	mg/l	4670	3/23/03	6:34
Ethylbenzene	< 0.0003	mg/l	4092	3/21/03	19:38
Ethylbenzene	< 0.0003	mg/l	4656	3/22/03	23:27
Ethylbenzene	< 0.0003	mg/l	4670	3/23/03	6:34
Hexachlorobutadiene	< 0.00080	mg/l	4092	3/21/03	19:38
Hexachlorobutadiene	< 0.00080	mg/l	4656	3/22/03	23:27
Hexachlorobutadiene	< 0.00080	mg/l	4670	3/23/03	6:34
2-Hexanone	< 0.00420	mg/l	4092	3/21/03	19:38
2-Hexanone	< 0.00420	mg/l	4656	3/22/03	23:27
2-Hexanone	< 0.00420	mg/l	4670	3/23/03	6:34
Isopropylbenzene	< 0.00040	mg/l	4092	3/21/03	19:38
Isopropylbenzene	< 0.00040	mg/l	4656	3/22/03	23:27

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/19/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Isopropylbenzene	< 0.00040	mg/l	4670	3/23/03	6:34
4-Isopropyltoluene	< 0.00060	mg/l	4092	3/21/03	19:38
4-Isopropyltoluene	< 0.00060	mg/l	4656	3/22/03	23:27
4-Isopropyltoluene	< 0.00060	mg/l	4670	3/23/03	6:34
4-Methyl-2-pentanone	< 0.00490	mg/l	4092	3/21/03	19:38
4-Methyl-2-pentanone	< 0.00490	mg/l	4656	3/22/03	23:27
4-Methyl-2-pentanone	< 0.00490	mg/l	4670	3/23/03	6:34
Methylene chloride	< 0.00240	mg/l	4092	3/21/03	19:38
Methylene chloride	< 0.00240	mg/l	4656	3/22/03	23:27
Methylene chloride	< 0.00240	mg/l	4670	3/23/03	6:34
Naphthalene	< 0.00120	mg/l	4092	3/21/03	19:38
Naphthalene	< 0.00120	mg/l	4656	3/22/03	23:27
Naphthalene	< 0.00120	mg/l	4670	3/23/03	6:34
n-Propylbenzene	< 0.00030	mg/l	4092	3/21/03	19:38
n-Propylbenzene	< 0.00030	mg/l	4656	3/22/03	23:27
n-Propylbenzene	< 0.00030	mg/l	4670	3/23/03	6:34
Styrene	< 0.00040	mg/l	4092	3/21/03	19:38
Styrene	< 0.00040	mg/l	4656	3/22/03	23:27
Styrene	< 0.00040	mg/l	4670	3/23/03	6:34
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	4092	3/21/03	19:38
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	4656	3/22/03	23:27
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	4670	3/23/03	6:34
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	4092	3/21/03	19:38
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	4656	3/22/03	23:27
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	4670	3/23/03	6:34
Tetrachloroethene	< 0.00040	mg/l	4092	3/21/03	19:38
Tetrachloroethene	< 0.00040	mg/l	4656	3/22/03	23:27
Tetrachloroethene	< 0.00040	mg/l	4670	3/23/03	6:34
Toluene	< 0.0006	mg/l	4092	3/21/03	19:38
Toluene	< 0.0006	mg/l	4656	3/22/03	23:27
Toluene	< 0.0006	mg/l	4670	3/23/03	6:34

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 19

Laboratory Receipt Date: 3/19/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,2,3-Trichlorobenzene	< 0.00100	mg/l	4092	3/21/03	19:38
1,2,3-Trichlorobenzene	< 0.00100	mg/l	4656	3/22/03	23:27
1,2,3-Trichlorobenzene	< 0.00100	mg/l	4670	3/23/03	6:34
1,2,4-Trichlorobenzene	< 0.00060	mg/l	4092	3/21/03	19:38
1,2,4-Trichlorobenzene	< 0.00060	mg/l	4656	3/22/03	23:27
1,2,4-Trichlorobenzene	< 0.00060	mg/l	4670	3/23/03	6:34
1,1,1-Trichloroethane	< 0.00070	mg/l	4092	3/21/03	19:38
1,1,1-Trichloroethane	< 0.00070	mg/l	4656	3/22/03	23:27
1,1,1-Trichloroethane	< 0.00070	mg/l	4670	3/23/03	6:34
1,1,2-Trichloroethane	< 0.00040	mg/l	4092	3/21/03	19:38
1,1,2-Trichloroethane	< 0.00040	mg/l	4656	3/22/03	23:27
1,1,2-Trichloroethane	< 0.00040	mg/l	4670	3/23/03	6:34
Trichloroethene	< 0.00040	mg/l	4092	3/21/03	19:38
Trichloroethene	< 0.00040	mg/l	4656	3/22/03	23:27
Trichloroethene	< 0.00040	mg/l	4670	3/23/03	6:34
Trichloroethene	< 0.00040	mg/l	4677	3/24/03	11:38
1,2,3-Trichloropropane	< 0.00060	mg/l	4092	3/21/03	19:38
1,2,3-Trichloropropane	< 0.00060	mg/l	4656	3/22/03	23:27
1,2,3-Trichloropropane	< 0.00060	mg/l	4670	3/23/03	6:34
1,2,4-Trimethylbenzene	< 0.0003	mg/l	4092	3/21/03	19:38
1,2,4-Trimethylbenzene	< 0.0003	mg/l	4656	3/22/03	23:27
1,2,4-Trimethylbenzene	< 0.0003	mg/l	4670	3/23/03	6:34
1,3,5-Trimethylbenzene	< 0.00100	mg/l	4092	3/21/03	19:38
1,3,5-Trimethylbenzene	< 0.00100	mg/l	4656	3/22/03	23:27
1,3,5-Trimethylbenzene	< 0.00100	mg/l	4670	3/23/03	6:34
Vinyl chloride	< 0.00050	mg/l	4092	3/21/03	19:38
Vinyl chloride	< 0.00050	mg/l	4656	3/22/03	23:27
Vinyl chloride	< 0.00050	mg/l	4670	3/23/03	6:34
Xylenes (Total)	< 0.0009	mg/l	4092	3/21/03	19:38
Xylenes (Total)	< 0.0009	mg/l	4656	3/22/03	23:27
Xylenes (Total)	< 0.0009	mg/l	4670	3/23/03	6:34

Blank QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 20

Laboratory Receipt Date: 3/19/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
Bromodichloromethane	< 0.00030	mg/l	4092	3/21/03	19:38
Bromodichloromethane	< 0.00030	mg/l	4656	3/22/03	23:27
Bromodichloromethane	< 0.00030	mg/l	4670	3/23/03	6:34
Trichlorofluoromethane	< 0.00040	mg/l	4092	3/21/03	19:38
Trichlorofluoromethane	< 0.00040	mg/l	4656	3/22/03	23:27
Trichlorofluoromethane	< 0.00040	mg/l	4670	3/23/03	6:34
VOA Surr 1,2-DCA-d4	89.	% Rec	4092	3/21/03	19:38
VOA Surr 1,2-DCA-d4	94.	% Rec	4656	3/22/03	23:27
VOA Surr 1,2-DCA-d4	91.	% Rec	4670	3/23/03	6:34
VOA Surr 1,2-DCA-d4	98.	% Rec	4677	3/24/03	11:38
VOA Surr Toluene-d8	94.	% Rec	4092	3/21/03	19:38
VOA Surr Toluene-d8	93.	% Rec	4656	3/22/03	23:27
VOA Surr Toluene-d8	95.	% Rec	4670	3/23/03	6:34
VOA Surr Toluene-d8	138.	% Rec	4677	3/24/03	11:38
VOA Surr, 4-BFB	99.	% Rec	4092	3/21/03	19:38
VOA Surr, 4-BFB	91.	% Rec	4656	3/22/03	23:27
VOA Surr, 4-BFB	129.	% Rec	4670	3/23/03	6:34
VOA Surr, 4-BFB	79.	% Rec	4677	3/24/03	11:38
VOA Surr, DBFM	88.	% Rec	4092	3/21/03	19:38
VOA Surr, DBFM	95.	% Rec	4656	3/22/03	23:27
VOA Surr, DBFM	93.	% Rec	4670	3/23/03	6:34
VOA Surr, DBFM	94.	% Rec	4677	3/24/03	11:38

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
METALS					
Iron	0.0310	mg/l	1076	3/21/03	21:12

ect QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 21

Laboratory Receipt Date: 3/19/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
MISC PARAMETERS					
Nitrate-N as N	< 0.100	mg/l	387	3/20/03	1:30
Sulfate	< 1.00	mg/l	5058	3/26/03	11:47
Total Organic Carbon	< 1.00	mg/l	1036	3/22/03	8:46
Sulfide	< 1.000	mg/l	3762	3/25/03	15:30
Chloride	< 1.00	mg/l	1008	3/24/03	12:59

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
MISC PARAMETERS					
Methane	< 0.026	mg/L	1912	3/21/03	9:47
Ethene	< 0.026	mg/L	1912	3/21/03	9:47
Ethane	< 0.026	mg/L	1912	3/21/03	9:47

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 324285

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

324285

TAT ☒ 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								Analyze For:										REMARKS	QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other:	
											HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	Vals (8260)	Chloride (325.1)	alkalinity (310.1)	Carbon dioxide (4500B)	nitrate (353.2)	Sulfate (375.4)	Sulfide (376.1)	methane/ethane/ethene (8015M)	TOL (415.1)	Fe (11) (6010 Fe)				
					QATB01	3/18/03	000	G		GW	1							1											trip blank	40429	
					QAPB01	3/18/03	1042	G		GW	3							3											field blank	30	
					QAPB01	3/18/03	1052	G		GW	3							3											rinse blank	31	
					W-2	3/18/03	1155	G		GW	2				3			1		2					2						32
					TW-04	3/18/03	1450	G		GW	9	1			6			3	1	1	2	1	1	1	3	2	1				33
					TW-17	3/18/03	1553	G		GW	9	1			6			3	1	1	2	1	1	1	3	2	1				40434

Special Instructions:

LABORATORY COMMENTS:

Init Lab Temp:

Rec Lab Temp: 1°C

Custody Seals: Y ☒ N ☐ N/A
Bottles Supplied by Test America: Y ☐ N ☐

Method of Shipment:

Relinquished By: <u>Janna Peevler</u>	Date: <u>3/18/03</u>	Time: <u>700</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <u>Mike Bl</u>	Date: <u>3-19-03</u>	Time: <u>0830</u>

March 19, 2003
Analytical Data

3/27/03

MACTEC ENGINEERING AND CONSULT 4997
RICK RYAN
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: 324484.

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.

Page 1

Sample Identification	Lab Number	Collection Date
TW-20	03-A41160	3/19/03
TW-07	03-A41161	3/19/03
TW-09	03-A41162	3/19/03
OB-09	03-A41163	3/19/03
OB-07 MS/MSD	03-A41164	3/19/03

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:

Roxanne L. Connor

Report Date: 3/27/03

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

ANALYTICAL REPORT

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

Lab Number: 03-A41160
 Sample ID: TW-20
 Sample Type: Ground water
 Site ID:

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

Date Collected: 3/19/03
 Time Collected: 8:54
 Date Received: 3/20/03
 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	0.0500	1	3/22/03	17:51	C. Wani	8260B	1171
Benzene	ND	mg/l	0.0020	1	3/22/03	17:51	C. Wani	8260B	1171
Bromobenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Bromochloromethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Bromoform	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Bromomethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
2-Butanone	ND	mg/l	0.0250	1	3/22/03	17:51	C. Wani	8260B	1171
n-Butylbenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
sec-Butylbenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
t-Butylbenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Carbon disulfide	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Carbon tetrachloride	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Chlorobenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Chloroethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Chloroform	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Chloromethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
2-Chlorotoluene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
4-Chlorotoluene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/22/03	17:51	C. Wani	8260B	1171
Dibromochloromethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,2-Dibromoethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Dibromomethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Dichlorodifluoromethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41160
Sample ID: TW-20
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,2-Dichloroethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,1-Dichloroethene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,2-Dichloropropane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,3-Dichloropropane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
2,2-Dichloropropane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,1-Dichloropropene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Ethylbenzene	ND	mg/l	0.0020	1	3/22/03	17:51	C. Wani	8260B	1171
Hexachlorobutadiene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
2-Hexanone	ND	mg/l	0.0100	1	3/22/03	17:51	C. Wani	8260B	1171
Isopropylbenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
4-Isopropyltoluene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	3/22/03	17:51	C. Wani	8260B	1171
Methylene chloride	ND	mg/l	0.00500	1	3/22/03	17:51	C. Wani	8260B	1171
Naphthalene	ND	mg/l	0.00500	1	3/22/03	17:51	C. Wani	8260B	1171
n-Propylbenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Styrene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Tetrachloroethene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Toluene	ND	mg/l	0.0020	1	3/22/03	17:51	C. Wani	8260B	1171
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Trichloroethene	0.00240	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	3/22/03	17:51	C. Wani	8260B	1171
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Vinyl chloride	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
Xylenes (Total)	ND	mg/l	0.0020	1	3/22/03	17:51	C. Wani	8260B	1171
Bromodichloromethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41160
Sample ID: TW-20
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00200	1	3/22/03	17:51	C. Wani	8260B	1171
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	3/21/03	11:27	K. Burritt	RSK175M	1912
Carbon Dioxide	36.2	mg/l	3.0	1	3/21/03	1:00	T. Beverly	SM4500CO2C	2178
Ethene	ND	mg/L	0.026	1	3/21/03	11:27	K. Burritt	RSK175M	1912
Ethane	ND	mg/L	0.026	1	3/21/03	11:27	K. Burritt	RSK175M	1912
METALS									
Ferrous Iron	ND	mg/l	0.100	1	3/20/03	14:35	R. Kaminski	3500D	1366
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	2.06	mg/l	0.100	1	3/20/03	22:50	W. Choate	353.2	1240
Sulfate	64.4	mg/l	2.00	2	3/24/03	10:54	M. Shockley	375.4	3458
Alkalinity as CaCO3	398.	mg/l	5.00	1	3/22/03	21:21	J. Hill	310.1	1250
Total Organic Carbon	2.19	mg/l	1.00	1	3/22/03	13:00	M. Checalle	415.1	2701
Sulfide	ND	mg/l	1.000	1	3/25/03	15:30	B. Yanna	376.1	3762
Chloride	13.4	mg/l	1.00	1	3/24/03	14:29	S. Duncan	325.2	2727

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	73. - 133.
VOA Surr Toluene-d8	119.	80. - 121.
VOA Surr, 4-BFB	105.	80. - 128.
VOA Surr, DBPM	114.	81. - 121.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41160
Sample ID: TW-20
Project: 51870.9
Page 4

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
= Recovery outside Laboratory historical or method prescribed limits.
M = Method RSK175 modified for use with Headspace analyzer.
Sample for Ferrous Iron analysis received outside method
prescribed holding time.

ANALYTICAL REPORT

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

Lab Number: 03-A41161
Sample ID: TW-07
Sample Type: Ground water
Site ID:

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

Date Collected: 3/19/03
Time Collected: 10:35
Date Received: 3/20/03
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	0.0500	1	3/22/03	18:21	C. Wani	8260B	1171
Benzene	ND	mg/l	0.0020	1	3/22/03	18:21	C. Wani	8260B	1171
Bromobenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Bromochloromethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Bromoform	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Bromomethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
2-Butanone	ND	mg/l	0.0250	1	3/22/03	18:21	C. Wani	8260B	1171
n-Butylbenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
sec-Butylbenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
t-Butylbenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Carbon disulfide	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Carbon tetrachloride	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Chlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Chloroethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Chloroform	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Chloromethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
2-Chlorotoluene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
4-Chlorotoluene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/22/03	18:21	C. Wani	8260B	1171
Dibromochloromethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,2-Dibromoethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Dibromomethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Dichlorodifluoromethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41161
Sample ID: TW-07
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,2-Dichloroethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,1-Dichloroethene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
cis-1,2-Dichloroethene	0.00210	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
trans-1,2-Dichloroethene	0.00580	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,2-Dichloropropane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,3-Dichloropropane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
2,2-Dichloropropane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,1-Dichloropropene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Ethylbenzene	ND	mg/l	0.0020	1	3/22/03	18:21	C. Wani	8260B	1171
Hexachlorobutadiene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
2-Hexanone	ND	mg/l	0.0100	1	3/22/03	18:21	C. Wani	8260B	1171
Isopropylbenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
4-Isopropyltoluene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	3/22/03	18:21	C. Wani	8260B	1171
Methylene chloride	ND	mg/l	0.00500	1	3/22/03	18:21	C. Wani	8260B	1171
Naphthalene	ND	mg/l	0.00500	1	3/22/03	18:21	C. Wani	8260B	1171
n-Propylbenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Styrene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Tetrachloroethene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Toluene	ND	mg/l	0.0020	1	3/22/03	18:21	C. Wani	8260B	1171
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Trichloroethene	0.0142	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	3/22/03	18:21	C. Wani	8260B	1171
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Vinyl chloride	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
Xylenes (Total)	ND	mg/l	0.0020	1	3/22/03	18:21	C. Wani	8260B	1171
Bromodichloromethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41161
Sample ID: TW-07
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00200	1	3/22/03	18:21	C. Wani	8260B	1171
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	3/21/03	11:34	K. Burritt	RSK175M	1912
Carbon Dioxide	31.1	mg/l	3.0	1	3/21/03	1:00	T. Beverly	SM4500CO2C	2178
Ethene	ND	mg/L	0.026	1	3/21/03	11:34	K. Burritt	RSK175M	1912
Ethane	ND	mg/L	0.026	1	3/21/03	11:34	K. Burritt	RSK175M	1912
METALS									
Ferrous Iron	ND	mg/l	0.100	1	3/20/03	14:35	R. Kaminski	3500D	1366
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	23.6	mg/l	0.500	5	3/20/03	22:51	W. Choate	353.2	1240
Sulfate	390.	mg/l	20.0	20	3/24/03	10:54	M. Shockley	375.4	3458
Alkalinity as CaCO3	320.	mg/l	5.00	1	3/22/03	21:21	J. Hill	310.1	1250
Total Organic Carbon	4.35	mg/l	1.00	1	3/22/03	13:00	M. Checalle	415.1	2701
Sulfide	ND	mg/l	1.000	1	3/25/03	15:30	B. Yanna	376.1	3762
Chloride	35.6	mg/l	2.00	2	3/24/03	14:30	S. Duncan	325.2	2727

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	73. - 133.
VOA Surr Toluene-d8	112.	80. - 121.
VOA Surr, 4-BFB	107.	80. - 128.
VOA Surr, DBFM	115.	81. - 121.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41161
Sample ID: TW-07
Project: 51870.9
Page 4

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

M = Method RSK175 modified for use with Headspace analyzer.

Sample for Ferrous Iron analysis received outside method
prescribed holding time.

ANALYTICAL REPORT

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

Lab Number: 03-A41162
Sample ID: TW-09
Sample Type: Ground water
Site ID:

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

Date Collected: 3/19/03
Time Collected: 12:56
Date Received: 3/20/03
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	0.0500	1	3/22/03	18:50	C. Wani	8260B	1171
Benzene	ND	mg/l	0.0020	1	3/22/03	18:50	C. Wani	8260B	1171
Bromobenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Bromochloromethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Bromoform	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Bromomethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
2-Butanone	ND	mg/l	0.0250	1	3/22/03	18:50	C. Wani	8260B	1171
n-Butylbenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
sec-Butylbenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
t-Butylbenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Carbon disulfide	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Carbon tetrachloride	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Chlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Chloroethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Chloroform	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Chloromethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
2-Chlorotoluene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
4-Chlorotoluene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/22/03	18:50	C. Wani	8260B	1171
Dibromochloromethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,2-Dibromoethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Dibromomethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Dichlorodifluoromethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41162
Sample ID: TW-09
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,2-Dichloroethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,1-Dichloroethene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,2-Dichloropropane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,3-Dichloropropane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
2,2-Dichloropropane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,1-Dichloropropene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Ethylbenzene	ND	mg/l	0.0020	1	3/22/03	18:50	C. Wani	8260B	1171
Hexachlorobutadiene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
2-Hexanone	ND	mg/l	0.0100	1	3/22/03	18:50	C. Wani	8260B	1171
Isopropylbenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
4-Isopropyltoluene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	3/22/03	18:50	C. Wani	8260B	1171
Methylene chloride	ND	mg/l	0.00500	1	3/22/03	18:50	C. Wani	8260B	1171
Naphthalene	ND	mg/l	0.00500	1	3/22/03	18:50	C. Wani	8260B	1171
n-Propylbenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Styrene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Tetrachloroethene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Toluene	ND	mg/l	0.0020	1	3/22/03	18:50	C. Wani	8260B	1171
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Trichloroethene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	3/22/03	18:50	C. Wani	8260B	1171
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Vinyl chloride	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
Xylenes (Total)	ND	mg/l	0.0020	1	3/22/03	18:50	C. Wani	8260B	1171
Bromodichloromethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41162
Sample ID: TW-09
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00200	1	3/22/03	18:50	C. Wani	8260B	1171
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	3/21/03	11:40	K. Burritt	RSK175M	1912
Carbon Dioxide	16.6	mg/l	3.0	1	3/21/03	1:00	T. Beverly	SM4500CO2C	2178
Ethene	ND	mg/L	0.026	1	3/21/03	11:40	K. Burritt	RSK175M	1912
Ethane	ND	mg/L	0.026	1	3/21/03	11:40	K. Burritt	RSK175M	1912
METALS									
Ferrous Iron	ND	mg/l	0.100	1	3/20/03	14:35	R. Kaminski	3500D	1366
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	1.34	mg/l	0.100	1	3/20/03	22:51	W. Choate	353.2	1240
Sulfate	175.	mg/l	10.0	10	3/24/03	10:54	M. Shockley	375.4	3458
Alkalinity as CaCO3	170.	mg/l	5.00	1	3/22/03	21:21	J. Hill	310.1	1250
Total Organic Carbon	1.53	mg/l	1.00	1	3/22/03	13:00	M. Checalle	415.1	2701
Sulfide	ND	mg/l	1.000	1	3/26/03	16:30	B. Yanna	376.1	3766
Chloride	8.33	mg/l	1.00	1	3/24/03	14:30	S. Duncan	325.2	2727

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	109.	73. - 133.
VOA Surr Toluene-d8	110.	80. - 121.
VOA Surr, 4-BFB	105.	80. - 128.
VOA Surr, DBPM	113.	81. - 121.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41162
Sample ID: TW-09
Project: 51870.9
Page 4

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

M = Method RSK175 modified for use with Headspace analyzer.

Sample for Ferrous Iron analysis received outside method
prescribed holding time.

ANALYTICAL REPORT

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

Lab Number: 03-A41163
Sample ID: OB-09
Sample Type: Ground water
Site ID:

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

Date Collected: 3/19/03
Time Collected: 14:25
Date Received: 3/20/03
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	3/24/03	12:54	C. Wani	8260B	5483
Benzene	ND	mg/l	0.0010	1	3/24/03	12:54	C. Wani	8260B	5483
Bromobenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Bromochloromethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Bromoform	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Bromomethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
2-Butanone	ND	mg/l	0.0250	1	3/24/03	12:54	C. Wani	8260B	5483
n-Butylbenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
sec-Butylbenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
t-Butylbenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Carbon disulfide	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Carbon tetrachloride	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Chlorobenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Chloroethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Chloroform	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Chloromethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
2-Chlorotoluene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
4-Chlorotoluene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/24/03	12:54	C. Wani	8260B	5483
Dibromochloromethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Dibromomethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41163
Sample ID: OB-09
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
cis-1,2-Dichloroethene	0.00460	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Ethylbenzene	ND	mg/l	0.0010	1	3/24/03	12:54	C. Wani	8260B	5483
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
2-Hexanone	ND	mg/l	0.00500	1	3/24/03	12:54	C. Wani	8260B	5483
Isopropylbenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/24/03	12:54	C. Wani	8260B	5483
Methylene chloride	ND	mg/l	0.00250	1	3/24/03	12:54	C. Wani	8260B	5483
Naphthalene	ND	mg/l	0.00500	1	3/24/03	12:54	C. Wani	8260B	5483
n-Propylbenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Styrene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Tetrachloroethene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Toluene	ND	mg/l	0.0010	1	3/24/03	12:54	C. Wani	8260B	5483
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Trichloroethene	0.0442	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/24/03	12:54	C. Wani	8260B	5483
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Vinyl chloride	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
Xylenes (Total)	ND	mg/l	0.0010	1	3/24/03	12:54	C. Wani	8260B	5483
Bromodichloromethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41163

Sample ID: OB-09

Project: 51870.9

Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/24/03	12:54	C. Wani	8260B	5483
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	3/21/03	11:47	K. Burritt	RSK175M	1912
Carbon Dioxide	10.8	mg/l	3.0	1	3/21/03	1:00	T. Beverly	SM4500CO2C	2178
Ethene	ND	mg/L	0.026	1	3/21/03	11:47	K. Burritt	RSK175M	1912
Ethane	ND	mg/L	0.026	1	3/21/03	11:47	K. Burritt	RSK175M	1912
METALS									
Ferrous Iron	0.172	mg/l	0.100	1	3/20/03	14:35	R. Kaminski	3500D	1366
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	2.31	mg/l	0.100	1	3/20/03	22:53	W. Choate	353.2	1240
Sulfate	225.	mg/l	10.0	10	3/24/03	10:54	M. Shockley	375.4	3458
Alkalinity as CaCO3	254.	mg/l	5.00	1	3/22/03	21:21	J. Hill	310.1	1250
Total Organic Carbon	2.08	mg/l	1.00	1	3/22/03	13:00	M. Checolle	415.1	2701
Sulfide	ND	mg/l	1.000	1	3/26/03	16:30	B. Yanna	376.1	3766
Chloride	7.11	mg/l	1.00	1	3/24/03	13:27	S. Duncan	325.2	2730

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	73. - 133.
VOA Surr Toluene-d8	111.	80. - 121.
VOA Surr, 4-BFB	103.	80. - 128.
VOA Surr, DBFM	114.	81. - 121.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41163
Sample ID: OB-09
Project: 51870.9
Page 4

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

M = Method RSK175 modified for use with Headspace analyzer.

Sample for Ferrous Iron analysis received outside method
prescribed holding time.

End of Sample Report.

ANALYTICAL REPORT

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

Lab Number: 03-A41164
Sample ID: OB-07 MS/MSD
Sample Type: Ground water
Site ID:

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

Date Collected: 3/19/03
Time Collected: 15:58
Date Received: 3/20/03
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	0.0500	1	3/23/03	1:43	C. Wani	8260B	1171
Benzene	ND	mg/l	0.0020	1	3/23/03	1:43	C. Wani	8260B	1171
Bromobenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Bromochloromethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Bromoform	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Bromomethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
2-Butanone	ND	mg/l	0.0250	1	3/23/03	1:43	C. Wani	8260B	1171
n-Butylbenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
sec-Butylbenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
t-Butylbenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Carbon disulfide	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Carbon tetrachloride	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Chlorobenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Chloroethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Chloroform	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Chloromethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
2-Chlorotoluene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
4-Chlorotoluene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,2-Dibromo-3-Chloropropane	ND	mg/l	0.00500	1	3/23/03	1:43	C. Wani	8260B	1171
Dibromochloromethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,2-Dibromoethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Dibromomethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,2-Dichlorobenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,3-Dichlorobenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,4-Dichlorobenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Dichlorodifluoromethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41164

Sample ID: OB-07 MS/MSD

Project: 51870.9

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,2-Dichloroethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,1-Dichloroethene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
cis-1,2-Dichloroethene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
trans-1,2-Dichloroethene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,2-Dichloropropane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,3-Dichloropropane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
2,2-Dichloropropane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,1-Dichloropropene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
cis-1,3-Dichloropropene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
trans-1,3-Dichloropropene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Ethylbenzene	ND	mg/l	0.0020	1	3/23/03	1:43	C. Wani	8260B	1171
Hexachlorobutadiene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
2-Hexanone	ND	mg/l	0.0100	1	3/23/03	1:43	C. Wani	8260B	1171
Isopropylbenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
4-Isopropyltoluene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	3/23/03	1:43	C. Wani	8260B	1171
Methylene chloride	ND	mg/l	0.00500	1	3/23/03	1:43	C. Wani	8260B	1171
Naphthalene	ND	mg/l	0.00500	1	3/23/03	1:43	C. Wani	8260B	1171
n-Propylbenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Styrene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Tetrachloroethene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Toluene	ND	mg/l	0.0020	1	3/23/03	1:43	C. Wani	8260B	1171
1,2,3-Trichlorobenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,2,4-Trichlorobenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,1,1-Trichloroethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,1,2-Trichloroethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Trichloroethene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,2,3-Trichloropropane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	3/23/03	1:43	C. Wani	8260B	1171
1,3,5-Trimethylbenzene	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Vinyl chloride	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
Xylenes (Total)	ND	mg/l	0.0020	1	3/23/03	1:43	C. Wani	8260B	1171
Bromodichloromethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41164
Sample ID: OB-07 MS/MSD
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00200	1	3/23/03	1:43	C. Wani	8260B	1171
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	3/21/03	11:53	K. Burritt	RSK175M	1912
Carbon Dioxide	ND	mg/l	3.0	1	3/21/03	1:00	T. Beverly	SM4500CO2C	2178
Ethene	ND	mg/L	0.026	1	3/21/03	11:53	K. Burritt	RSK175M	1912
Ethane	ND	mg/L	0.026	1	3/21/03	11:53	K. Burritt	RSK175M	1912
METALS									
Ferrous Iron	ND	mg/l	0.100	1	3/20/03	14:35	R.Kaminski	3500D	1366
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.840	mg/l	0.100	1	3/20/03	22:54	W. Choate	353.2	1240
Sulfate	66.4	mg/l	2.00	2	3/24/03	10:54	M.Shockley	375.4	3458
Alkalinity as CaCO3	35.2	mg/l	5.00	1	3/22/03	21:21	J. Hill	310.1	1250
Total Organic Carbon	3.26	mg/l	1.00	1	3/22/03	13:00	M.Checolle	415.1	2701
Sulfide	ND	mg/l	1.000	1	3/26/03	16:30	B. Yanna	376.1	3766
Chloride	9.42	mg/l	1.00	1	3/24/03	13:29	S. Duncan	325.2	2730

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	106.	73. - 133.
VOA Surr Toluene-d8	110.	80. - 121.
VOA Surr, 4-BFB	106.	80. - 128.
VOA Surr, DBFM	111.	81. - 121.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41164
Sample ID: OB-07 MS/MSD
Project: 51870.9
Page 4

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

M = Method RSK175 modified for use with Headspace analyzer.

Sample for Ferrous Iron analysis received outside method
prescribed holding time.

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 1

Laboratory Receipt Date: 3/20/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS								
Benzene	mg/l	< 0.0020	0.0558	0.0500	112	78. - 132.	1171	03-A41164
Benzene	mg/l	< 0.0005	0.0540	0.0500	108	78. - 132.	5483	03a42583
Chlorobenzene	mg/l	< 0.00200	0.0539	0.0500	108	79. - 124.	1171	03-A41164
Chlorobenzene	mg/l	< 0.00020	0.0562	0.0500	112	79. - 124.	5483	03a42583
1,1-Dichloroethene	mg/l	< 0.00200	0.0515	0.0500	103	68. - 141.	1171	03-A41164
1,1-Dichloroethene	mg/l	< 0.00060	0.0568	0.0500	114	68. - 141.	5483	03a42583
Toluene	mg/l	< 0.0020	0.0527	0.0500	105	77. - 134.	1171	03-A41164
Toluene	mg/l	< 0.0006	0.0551	0.0500	110	77. - 134.	5483	03a42583
Trichloroethene	mg/l	0.00130	0.0535	0.0500	104	73. - 137.	1171	03-A41164
Trichloroethene	mg/l	< 0.00040	0.0526	0.0500	105	73. - 137.	5483	03a42583
Tetrachloroethene	mg/l	< 0.00200	0.0494	0.0500	99	72. - 136.	1171	03-A41164
Tetrachloroethene	mg/l	< 0.00040	0.0534	0.0500	107	72. - 136.	5483	03a42583
VOA Surr 1,2-DCA-d4	% Rec				106	73. - 133.	1171	
VOA Surr 1,2-DCA-d4	% Rec				99	73. - 133.	5483	
VOA Surr Toluene-d8	% Rec				108	80. - 121.	1171	
VOA Surr Toluene-d8	% Rec				109	80. - 121.	5483	
VOA Surr, 4-BFB	% Rec				106	80. - 128.	1171	
VOA Surr, 4-BFB	% Rec				104	80. - 128.	5483	
VOA Surr, DBFM	% Rec				116	81. - 121.	1171	
VOA Surr, DBFM	% Rec				113	81. - 121.	5483	

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 2

Laboratory Receipt Date: 3/20/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----

MISC PARAMETERS

Nitrate-N as N	mg/l	< 0.100	5.89	5.50	107	80 - 120	1240	03-A41186
Nitrate-N as N	mg/l	< 0.100	5.80	5.50	105	80 - 120	1240	03-A41186
Sulfate	mg/l	64.4	156.	100.	92	80 - 120	3458	03-A41160
Sulfide	mg/l	< 1.000	20.60	20.00	103	80 - 120	3762	03-A40803
Sulfide	mg/l	< 1.000	19.60	20.00	98	80 - 120	3766	03-A41162
Chloride	mg/l	12.9	22.0	10.0	91	80 - 120	2727	03-A41040
Chloride	mg/l	7.11	17.5	10.0	104	80 - 120	2730	03-A41163

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
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MISC PARAMETERS

Methane	mg/L	< 0.026	1.13	1.33	85	40 - 140	1912	03-A40433
Ethene	mg/L	< 0.026	1.98	2.32	85	40 - 140	1912	03-A40433
Ethane	mg/L	< 0.026	2.12	2.50	85	40 - 140	1912	03-A40433

Project QC continued . . .

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Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Benzene	mg/l	0.0558	0.0551	1.26	15.	1171
Benzene	mg/l	0.0540	0.0551	2.02	15.	5483
Chlorobenzene	mg/l	0.0539	0.0546	1.29	16.	1171
Chlorobenzene	mg/l	0.0562	0.0566	0.71	16.	5483
1,1-Dichloroethene	mg/l	0.0515	0.0513	0.39	19.	1171
1,1-Dichloroethene	mg/l	0.0568	0.0565	0.53	19.	5483
Toluene	mg/l	0.0527	0.0536	1.69	16.	1171
Toluene	mg/l	0.0551	0.0556	0.90	16.	5483
Trichloroethene	mg/l	0.0535	0.0534	0.19	20.	1171
Trichloroethene	mg/l	0.0526	0.0501	4.87	20.	5483
Tetrachloroethene	mg/l	0.0494	0.0503	1.81	23.	1171
Tetrachloroethene	mg/l	0.0534	0.0553	3.50	23.	5483
VOA Surr 1,2-DCA-d4	% Rec		102.			1171
VOA Surr 1,2-DCA-d4	% Rec		106.			5483
VOA Surr Toluene-d8	% Rec		108.			1171
VOA Surr Toluene-d8	% Rec		110.			5483
VOA Surr, 4-BFB	% Rec		105.			1171
VOA Surr, 4-BFB	% Rec		103.			5483
VOA Surr, DBFM	% Rec		113.			1171
VOA Surr, DBFM	% Rec		116.			5483

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
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MISC PARAMETERS						
Methane	mg/L	1.13	1.12	0.89	50	1912

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Ethene	mg/L	1.98	1.99	0.50	50	1912
Ethane	mg/L	2.12	2.12	0.00	50	1912

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
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****MISC PARAMETERS****

Nitrate-N as N	mg/l	5.89	5.80	1.54	20	1240
Sulfate	mg/l	156.	156.	0.00	20	3458
Total Organic Carbon	mg/l	23.0	23.0	0.00	20	2701
Sulfide	mg/l	20.60	20.40	0.98	20	3762
Sulfide	mg/l	19.60	19.40	1.03	20	3766
Chloride	mg/l	22.0	22.0	0.00	20	2727
Chloride	mg/l	17.5	17.8	1.70	20	2730

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
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****VOA PARAMETERS****

Acetone	mg/l	0.250	0.256	102	60 - 154	1171
Acetone	mg/l	0.250	0.250	100	60 - 154	1171
Acetone	mg/l	0.250	0.246	98	60 - 154	5483
Benzene	mg/l	0.0500	0.0522	104	78 - 127	1171
Benzene	mg/l	0.0500	0.0546	109	78 - 127	1171
Benzene	mg/l	0.0500	0.0509	102	78 - 127	5483
Bromobenzene	mg/l	0.0500	0.0610	122 #	80 - 120	1171
Bromobenzene	mg/l	0.0500	0.0543	109	80 - 120	1171

Project QC continued . . .

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Bromobenzene	mg/l	0.0500	0.0517	103	80 - 120	5483
Bromochloromethane	mg/l	0.0500	0.0514	103	66 - 137	1171
Bromochloromethane	mg/l	0.0500	0.0546	109	66 - 137	1171
Bromochloromethane	mg/l	0.0500	0.0527	105	66 - 137	5483
Bromoform	mg/l	0.0500	0.0393	79	66 - 129	1171
Bromoform	mg/l	0.0500	0.0371	74	66 - 129	1171
Bromoform	mg/l	0.0500	0.0434	87	66 - 129	5483
Bromomethane	mg/l	0.0500	0.0566	113	47 - 163	1171
Bromomethane	mg/l	0.0500	0.0536	107	47 - 163	1171
Bromomethane	mg/l	0.0500	0.0544	109	47 - 163	5483
2-Butanone	mg/l	0.250	0.266	106	75 - 140	1171
2-Butanone	mg/l	0.250	0.265	106	75 - 140	1171
2-Butanone	mg/l	0.250	0.256	102	75 - 140	5483
n-Butylbenzene	mg/l	0.0500	0.0434	87	61 - 131	1171
n-Butylbenzene	mg/l	0.0500	0.0472	94	61 - 131	1171
n-Butylbenzene	mg/l	0.0500	0.0474	95	61 - 131	5483
sec-Butylbenzene	mg/l	0.0500	0.0468	94	72 - 124	1171
sec-Butylbenzene	mg/l	0.0500	0.0494	99	72 - 124	1171
sec-Butylbenzene	mg/l	0.0500	0.0475	95	72 - 124	5483
t-Butylbenzene	mg/l	0.0500	0.0494	99	74 - 123	1171
t-Butylbenzene	mg/l	0.0500	0.0521	104	74 - 123	1171
t-Butylbenzene	mg/l	0.0500	0.0502	100	74 - 123	5483
Carbon disulfide	mg/l	0.0500	0.0590	118	67 - 138	1171
Carbon disulfide	mg/l	0.0500	0.0631	126	67 - 138	1171
Carbon disulfide	mg/l	0.0500	0.0594	119	67 - 138	5483
Carbon tetrachloride	mg/l	0.0500	0.0512	102	69 - 132	1171
Carbon tetrachloride	mg/l	0.0500	0.0531	106	69 - 132	1171
Carbon tetrachloride	mg/l	0.0500	0.0550	110	69 - 132	5483
Chlorobenzene	mg/l	0.0500	0.0509	102	81 - 120	1171
Chlorobenzene	mg/l	0.0500	0.0530	106	81 - 120	1171
Chlorobenzene	mg/l	0.0500	0.0531	106	81 - 120	5483

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Chloroethane	mg/l	0.0500	0.0536	107	65 - 134	1171
Chloroethane	mg/l	0.0500	0.0588	118	65 - 134	1171
Chloroethane	mg/l	0.0500	0.0523	105	65 - 134	5483
Chloroform	mg/l	0.0500	0.0511	102	77 - 125	1171
Chloroform	mg/l	0.0500	0.0535	107	77 - 125	1171
Chloroform	mg/l	0.0500	0.0512	102	77 - 125	5483
Chloromethane	mg/l	0.0500	0.0534	107	43 - 142	1171
Chloromethane	mg/l	0.0500	0.0586	117	43 - 142	1171
Chloromethane	mg/l	0.0500	0.0522	104	43 - 142	5483
2-Chlorotoluene	mg/l	0.0500	0.0490	98	76 - 126	1171
2-Chlorotoluene	mg/l	0.0500	0.0499	100	76 - 126	1171
2-Chlorotoluene	mg/l	0.0500	0.0484	97	76 - 126	5483
4-Chlorotoluene	mg/l	0.0500	0.0499	100	79 - 123	1171
4-Chlorotoluene	mg/l	0.0500	0.0521	104	79 - 123	1171
4-Chlorotoluene	mg/l	0.0500	0.0501	100	79 - 123	5483
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0401	80	64 - 132	1171
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0393	79	64 - 132	1171
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0432	86	64 - 132	5483
Dibromochloromethane	mg/l	0.0500	0.0464	93	78 - 124	1171
Dibromochloromethane	mg/l	0.0500	0.0452	90	78 - 124	1171
Dibromochloromethane	mg/l	0.0500	0.0472	94	78 - 124	5483
1,2-Dibromoethane	mg/l	0.0500	0.0514	103	79 - 126	1171
1,2-Dibromoethane	mg/l	0.0500	0.0527	105	79 - 126	1171
1,2-Dibromoethane	mg/l	0.0500	0.0538	108	79 - 126	5483
Dibromomethane	mg/l	0.0500	0.0540	108	75 - 131	1171
Dibromomethane	mg/l	0.0500	0.0540	108	75 - 131	1171
Dibromomethane	mg/l	0.0500	0.0540	108	75 - 131	5483
1,2-Dichlorobenzene	mg/l	0.0500	0.0523	105	80 - 120	1171
1,2-Dichlorobenzene	mg/l	0.0500	0.0532	106	80 - 120	1171
1,2-Dichlorobenzene	mg/l	0.0500	0.0522	104	80 - 120	5483
1,3-Dichlorobenzene	mg/l	0.0500	0.0525	105	79 - 120	1171

Project QC continued . . .

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,3-Dichlorobenzene	mg/l	0.0500	0.0547	109	79 - 120	1171
1,3-Dichlorobenzene	mg/l	0.0500	0.0532	106	79 - 120	5483
1,4-Dichlorobenzene	mg/l	0.0500	0.0496	99	78 - 118	1171
1,4-Dichlorobenzene	mg/l	0.0500	0.0515	103	78 - 118	1171
1,4-Dichlorobenzene	mg/l	0.0500	0.0508	102	78 - 118	5483
Dichlorodifluoromethane	mg/l	0.0500	0.0573	115	45 - 149	1171
Dichlorodifluoromethane	mg/l	0.0500	0.0681	136	45 - 149	1171
Dichlorodifluoromethane	mg/l	0.0500	0.0558	112	45 - 149	5483
1,1-Dichloroethane	mg/l	0.0500	0.0553	111	73 - 128	1171
1,1-Dichloroethane	mg/l	0.0500	0.0568	114	73 - 128	1171
1,1-Dichloroethane	mg/l	0.0500	0.0543	109	73 - 128	5483
1,2-Dichloroethane	mg/l	0.0500	0.0535	107	71 - 135	1171
1,2-Dichloroethane	mg/l	0.0500	0.0536	107	71 - 135	1171
1,2-Dichloroethane	mg/l	0.0500	0.0513	103	71 - 135	5483
1,1-Dichloroethene	mg/l	0.0500	0.0530	106	72 - 128	1171
1,1-Dichloroethene	mg/l	0.0500	0.0556	111	72 - 128	1171
1,1-Dichloroethene	mg/l	0.0500	0.0506	101	72 - 128	5483
cis-1,2-Dichloroethene	mg/l	0.0500	0.0505	101	76 - 127	1171
cis-1,2-Dichloroethene	mg/l	0.0500	0.0541	108	76 - 127	1171
cis-1,2-Dichloroethene	mg/l	0.0500	0.0514	103	76 - 127	5483
trans-1,2-Dichloroethene	mg/l	0.0500	0.0540	108	71 - 131	1171
trans-1,2-Dichloroethene	mg/l	0.0500	0.0560	112	71 - 131	1171
trans-1,2-Dichloroethene	mg/l	0.0500	0.0530	106	71 - 131	5483
1,2-Dichloropropane	mg/l	0.0500	0.0483	97	75 - 127	1171
1,2-Dichloropropane	mg/l	0.0500	0.0497	99	75 - 127	1171
1,2-Dichloropropane	mg/l	0.0500	0.0538	108	75 - 127	5483
1,3-Dichloropropane	mg/l	0.0500	0.0517	103	81 - 128	1171
1,3-Dichloropropane	mg/l	0.0500	0.0516	103	81 - 128	1171
1,3-Dichloropropane	mg/l	0.0500	0.0509	102	81 - 128	5483
2,2-Dichloropropane	mg/l	0.0500	0.0359	72	45 - 145	1171
2,2-Dichloropropane	mg/l	0.0500	0.0452	90	45 - 145	1171

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Laboratory Receipt Date: 3/20/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
2,2-Dichloropropane	mg/l	0.0500	0.0586	117	45 - 145	5483
1,1-Dichloropropane	mg/l	0.0500	0.0530	106	76 - 127	1171
1,1-Dichloropropane	mg/l	0.0500	0.0561	112	76 - 127	1171
1,1-Dichloropropane	mg/l	0.0500	0.0508	102	76 - 127	5483
cis-1,3-Dichloropropene	mg/l	0.0500	0.0441	88	72 - 131	1171
cis-1,3-Dichloropropene	mg/l	0.0500	0.0455	91	72 - 131	1171
cis-1,3-Dichloropropene	mg/l	0.0500	0.0493	99	72 - 131	5483
trans-1,3-Dichloropropene	mg/l	0.0500	0.0446	89	69 - 131	1171
trans-1,3-Dichloropropene	mg/l	0.0500	0.0460	92	69 - 131	1171
trans-1,3-Dichloropropene	mg/l	0.0500	0.0518	104	69 - 131	5483
Ethylbenzene	mg/l	0.0500	0.0496	99	78 - 125	1171
Ethylbenzene	mg/l	0.0500	0.0514	103	78 - 125	1171
Ethylbenzene	mg/l	0.0500	0.0502	100	78 - 125	5483
Hexachlorobutadiene	mg/l	0.0500	0.0412	82	59 - 126	1171
Hexachlorobutadiene	mg/l	0.0500	0.0454	91	59 - 126	1171
Hexachlorobutadiene	mg/l	0.0500	0.0457	91	59 - 126	5483
2-Hexanone	mg/l	0.250	0.265	106	71 - 142	1171
2-Hexanone	mg/l	0.250	0.269	108	71 - 142	1171
2-Hexanone	mg/l	0.250	0.274	110	71 - 142	5483
Isopropylbenzene	mg/l	0.0500	0.0462	92	78 - 123	1171
Isopropylbenzene	mg/l	0.0500	0.0481	96	78 - 123	1171
Isopropylbenzene	mg/l	0.0500	0.0474	95	78 - 123	5483
4-Isopropyltoluene	mg/l	0.0500	0.0460	92	73 - 125	1171
4-Isopropyltoluene	mg/l	0.0500	0.0482	96	73 - 125	1171
4-Isopropyltoluene	mg/l	0.0500	0.0478	96	73 - 125	5483
4-Methyl-2-pentanone	mg/l	0.250	0.260	104	71 - 141	1171
4-Methyl-2-pentanone	mg/l	0.250	0.256	102	71 - 141	1171
4-Methyl-2-pentanone	mg/l	0.250	0.261	104	71 - 141	5483
Methylene chloride	mg/l	0.0500	0.0484	97	70 - 140	1171
Methylene chloride	mg/l	0.0500	0.0501	100	70 - 140	1171
Methylene chloride	mg/l	0.0500	0.0488	98	70 - 140	5483

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Laboratory Receipt Date: 3/20/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Naphthalene	mg/l	0.0500	0.0472	94	52 - 140	1171
Naphthalene	mg/l	0.0500	0.0481	96	52 - 140	1171
Naphthalene	mg/l	0.0500	0.0484	97	52 - 140	5483
n-Propylbenzene	mg/l	0.0500	0.0477	95	75 - 125	1171
n-Propylbenzene	mg/l	0.0500	0.0508	102	75 - 125	1171
n-Propylbenzene	mg/l	0.0500	0.0494	99	75 - 125	5483
Styrene	mg/l	0.0500	0.0521	104	82 - 122	1171
Styrene	mg/l	0.0500	0.0548	110	82 - 122	1171
Styrene	mg/l	0.0500	0.0559	112	82 - 122	5483
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0474	95	85 - 123	1171
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0469	94	85 - 123	1171
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0502	100	85 - 123	5483
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0555	111	74 - 133	1171
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0563	113	74 - 133	1171
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0540	108	74 - 133	5483
Tetrachloroethene	mg/l	0.0500	0.0446	89	76 - 123	1171
Tetrachloroethene	mg/l	0.0500	0.0483	97	76 - 123	1171
Tetrachloroethene	mg/l	0.0500	0.0480	96	76 - 123	5483
Toluene	mg/l	0.0500	0.0504	101	78 - 127	1171
Toluene	mg/l	0.0500	0.0514	103	78 - 127	1171
Toluene	mg/l	0.0500	0.0508	102	78 - 127	5483
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0506	101	59 - 132	1171
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0522	104	59 - 132	1171
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0527	105	59 - 132	5483
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0455	91	60 - 133	1171
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0464	93	60 - 133	1171
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0491	98	60 - 133	5483
1,1,1-Trichloroethane	mg/l	0.0500	0.0493	99	74 - 128	1171
1,1,1-Trichloroethane	mg/l	0.0500	0.0554	111	74 - 128	1171
1,1,1-Trichloroethane	mg/l	0.0500	0.0508	102	74 - 128	5483
1,1,2-Trichloroethane	mg/l	0.0500	0.0510	102	85 - 125	1171

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/20/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
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1,1,2-Trichloroethane	mg/l	0.0500	0.0497	99	85 - 125	1171
1,1,2-Trichloroethane	mg/l	0.0500	0.0494	99	85 - 125	5483
Trichloroethene	mg/l	0.0500	0.0478	96	78 - 125	1171
Trichloroethene	mg/l	0.0500	0.0499	100	78 - 125	1171
Trichloroethene	mg/l	0.0500	0.0477	95	78 - 125	5483
1,2,3-Trichloropropane	mg/l	0.0500	0.0509	102	75 - 130	1171
1,2,3-Trichloropropane	mg/l	0.0500	0.0520	104	75 - 130	1171
1,2,3-Trichloropropane	mg/l	0.0500	0.0542	108	75 - 130	5483
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0485	97	77 - 122	1171
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0498	100	77 - 122	1171
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0488	98	77 - 122	5483
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0493	99	75 - 125	1171
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0517	103	75 - 125	1171
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0504	101	75 - 125	5483
Vinyl chloride	mg/l	0.0500	0.0562	112	61 - 140	1171
Vinyl chloride	mg/l	0.0500	0.0615	123	61 - 140	1171
Vinyl chloride	mg/l	0.0500	0.0535	107	61 - 140	5483
Xylenes (Total)	mg/l	0.150	0.150	100	77 - 126	1171
Xylenes (Total)	mg/l	0.150	0.160	107	77 - 126	1171
Xylenes (Total)	mg/l	0.150	0.160	107	77 - 126	5483
Bromodichloromethane	mg/l	0.0500	0.0498	100	79 - 126	1171
Bromodichloromethane	mg/l	0.0500	0.0508	102	79 - 126	1171
Bromodichloromethane	mg/l	0.0500	0.0494	99	79 - 126	5483
Trichlorofluoromethane	mg/l	0.0500	0.0494	99	60 - 140	1171
Trichlorofluoromethane	mg/l	0.0500	0.0540	108	60 - 140	1171
Trichlorofluoromethane	mg/l	0.0500	0.0477	95	60 - 140	5483
Methane	mg/L	1.33	1.31	98	78 - 120	1912
Ethene	mg/L	2.32	2.31	100	76 - 108	1912
Ethane	mg/L	2.50	2.50	100	77 - 111	1912

Project QC continued . . .

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VOA Surr 1,2-DCA-d4	% Rec	107	73 - 133	1171
VOA Surr 1,2-DCA-d4	% Rec	106	73 - 133	1171
VOA Surr 1,2-DCA-d4	% Rec	110	73 - 133	5483
VOA Surr Toluene-d8	% Rec	109	80 - 121	1171
VOA Surr Toluene-d8	% Rec	108	80 - 121	1171
VOA Surr Toluene-d8	% Rec	112	80 - 121	5483
VOA Surr, 4-BFB	% Rec	105	80 - 128	1171
VOA Surr, 4-BFB	% Rec	104	80 - 128	1171
VOA Surr, 4-BFB	% Rec	106	80 - 128	5483
VOA Surr, DBFM	% Rec	115	81 - 121	1171
VOA Surr, DBFM	% Rec	115	81 - 121	1171
VOA Surr, DBFM	% Rec	113	81 - 121	5483

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
MISC PARAMETERS						
Methane	mg/L	1.33	1.31	98	78 - 120	1912
Ethene	mg/L	2.32	2.31	100	76 - 108	1912
Ethane	mg/L	2.50	2.50	100	77 - 111	1912

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
MISC PARAMETERS						
Nitrate-N as N	mg/l	5.50	5.90	107	90 - 110	1240
Sulfate	mg/l	25.0	24.0	96	90 - 110	3458
Total Organic Carbon	mg/l	200.	196.	98	90 - 110	2701
Sulfide	mg/l	20.00	20.20	101	90 - 110	3762
Sulfide	mg/l	20.00	19.80	99	90 - 110	3766
Chloride	mg/l	10.0	9.35	94	90 - 110	2727
Chloride	mg/l	10.0	9.99	100	90 - 110	2730

Project QC continued . . .

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Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Nitrate-N as N	mg/l	0.840	0.830	1.20	15.	1240	03-A41164
Sulfate	mg/l	66.4	67.4	1.49	15.	3458	03-A41164
Chloride	mg/l	8.33	8.38	0.60	15.	2727	03-A41162
Chloride	mg/l	22.9	22.6	1.32	15.	2730	03-A41835

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Acetone	< 0.00470	mg/l	1171	3/22/03	13:54
Acetone	< 0.00470	mg/l	1171	3/23/03	0:44
Acetone	< 0.00470	mg/l	5483	3/24/03	12:25
Benzene	< 0.0005	mg/l	1171	3/22/03	13:54
Benzene	< 0.0005	mg/l	1171	3/23/03	0:44
Benzene	< 0.0005	mg/l	5483	3/24/03	12:25
Bromobenzene	< 0.00030	mg/l	1171	3/22/03	13:54
Bromobenzene	< 0.00030	mg/l	1171	3/23/03	0:44
Bromobenzene	< 0.00030	mg/l	5483	3/24/03	12:25
Bromochloromethane	< 0.00030	mg/l	1171	3/22/03	13:54
Bromochloromethane	< 0.00030	mg/l	1171	3/23/03	0:44
Bromochloromethane	< 0.00030	mg/l	5483	3/24/03	12:25
Bromoform	< 0.00060	mg/l	1171	3/22/03	13:54
Bromoform	< 0.00060	mg/l	1171	3/23/03	0:44
Bromoform	< 0.00060	mg/l	5483	3/24/03	12:25
Bromomethane	< 0.00060	mg/l	1171	3/22/03	13:54
Bromomethane	< 0.00060	mg/l	1171	3/23/03	0:44
Bromomethane	< 0.00060	mg/l	5483	3/24/03	12:25
2-Butanone	< 0.00310	mg/l	1171	3/22/03	13:54
2-Butanone	< 0.00310	mg/l	1171	3/23/03	0:44
2-Butanone	< 0.00310	mg/l	5483	3/24/03	12:25

Project QC continued . . .

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
n-Butylbenzene	< 0.00010	mg/l	1171	3/22/03	13:54
n-Butylbenzene	< 0.00010	mg/l	1171	3/23/03	0:44
n-Butylbenzene	< 0.00010	mg/l	5483	3/24/03	12:25
sec-Butylbenzene	< 0.00030	mg/l	1171	3/22/03	13:54
sec-Butylbenzene	< 0.00030	mg/l	1171	3/23/03	0:44
sec-Butylbenzene	< 0.00030	mg/l	5483	3/24/03	12:25
t-Butylbenzene	< 0.00030	mg/l	1171	3/22/03	13:54
t-Butylbenzene	< 0.00030	mg/l	1171	3/23/03	0:44
t-Butylbenzene	< 0.00030	mg/l	5483	3/24/03	12:25
Carbon disulfide	< 0.00020	mg/l	1171	3/22/03	13:54
Carbon disulfide	< 0.00020	mg/l	1171	3/23/03	0:44
Carbon disulfide	< 0.00020	mg/l	5483	3/24/03	12:25
Carbon tetrachloride	< 0.00040	mg/l	1171	3/22/03	13:54
Carbon tetrachloride	< 0.00040	mg/l	1171	3/23/03	0:44
Carbon tetrachloride	< 0.00040	mg/l	5483	3/24/03	12:25
Chlorobenzene	< 0.00020	mg/l	1171	3/22/03	13:54
Chlorobenzene	< 0.00020	mg/l	1171	3/23/03	0:44
Chlorobenzene	< 0.00020	mg/l	5483	3/24/03	12:25
Chloroethane	< 0.00100	mg/l	1171	3/22/03	13:54
Chloroethane	< 0.00100	mg/l	1171	3/23/03	0:44
Chloroethane	< 0.00100	mg/l	5483	3/24/03	12:25
Chloroform	< 0.00080	mg/l	1171	3/22/03	13:54
Chloroform	< 0.00080	mg/l	1171	3/23/03	0:44
Chloroform	< 0.00080	mg/l	5483	3/24/03	12:25
Chloromethane	< 0.00070	mg/l	1171	3/22/03	13:54
Chloromethane	< 0.00070	mg/l	1171	3/23/03	0:44
Chloromethane	< 0.00070	mg/l	5483	3/24/03	12:25
2-Chlorotoluene	< 0.00040	mg/l	1171	3/22/03	13:54
2-Chlorotoluene	< 0.00040	mg/l	1171	3/23/03	0:44
2-Chlorotoluene	< 0.00040	mg/l	5483	3/24/03	12:25
4-Chlorotoluene	< 0.00050	mg/l	1171	3/22/03	13:54

Project QC continued . . .

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
4-Chlorotoluene	< 0.00050	mg/l	1171	3/23/03	0:44
4-Chlorotoluene	< 0.00050	mg/l	5483	3/24/03	12:25
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	1171	3/22/03	13:54
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	1171	3/23/03	0:44
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	5483	3/24/03	12:25
Dibromochloromethane	< 0.00050	mg/l	1171	3/22/03	13:54
Dibromochloromethane	< 0.00050	mg/l	1171	3/23/03	0:44
Dibromochloromethane	< 0.00050	mg/l	5483	3/24/03	12:25
1,2-Dibromoethane	< 0.00040	mg/l	1171	3/22/03	13:54
1,2-Dibromoethane	< 0.00040	mg/l	1171	3/23/03	0:44
1,2-Dibromoethane	< 0.00040	mg/l	5483	3/24/03	12:25
Dibromomethane	< 0.00090	mg/l	1171	3/22/03	13:54
Dibromomethane	< 0.00090	mg/l	1171	3/23/03	0:44
Dibromomethane	< 0.00090	mg/l	5483	3/24/03	12:25
1,2-Dichlorobenzene	< 0.00020	mg/l	1171	3/22/03	13:54
1,2-Dichlorobenzene	< 0.00020	mg/l	1171	3/23/03	0:44
1,2-Dichlorobenzene	< 0.00020	mg/l	5483	3/24/03	12:25
1,3-Dichlorobenzene	< 0.00030	mg/l	1171	3/22/03	13:54
1,3-Dichlorobenzene	< 0.00030	mg/l	1171	3/23/03	0:44
1,3-Dichlorobenzene	< 0.00030	mg/l	5483	3/24/03	12:25
1,4-Dichlorobenzene	< 0.00040	mg/l	1171	3/22/03	13:54
1,4-Dichlorobenzene	< 0.00040	mg/l	1171	3/23/03	0:44
1,4-Dichlorobenzene	< 0.00040	mg/l	5483	3/24/03	12:25
Dichlorodifluoromethane	< 0.00050	mg/l	1171	3/22/03	13:54
Dichlorodifluoromethane	< 0.00050	mg/l	1171	3/23/03	0:44
Dichlorodifluoromethane	< 0.00050	mg/l	5483	3/24/03	12:25
1,1-Dichloroethane	< 0.00020	mg/l	1171	3/22/03	13:54
1,1-Dichloroethane	< 0.00020	mg/l	1171	3/23/03	0:44
1,1-Dichloroethane	< 0.00020	mg/l	5483	3/24/03	12:25
1,2-Dichloroethane	< 0.00060	mg/l	1171	3/22/03	13:54
1,2-Dichloroethane	< 0.00060	mg/l	1171	3/23/03	0:44

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Laboratory Receipt Date: 3/20/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,2-Dichloroethane	< 0.00060	mg/l	5483	3/24/03	12:25
1,1-Dichloroethene	< 0.00060	mg/l	1171	3/22/03	13:54
1,1-Dichloroethene	< 0.00060	mg/l	1171	3/23/03	0:44
1,1-Dichloroethene	< 0.00060	mg/l	5483	3/24/03	12:25
cis-1,2-Dichloroethene	< 0.00060	mg/l	1171	3/22/03	13:54
cis-1,2-Dichloroethene	< 0.00060	mg/l	1171	3/23/03	0:44
cis-1,2-Dichloroethene	< 0.00060	mg/l	5483	3/24/03	12:25
trans-1,2-Dichloroethene	< 0.00050	mg/l	1171	3/22/03	13:54
trans-1,2-Dichloroethene	< 0.00050	mg/l	1171	3/23/03	0:44
trans-1,2-Dichloroethene	< 0.00050	mg/l	5483	3/24/03	12:25
1,2-Dichloropropane	< 0.00040	mg/l	1171	3/22/03	13:54
1,2-Dichloropropane	< 0.00040	mg/l	1171	3/23/03	0:44
1,2-Dichloropropane	< 0.00040	mg/l	5483	3/24/03	12:25
1,3-Dichloropropane	< 0.00040	mg/l	1171	3/22/03	13:54
1,3-Dichloropropane	< 0.00040	mg/l	1171	3/23/03	0:44
1,3-Dichloropropane	< 0.00040	mg/l	5483	3/24/03	12:25
2,2-Dichloropropane	< 0.00040	mg/l	1171	3/22/03	13:54
2,2-Dichloropropane	< 0.00040	mg/l	1171	3/23/03	0:44
2,2-Dichloropropane	< 0.00040	mg/l	5483	3/24/03	12:25
1,1-Dichloropropene	< 0.00050	mg/l	1171	3/22/03	13:54
1,1-Dichloropropene	< 0.00050	mg/l	1171	3/23/03	0:44
1,1-Dichloropropene	< 0.00050	mg/l	5483	3/24/03	12:25
cis-1,3-Dichloropropene	< 0.00030	mg/l	1171	3/22/03	13:54
cis-1,3-Dichloropropene	< 0.00030	mg/l	1171	3/23/03	0:44
cis-1,3-Dichloropropene	< 0.00030	mg/l	5483	3/24/03	12:25
trans-1,3-Dichloropropene	< 0.00050	mg/l	1171	3/22/03	13:54
trans-1,3-Dichloropropene	< 0.00050	mg/l	1171	3/23/03	0:44
trans-1,3-Dichloropropene	< 0.00050	mg/l	5483	3/24/03	12:25
Ethylbenzene	< 0.0003	mg/l	1171	3/22/03	13:54
Ethylbenzene	< 0.0003	mg/l	1171	3/23/03	0:44
Ethylbenzene	< 0.0003	mg/l	5483	3/24/03	12:25

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Laboratory Receipt Date: 3/20/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Hexachlorobutadiene	< 0.00080	mg/l	1171	3/22/03	13:54
Hexachlorobutadiene	< 0.00080	mg/l	1171	3/23/03	0:44
Hexachlorobutadiene	< 0.00080	mg/l	5483	3/24/03	12:25
2-Hexanone	< 0.00420	mg/l	1171	3/22/03	13:54
2-Hexanone	< 0.00420	mg/l	1171	3/23/03	0:44
2-Hexanone	< 0.00420	mg/l	5483	3/24/03	12:25
Isopropylbenzene	< 0.00040	mg/l	1171	3/22/03	13:54
Isopropylbenzene	< 0.00040	mg/l	1171	3/23/03	0:44
Isopropylbenzene	< 0.00040	mg/l	5483	3/24/03	12:25
4-Isopropyltoluene	< 0.00060	mg/l	1171	3/22/03	13:54
4-Isopropyltoluene	< 0.00060	mg/l	1171	3/23/03	0:44
4-Isopropyltoluene	< 0.00060	mg/l	5483	3/24/03	12:25
4-Methyl-2-pentanone	< 0.00490	mg/l	1171	3/22/03	13:54
4-Methyl-2-pentanone	< 0.00490	mg/l	1171	3/23/03	0:44
4-Methyl-2-pentanone	< 0.00490	mg/l	5483	3/24/03	12:25
Methylene chloride	< 0.00240	mg/l	1171	3/22/03	13:54
Methylene chloride	< 0.00240	mg/l	1171	3/23/03	0:44
Methylene chloride	< 0.00240	mg/l	5483	3/24/03	12:25
Naphthalene	< 0.00120	mg/l	1171	3/22/03	13:54
Naphthalene	< 0.00120	mg/l	1171	3/23/03	0:44
Naphthalene	< 0.00120	mg/l	5483	3/24/03	12:25
n-Propylbenzene	< 0.00030	mg/l	1171	3/22/03	13:54
n-Propylbenzene	< 0.00030	mg/l	1171	3/23/03	0:44
n-Propylbenzene	< 0.00030	mg/l	5483	3/24/03	12:25
Styrene	< 0.00040	mg/l	1171	3/22/03	13:54
Styrene	< 0.00040	mg/l	1171	3/23/03	0:44
Styrene	< 0.00040	mg/l	5483	3/24/03	12:25
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	1171	3/22/03	13:54
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	1171	3/23/03	0:44
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	5483	3/24/03	12:25
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	1171	3/22/03	13:54

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/20/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	1171	3/23/03	0:44
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	5483	3/24/03	12:25
Tetrachloroethene	< 0.00040	mg/l	1171	3/22/03	13:54
Tetrachloroethene	< 0.00040	mg/l	1171	3/23/03	0:44
Tetrachloroethene	< 0.00040	mg/l	5483	3/24/03	12:25
Toluene	< 0.0006	mg/l	1171	3/22/03	13:54
Toluene	< 0.0006	mg/l	1171	3/23/03	0:44
Toluene	< 0.0006	mg/l	5483	3/24/03	12:25
1,2,3-Trichlorobenzene	< 0.00100	mg/l	1171	3/22/03	13:54
1,2,3-Trichlorobenzene	< 0.00100	mg/l	1171	3/23/03	0:44
1,2,3-Trichlorobenzene	< 0.00100	mg/l	5483	3/24/03	12:25
1,2,4-Trichlorobenzene	< 0.00060	mg/l	1171	3/22/03	13:54
1,2,4-Trichlorobenzene	< 0.00060	mg/l	1171	3/23/03	0:44
1,2,4-Trichlorobenzene	< 0.00060	mg/l	5483	3/24/03	12:25
1,1,1-Trichloroethane	< 0.00070	mg/l	1171	3/22/03	13:54
1,1,1-Trichloroethane	< 0.00070	mg/l	1171	3/23/03	0:44
1,1,1-Trichloroethane	< 0.00070	mg/l	5483	3/24/03	12:25
1,1,2-Trichloroethane	< 0.00040	mg/l	1171	3/22/03	13:54
1,1,2-Trichloroethane	< 0.00040	mg/l	1171	3/23/03	0:44
1,1,2-Trichloroethane	< 0.00040	mg/l	5483	3/24/03	12:25
Trichloroethene	< 0.00040	mg/l	1171	3/22/03	13:54
Trichloroethene	< 0.00040	mg/l	1171	3/23/03	0:44
Trichloroethene	< 0.00040	mg/l	5483	3/24/03	12:25
1,2,3-Trichloropropane	< 0.00060	mg/l	1171	3/22/03	13:54
1,2,3-Trichloropropane	< 0.00060	mg/l	1171	3/23/03	0:44
1,2,3-Trichloropropane	< 0.00060	mg/l	5483	3/24/03	12:25
1,2,4-Trimethylbenzene	< 0.0003	mg/l	1171	3/22/03	13:54
1,2,4-Trimethylbenzene	< 0.0003	mg/l	1171	3/23/03	0:44
1,2,4-Trimethylbenzene	< 0.0003	mg/l	5483	3/24/03	12:25
1,3,5-Trimethylbenzene	< 0.00100	mg/l	1171	3/22/03	13:54
1,3,5-Trimethylbenzene	< 0.00100	mg/l	1171	3/23/03	0:44

Project QC continued . . .

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,3,5-Trimethylbenzene	< 0.00100	mg/l	5483	3/24/03	12:25
Vinyl chloride	< 0.00050	mg/l	1171	3/22/03	13:54
Vinyl chloride	< 0.00050	mg/l	1171	3/23/03	0:44
Vinyl chloride	< 0.00050	mg/l	5483	3/24/03	12:25
Xylenes (Total)	< 0.0009	mg/l	1171	3/22/03	13:54
Xylenes (Total)	< 0.0009	mg/l	1171	3/23/03	0:44
Xylenes (Total)	< 0.0009	mg/l	5483	3/24/03	12:25
Bromodichloromethane	< 0.00030	mg/l	1171	3/22/03	13:54
Bromodichloromethane	< 0.00030	mg/l	1171	3/23/03	0:44
Bromodichloromethane	< 0.00030	mg/l	5483	3/24/03	12:25
Trichlorofluoromethane	< 0.00040	mg/l	1171	3/22/03	13:54
Trichlorofluoromethane	< 0.00040	mg/l	1171	3/23/03	0:44
Trichlorofluoromethane	< 0.00040	mg/l	5483	3/24/03	12:25
VOA Surr 1,2-DCA-d4	106.	% Rec	1171	3/22/03	13:54
VOA Surr 1,2-DCA-d4	106.	% Rec	1171	3/23/03	0:44
VOA Surr 1,2-DCA-d4	102.	% Rec	5483	3/24/03	12:25
VOA Surr Toluene-d8	109.	% Rec	1171	3/22/03	13:54
VOA Surr Toluene-d8	109.	% Rec	1171	3/23/03	0:44
VOA Surr Toluene-d8	111.	% Rec	5483	3/24/03	12:25
VOA Surr, 4-BFB	102.	% Rec	1171	3/22/03	13:54
VOA Surr, 4-BFB	103.	% Rec	1171	3/23/03	0:44
VOA Surr, 4-BFB	102.	% Rec	5483	3/24/03	12:25
VOA Surr, DBFM	111.	% Rec	1171	3/22/03	13:54
VOA Surr, DBFM	114.	% Rec	1171	3/23/03	0:44
VOA Surr, DBFM	112.	% Rec	5483	3/24/03	12:25

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 19

Laboratory Receipt Date: 3/20/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----

MISC PARAMETERS

Nitrate-N as N	< 0.100	mg/l	1240	3/20/03	22:46
Sulfate	< 1.00	mg/l	3458	3/24/03	10:54
Total Organic Carbon	< 1.00	mg/l	2701	3/22/03	13:00
Sulfide	< 1.000	mg/l	3762	3/25/03	15:30
Sulfide	< 1.000	mg/l	3766	3/26/03	16:30
Chloride	< 1.00	mg/l	2727	3/24/03	14:22
Chloride	< 1.00	mg/l	2730	3/24/03	13:26

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----

MISC PARAMETERS

Methane	< 0.026	mg/L	1912	3/21/03	9:47
Ethene	< 0.026	mg/L	1912	3/21/03	9:47
Ethane	< 0.026	mg/L	1912	3/21/03	9:47

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 324484

324484

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 Peever

Sampler Signature: Janna Peever

Project Name: Former Taylor Instruments

Project #: 51870.9

Site/Location ID: Rochester State: NY

Report To: Rick Ryan Janna Peever

Invoice To: Rick Ryan

Quote #: 121102-217-199 PO#: MEC 03030015

TAT ☒ Standard ☐ Rush (surcharges may apply)	Date Needed:	Fax Results: Y ☒	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								Analyze For:										QC Deliverables None ☒ Level 2 (Batch QC) Level 3 Level 4 Other:	REMARKS
									HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	VOCs (8260)	Chloride (325.1)	alkalinity (310.1)	Carbon dioxide (4500B)	Nitrate (353.2)	Sulfate (375.4)	Sulfide (376.1)	Methane/Ethane/Ethene (8015M)	TOC (415.1)	Fe(II) (6010F)			
			TW-20	3/19/03	854	G		GW	9	1			6				3	1	1	2	1	1	1	3	2	1	41160	
			TW-07	3/19/03	1035	G		GW	9	1			6				3	1	1	2	1	1	1	3	2	1	161	
			TW-09	3/19/03	1256	G		GW	9	1			6				3	1	1	2	1	1	1	3	2	1	161	
			OB-09	3/19/03	1425	G		GW	9	1			6				3	1	1	2	1	1	1	3	2	1	163	
			OB-07	3/19/03	1558	G		GW	9	1			6				3	1	1	2	1	1	1	3	2	1	164	
			OB-07 (MS)	3/19/03	1619	G		GW	3								3											
			OB-07 (MSD)	3/19/03	1619	G		GW	3								3											
Special Instructions:																												
LABORATORY COMMENTS:																												
Init Lab Temp:																												
Rec Lab Temp:																												
Custody Seals: Y N N/A																												
Bottles Supplied by Test America: Y N																												
Method of Shipment:																												
Relinquished By: <u>Janna Peever</u>				Date: <u>3/19/03</u>		Time: <u>7:00</u>		Received By:				Date:		Time:														
Relinquished By:				Date:		Time:		Received By:				Date:		Time:														
Relinquished By:				Date:		Time:		Received By: <u>CW</u>				Date: <u>3/20/03</u>		Time: <u>5:10</u>														

March 20, 2003
Analytical Data

3/28/03

MACTEC ENGINEERING 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: 324627.

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.

Page 1

Sample Identification	Lab Number	Collection Date
-----	-----	-----
W-5	03-A41824	3/20/03
W-5 (DUP)	03-A41825	3/20/03
OB-06	03-A41826	3/20/03
BR-08	03-A41827	3/20/03
BR-17	03-A41828	3/20/03

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: *Paul E. Lane, Jr.*

Report Date: 3/28/03

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

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

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

Lab Number: 03-A41824
Sample ID: W-5
Sample Type: Ground water
Site ID:

Date Collected: 3/20/03
Time Collected: 8:50
Date Received: 3/21/03
Time Received: 8:15
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	3/25/03	0:30	C. Wani	8260B	5487
Benzene	ND	mg/l	0.0010	1	3/25/03	0:30	C. Wani	8260B	5487
Bromobenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Bromochloromethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Bromoform	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Bromomethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
2-Butanone	ND	mg/l	0.0250	1	3/25/03	0:30	C. Wani	8260B	5487
n-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
sec-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
t-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Carbon disulfide	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Carbon tetrachloride	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Chlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Chloroethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Chloroform	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Chloromethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
2-Chlorotoluene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
4-Chlorotoluene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/25/03	0:30	C. Wani	8260B	5487
Dibromochloromethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Dibromomethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487

Report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41824
Sample ID: W-5
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
cis-1,2-Dichloroethene	0.132	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
trans-1,2-Dichloroethene	0.00340	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Ethylbenzene	ND	mg/l	0.0010	1	3/25/03	0:30	C. Wani	8260B	5487
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
2-Hexanone	ND	mg/l	0.00500	1	3/25/03	0:30	C. Wani	8260B	5487
Isopropylbenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/25/03	0:30	C. Wani	8260B	5487
Methylene chloride	ND	mg/l	0.00250	1	3/25/03	0:30	C. Wani	8260B	5487
Naphthalene	ND	mg/l	0.00500	1	3/25/03	0:30	C. Wani	8260B	5487
n-Propylbenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Styrene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Tetrachloroethene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Toluene	ND	mg/l	0.0010	1	3/25/03	0:30	C. Wani	8260B	5487
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Trichloroethene	0.262	mg/l	0.00200	2	3/26/03	1:21	C. Wani	8260B	5497
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/25/03	0:30	C. Wani	8260B	5487
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Vinyl chloride	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
Xylenes (Total)	ND	mg/l	0.0010	1	3/25/03	0:30	C. Wani	8260B	5487
Bromodichloromethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487

Report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41824
Sample ID: W-5
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/25/03	0:30	C. Wani	8260B	5487
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	3/24/03	11:01	K. Burritt	RSK175M	3230
Carbon Dioxide	8.7	mg/l	3.0	1	3/21/03	1:00	T. Beverly	SM4500CO2C	2178
Ethene	ND	mg/L	0.026	1	3/24/03	11:01	K. Burritt	RSK175M	3230
Ethane	ND	mg/L	0.026	1	3/24/03	11:01	K. Burritt	RSK175M	3230
METALS									
Ferrous Iron	0.392	mg/l	0.100	1	3/21/03	15:26	S. Duncan	3500D	2106
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1	3/21/03	18:31	W. Choate	353.2	2093
Sulfate	136.	mg/l	5.00	5	3/26/03	11:00	M.Shockley	375.4	5253
Alkalinity as CaCO3	364.	mg/l	5.00	1	3/22/03	21:21	J. Hill	310.1	1250
Total Organic Carbon	ND	mg/l	1.00	1	3/25/03	12:30	M.Checolle	415.1	3258
Sulfide	ND	mg/l	1.000	1	3/27/03	16:50	B. Yanna	376.1	6608
Chloride	24.3	mg/l	1.00	1	3/24/03	14:33	S. Duncan	325.2	2730

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	107.	73. - 133.
VOA Surr Toluene-d8	118.	80. - 121.
VOA Surr, 4-BFB	107.	80. - 128.
VOA Surr, DBFM	116.	81. - 121.

ple report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41824
Sample ID: W-5
Project: 51870.9
Page 4

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

M = Method RSK175 modified for use with Headspace analyzer.

Sample for Ferrous Iron analysis received outside method
prescribed holding time.

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 PEELER

Lab Number: 03-A41825
Sample ID: W-5 (DUP)
Sample Type: Ground water
Site ID:

Date Collected: 3/20/03
Time Collected: 9:14
Date Received: 3/21/03
Time Received: 8:15
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	3/25/03	0:59	C. Wani	8260B	5487
Benzene	ND	mg/l	0.0010	1	3/25/03	0:59	C. Wani	8260B	5487
Bromobenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Bromochloromethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Bromoform	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Bromomethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
2-Butanone	ND	mg/l	0.0250	1	3/25/03	0:59	C. Wani	8260B	5487
n-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
sec-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
t-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Carbon disulfide	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Carbon tetrachloride	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Chlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Chloroethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Chloroform	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Chloromethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
2-Chlorotoluene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
4-Chlorotoluene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/25/03	0:59	C. Wani	8260B	5487
Dibromochloromethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Dibromomethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487

le report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41825

Sample ID: W-5 (DUP)

Project: 51870.9

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
cis-1,2-Dichloroethene	0.119	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
trans-1,2-Dichloroethene	0.00330	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Ethylbenzene	ND	mg/l	0.0010	1	3/25/03	0:59	C. Wani	8260B	5487
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
2-Hexanone	ND	mg/l	0.00500	1	3/25/03	0:59	C. Wani	8260B	5487
Isopropylbenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/25/03	0:59	C. Wani	8260B	5487
Methylene chloride	ND	mg/l	0.00250	1	3/25/03	0:59	C. Wani	8260B	5487
Naphthalene	ND	mg/l	0.00500	1	3/25/03	0:59	C. Wani	8260B	5487
n-Propylbenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Styrene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Tetrachloroethene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Toluene	ND	mg/l	0.0010	1	3/25/03	0:59	C. Wani	8260B	5487
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Trichloroethene	0.232	mg/l	0.00200	2	3/26/03	1:50	C. Wani	8260B	5497
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/25/03	0:59	C. Wani	8260B	5487
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Vinyl chloride	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487
Xylenes (Total)	ND	mg/l	0.0010	1	3/25/03	0:59	C. Wani	8260B	5487
Bromodichloromethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487

le report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41825
Sample ID: W-5 (DUP)
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/25/03	0:59	C. Wani	8260B	5487

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	73. - 133.
VOA Surr Toluene-d8	119.	80. - 121.
VOA Surr, 4-BFB	105.	80. - 128.
VOA Surr, DBFM	112.	81. - 121.

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.

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 PEELER

Lab Number: 03-A41826

Sample ID: OB-06

Sample Type: Ground water

Site ID:

Date Collected: 3/20/03

Time Collected: 10:54

Date Received: 3/21/03

Time Received: 8:15

Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	3/25/03	1:29	C. Wani	8260B	5487
Benzene	ND	mg/l	0.0010	1	3/25/03	1:29	C. Wani	8260B	5487
Bromobenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Bromochloromethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Bromoform	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Bromomethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
2-Butanone	ND	mg/l	0.0250	1	3/25/03	1:29	C. Wani	8260B	5487
n-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
sec-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
t-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Carbon disulfide	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Carbon tetrachloride	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Chlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Chloroethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Chloroform	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Chloromethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
2-Chlorotoluene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
4-Chlorotoluene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/25/03	1:29	C. Wani	8260B	5487
Dibromochloromethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Dibromomethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487

le report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41826
Sample ID: OB-06
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
cis-1,2-Dichloroethene	0.00150	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Ethylbenzene	ND	mg/l	0.0010	1	3/25/03	1:29	C. Wani	8260B	5487
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
2-Hexanone	ND	mg/l	0.00500	1	3/25/03	1:29	C. Wani	8260B	5487
Isopropylbenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/25/03	1:29	C. Wani	8260B	5487
Methylene chloride	ND	mg/l	0.00250	1	3/25/03	1:29	C. Wani	8260B	5487
Naphthalene	ND	mg/l	0.00500	1	3/25/03	1:29	C. Wani	8260B	5487
n-Propylbenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Styrene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Tetrachloroethene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Toluene	ND	mg/l	0.0010	1	3/25/03	1:29	C. Wani	8260B	5487
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Trichloroethene	0.0849	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/25/03	1:29	C. Wani	8260B	5487
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Vinyl chloride	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487
Xylenes (Total)	ND	mg/l	0.0010	1	3/25/03	1:29	C. Wani	8260B	5487
Bromodichloromethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41826
Sample ID: OB-06
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/25/03	1:29	C. Wani	8260B	5487

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	73. - 133.
VOA Surr Toluene-d8	109.	80. - 121.
VOA Surr, 4-BFB	105.	80. - 128.
VOA Surr, DBFM	114.	81. - 121.

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.

ANALYTICAL REPORT

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

Lab Number: 03-A41827
Sample ID: BR-08
Sample Type: Ground water
Site ID:

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

Date Collected: 3/20/03
Time Collected: 11:52
Date Received: 3/21/03
Time Received: 8:15
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.0469	mg/l	0.0250	1	3/25/03	1:58	C. Wani	8260B	5487
Benzene	0.0030	mg/l	0.0010	1	3/25/03	1:58	C. Wani	8260B	5487
Bromobenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Bromochloromethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Bromoform	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Bromomethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
2-Butanone	ND	mg/l	0.0250	1	3/25/03	1:58	C. Wani	8260B	5487
n-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
sec-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
t-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Carbon disulfide	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Carbon tetrachloride	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Chlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Chloroethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Chloroform	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Chloromethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
2-Chlorotoluene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
4-Chlorotoluene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,2-Dibromo-3-Chloropropane	ND	mg/l	0.00500	1	3/25/03	1:58	C. Wani	8260B	5487
Dibromochloromethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Dibromomethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487

le report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41827
Sample ID: BR-08
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
cis-1,2-Dichloroethene	0.150	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Ethylbenzene	0.0012	mg/l	0.0010	1	3/25/03	1:58	C. Wani	8260B	5487
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
2-Hexanone	ND	mg/l	0.00500	1	3/25/03	1:58	C. Wani	8260B	5487
Isopropylbenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/25/03	1:58	C. Wani	8260B	5487
Methylene chloride	ND	mg/l	0.00250	1	3/25/03	1:58	C. Wani	8260B	5487
Naphthalene	ND	mg/l	0.00500	1	3/25/03	1:58	C. Wani	8260B	5487
n-Propylbenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Styrene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Tetrachloroethene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Toluene	0.0110	mg/l	0.0010	1	3/25/03	1:58	C. Wani	8260B	5487
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Trichloroethene	0.256	mg/l	0.00200	2	3/26/03	2:20	C. Wani	8260B	5497
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
1,2,4-Trimethylbenzene	0.0020	mg/l	0.0010	1	3/25/03	1:58	C. Wani	8260B	5487
1,3,5-Trimethylbenzene	0.00130	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Vinyl chloride	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487
Xylenes (Total)	0.0078	mg/l	0.0010	1	3/25/03	1:58	C. Wani	8260B	5487
Bromodichloromethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487

Report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41827
Sample ID: BR-08
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/25/03	1:58	C. Wani	8260B	5487

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	73. - 133.
VOA Surr Toluene-d8	119.	80. - 121.
VOA Surr, 4-BFB	105.	80. - 128.
VOA Surr, DBFM	113.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Project: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Sampler: JANNA PEELER

Lab Number: 03-A41828

Sample ID: BR-17

Sample Type: Ground water

Site ID:

Date Collected: 3/20/03

Time Collected: 13:35

Date Received: 3/21/03

Time Received: 8:15

Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0250	1	3/25/03	2:28	C. Wani	8260B	5487
Benzene	ND	mg/l	0.0010	1	3/25/03	2:28	C. Wani	8260B	5487
Bromobenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Bromochloromethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Bromoform	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Bromomethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
2-Butanone	ND	mg/l	0.0250	1	3/25/03	2:28	C. Wani	8260B	5487
n-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
sec-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
t-Butylbenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Carbon disulfide	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Carbon tetrachloride	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Chlorobenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Chloroethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Chloroform	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Chloromethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
2-Chlorotoluene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
4-Chlorotoluene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/25/03	2:28	C. Wani	8260B	5487
Dibromochloromethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Dibromomethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487

Report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41828
Sample ID: BR-17
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,1-Dichloroethene	0.00330	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
cis-1,2-Dichloroethene	0.159	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
trans-1,2-Dichloroethene	0.0410	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Ethylbenzene	ND	mg/l	0.0010	1	3/25/03	2:28	C. Wani	8260B	5487
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
2-Hexanone	ND	mg/l	0.00500	1	3/25/03	2:28	C. Wani	8260B	5487
Isopropylbenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/25/03	2:28	C. Wani	8260B	5487
Methylene chloride	ND	mg/l	0.00250	1	3/25/03	2:28	C. Wani	8260B	5487
Naphthalene	ND	mg/l	0.00500	1	3/25/03	2:28	C. Wani	8260B	5487
n-Propylbenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Styrene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Tetrachloroethene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Toluene	ND	mg/l	0.0010	1	3/25/03	2:28	C. Wani	8260B	5487
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Trichloroethene	2.02	mg/l	0.0200	20	3/26/03	2:49	C. Wani	8260B	5497
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/25/03	2:28	C. Wani	8260B	5487
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Vinyl chloride	0.0363	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487
Xylenes (Total)	ND	mg/l	0.0010	1	3/25/03	2:28	C. Wani	8260B	5487
Bromodichloromethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487

Report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A41828
Sample ID: BR-17
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/25/03	2:28	C. Wani	8260B	5487

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	73. - 133.
VOA Surr Toluene-d8	120.	80. - 121.
VOA Surr, 4-BFB	107.	80. - 128.
VOA Surr, DBFM	117.	81. - 121.

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.

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 1

Laboratory Receipt Date: 3/21/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS								
Benzene	mg/l	0.0042	0.0600	0.0500	112	78. - 132.	5487	03-A43189
Toluene	mg/l	< 0.0010	0.0602	0.0500	120	77. - 134.	5487	03-A43189
Trichloroethene	mg/l	< 0.00040	0.0506	0.0500	101	73. - 137.	5497	blank
VOA Surr 1,2-DCA-d4	% Rec				102	73. - 133.	5487	
VOA Surr 1,2-DCA-d4	% Rec				100	73. - 133.	5497	
VOA Surr Toluene-d8	% Rec				116	80. - 121.	5487	
VOA Surr Toluene-d8	% Rec				117	80. - 121.	5497	
VOA Surr, 4-BFB	% Rec				105	80. - 128.	5487	
VOA Surr, 4-BFB	% Rec				107	80. - 128.	5497	
VOA Surr, DBFM	% Rec				115	81. - 121.	5487	
VOA Surr, DBFM	% Rec				114	81. - 121.	5497	

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS								
Nitrate-N as N	mg/l	< 0.100	5.39	5.50	98	80 - 120	2093	03-A41852
Nitrate-N as N	mg/l	< 0.100	5.40	5.50	98	80 - 120	2093	03-A41852
Sulfate	mg/l	14.6	52.2	40.0	94	80 - 120	5253	03-A44141
Sulfide	mg/l	3.200	23.80	20.00	103	80 - 120	6608	03-A41523
Chloride	mg/l	7.11	17.5	10.0	104	80 - 120	2730	03-A41163

ject QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 2

Laboratory Receipt Date: 3/21/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS								
Methane	mg/L	< 0.026	1.13	1.33	85	40 - 140	3230	03-A42142

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Benzene	mg/l	0.0600	0.0606	1.00	15.	5487
Chlorobenzene	mg/l	0.0578	0.0589	1.89	16.	5487
1,1-Dichloroethene	mg/l	0.0595	0.0620	4.12	19.	5487
Toluene	mg/l	0.0602	0.0612	1.65	16.	5487
Trichloroethene	mg/l	0.225	0.229	1.76	20.	5487
Trichloroethene	mg/l	0.0506	0.0496	2.00	20.	5497
Tetrachloroethene	mg/l	0.0581	0.0583	0.34	23.	5487
VOA Surr 1,2-DCA-d4	% Rec		103.			5487
VOA Surr 1,2-DCA-d4	% Rec		102.			5497
VOA Surr Toluene-d8	% Rec		116.			5487
VOA Surr Toluene-d8	% Rec		112.			5497
VOA Surr, 4-BFB	% Rec		105.			5487
VOA Surr, 4-BFB	% Rec		107.			5497
VOA Surr, DBFM	% Rec		116.			5487
VOA Surr, DBFM	% Rec		114.			5497

ect QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/21/03

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Methane	mg/L	1.13	1.15	1.75	50	3230
Ethene	mg/L	1.98	2.00	1.01	50	3230
Ethane	mg/L	2.09	2.14	2.36	50	3230

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Nitrate-N as N	mg/l	5.39	5.40	0.19	20	2093
Sulfate	mg/l	52.2	51.8	0.77	20	5253
Total Organic Carbon	mg/l	25.5	25.3	0.79	20	3258
Sulfide	mg/l	23.80	25.90	8.45	20	6608
Chloride	mg/l	17.5	17.8	1.70	20	2730

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Acetone	mg/l	0.250	0.244	98	60 - 154	5487
Benzene	mg/l	0.0500	0.0515	103	78 - 127	5487
Bromobenzene	mg/l	0.0500	0.0529	106	80 - 120	5487
Bromochloromethane	mg/l	0.0500	0.0532	106	66 - 137	5487
Bromoform	mg/l	0.0500	0.0482	96	66 - 129	5487
Bromomethane	mg/l	0.0500	0.0550	110	47 - 163	5487
2-Butanone	mg/l	0.250	0.268	107	75 - 140	5487

ect QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/21/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
n-Butylbenzene	mg/l	0.0500	0.0445	89	61 - 131	5487
sec-Butylbenzene	mg/l	0.0500	0.0467	93	72 - 124	5487
t-Butylbenzene	mg/l	0.0500	0.0511	102	74 - 123	5487
Carbon disulfide	mg/l	0.0500	0.0570	114	67 - 138	5487
Carbon tetrachloride	mg/l	0.0500	0.0510	102	69 - 132	5487
Chlorobenzene	mg/l	0.0500	0.0536	107	81 - 120	5487
Chloroethane	mg/l	0.0500	0.0519	104	65 - 134	5487
Chloroform	mg/l	0.0500	0.0512	102	77 - 125	5487
Chloromethane	mg/l	0.0500	0.0540	108	43 - 142	5487
2-Chlorotoluene	mg/l	0.0500	0.0493	99	76 - 126	5487
4-Chlorotoluene	mg/l	0.0500	0.0500	100	79 - 123	5487
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0452	90	64 - 132	5487
Dibromochloromethane	mg/l	0.0500	0.0520	104	78 - 124	5487
1,2-Dibromoethane	mg/l	0.0500	0.0554	111	79 - 126	5487
Dibromomethane	mg/l	0.0500	0.0523	105	75 - 131	5487
1,2-Dichlorobenzene	mg/l	0.0500	0.0522	104	80 - 120	5487
1,3-Dichlorobenzene	mg/l	0.0500	0.0530	106	79 - 120	5487
1,4-Dichlorobenzene	mg/l	0.0500	0.0506	101	78 - 118	5487
Dichlorodifluoromethane	mg/l	0.0500	0.0569	114	45 - 149	5487
1,1-Dichloroethane	mg/l	0.0500	0.0528	106	73 - 128	5487
1,2-Dichloroethane	mg/l	0.0500	0.0510	102	71 - 135	5487
1,1-Dichloroethene	mg/l	0.0500	0.0509	102	72 - 128	5487
cis-1,2-Dichloroethene	mg/l	0.0500	0.0490	98	76 - 127	5487
trans-1,2-Dichloroethene	mg/l	0.0500	0.0517	103	71 - 131	5487
1,2-Dichloropropane	mg/l	0.0500	0.0459	92	75 - 127	5487
1,3-Dichloropropane	mg/l	0.0500	0.0520	104	81 - 128	5487
2,2-Dichloropropane	mg/l	0.0500	0.0405	81	45 - 145	5487
1,1-Dichloropropene	mg/l	0.0500	0.0503	101	76 - 127	5487
cis-1,3-Dichloropropene	mg/l	0.0500	0.0484	97	72 - 131	5487
trans-1,3-Dichloropropene	mg/l	0.0500	0.0491	98	69 - 131	5487
Ethylbenzene	mg/l	0.0500	0.0522	104	78 - 125	5487

ect QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/21/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Hexachlorobutadiene	mg/l	0.0500	0.0425	85	59 - 126	5487
2-Hexanone	mg/l	0.250	0.284	114	71 - 142	5487
Isopropylbenzene	mg/l	0.0500	0.0506	101	78 - 123	5487
4-Isopropyltoluene	mg/l	0.0500	0.0462	92	73 - 125	5487
4-Methyl-2-pentanone	mg/l	0.250	0.271	108	71 - 141	5487
Methylene chloride	mg/l	0.0500	0.0492	98	70 - 140	5487
Naphthalene	mg/l	0.0500	0.0497	99	52 - 140	5487
n-Propylbenzene	mg/l	0.0500	0.0493	99	75 - 125	5487
Styrene	mg/l	0.0500	0.0576	115	82 - 122	5487
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0527	105	85 - 123	5487
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0566	113	74 - 133	5487
Tetrachloroethene	mg/l	0.0500	0.0491	98	76 - 123	5487
Toluene	mg/l	0.0500	0.0520	104	78 - 127	5487
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0523	105	59 - 132	5487
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0467	93	60 - 133	5487
1,1,1-Trichloroethane	mg/l	0.0500	0.0504	101	74 - 128	5487
1,1,2-Trichloroethane	mg/l	0.0500	0.0531	106	85 - 125	5487
Trichloroethene	mg/l	0.0500	0.0480	96	78 - 125	5487
Trichloroethene	mg/l	0.0500	0.0472	94	78 - 125	5497
Trichloroethene	mg/l	0.0500	0.0492	98	78 - 125	5497
1,2,3-Trichloropropane	mg/l	0.0500	0.0561	112	75 - 130	5487
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0487	97	77 - 122	5487
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0501	100	75 - 125	5487
Vinyl chloride	mg/l	0.0500	0.0538	108	61 - 140	5487
Xylenes (Total)	mg/l	0.150	0.162	108	77 - 126	5487
Bromodichloromethane	mg/l	0.0500	0.0492	98	79 - 126	5487
Trichlorofluoromethane	mg/l	0.0500	0.0477	95	60 - 140	5487
Methane	mg/L	1.33	1.15	86	78 - 120	3230
Ethene	mg/L	2.32	2.03	88	76 - 108	3230
Ethane	mg/L	2.50	2.16	86	77 - 111	3230

ect QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/21/03

VOA Surr 1,2-DCA-d4	% Rec	111	73 - 133	5487
VOA Surr 1,2-DCA-d4	% Rec	102	73 - 133	5497
VOA Surr 1,2-DCA-d4	% Rec	102	73 - 133	5497
VOA Surr Toluene-d8	% Rec	113	80 - 121	5487
VOA Surr Toluene-d8	% Rec	118	80 - 121	5497
VOA Surr Toluene-d8	% Rec	116	80 - 121	5497
VOA Surr, 4-BFB	% Rec	109	80 - 128	5487
VOA Surr, 4-BFB	% Rec	106	80 - 128	5497
VOA Surr, 4-BFB	% Rec	108	80 - 128	5497
VOA Surr, DBFM	% Rec	113	81 - 121	5487
VOA Surr, DBFM	% Rec	115	81 - 121	5497
VOA Surr, DBFM	% Rec	114	81 - 121	5497

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Methane	mg/L	1.33	1.15	86	78 - 120	3230
Ethene	mg/L	2.32	2.03	88	76 - 108	3230
Ethane	mg/L	2.50	2.16	86	77 - 111	3230

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Nitrate-N as N	mg/l	5.50	6.00	109	90 - 110	2093
Sulfate	mg/l	25.0	24.2	97	90 - 110	5253
Total Organic Carbon	mg/l	200.	190.	95	90 - 110	3258
Sulfide	mg/l	20.00	19.90	100	90 - 110	6608
Chloride	mg/l	10.0	9.99	100	90 - 110	2730

ect QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/21/03

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Nitrate-N as N	mg/l	< 0.100	< 0.100	N/A	15.	2093	03-A41824
Sulfate	mg/l	21.0	21.2	0.95	15.	5253	03-A44139
Chloride	mg/l	22.9	22.6	1.32	15.	2730	03-A41835

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
---------	-------------	-------	------------	---------------	---------------

VOA PARAMETERS

Acetone	< 0.00470	mg/l	5487	3/24/03	23:31
Benzene	< 0.0005	mg/l	5487	3/24/03	23:31
Bromobenzene	< 0.00030	mg/l	5487	3/24/03	23:31
Bromochloromethane	< 0.00030	mg/l	5487	3/24/03	23:31
Bromoform	< 0.00060	mg/l	5487	3/24/03	23:31
Bromomethane	< 0.00060	mg/l	5487	3/24/03	23:31
2-Butanone	< 0.00310	mg/l	5487	3/24/03	23:31
n-Butylbenzene	< 0.00010	mg/l	5487	3/24/03	23:31
sec-Butylbenzene	< 0.00030	mg/l	5487	3/24/03	23:31
t-Butylbenzene	< 0.00030	mg/l	5487	3/24/03	23:31
Carbon disulfide	< 0.00020	mg/l	5487	3/24/03	23:31
Carbon tetrachloride	< 0.00040	mg/l	5487	3/24/03	23:31
Chlorobenzene	< 0.00020	mg/l	5487	3/24/03	23:31
Chloroethane	< 0.00100	mg/l	5487	3/24/03	23:31
Chloroform	< 0.00080	mg/l	5487	3/24/03	23:31
Chloromethane	< 0.00070	mg/l	5487	3/24/03	23:31
2-Chlorotoluene	< 0.00040	mg/l	5487	3/24/03	23:31
4-Chlorotoluene	< 0.00050	mg/l	5487	3/24/03	23:31
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	5487	3/24/03	23:31
Dibromochloromethane	< 0.00050	mg/l	5487	3/24/03	23:31
1,2-Dibromoethane	< 0.00040	mg/l	5487	3/24/03	23:31
Dibromomethane	< 0.00090	mg/l	5487	3/24/03	23:31

ect QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 8

Laboratory Receipt Date: 3/21/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,2-Dichlorobenzene	< 0.00020	mg/l	5487	3/24/03	23:31
1,3-Dichlorobenzene	< 0.00030	mg/l	5487	3/24/03	23:31
1,4-Dichlorobenzene	< 0.00040	mg/l	5487	3/24/03	23:31
Dichlorodifluoromethane	< 0.00050	mg/l	5487	3/24/03	23:31
1,1-Dichloroethane	< 0.00020	mg/l	5487	3/24/03	23:31
1,2-Dichloroethane	< 0.00060	mg/l	5487	3/24/03	23:31
1,1-Dichloroethene	< 0.00060	mg/l	5487	3/24/03	23:31
cis-1,2-Dichloroethene	< 0.00060	mg/l	5487	3/24/03	23:31
trans-1,2-Dichloroethene	< 0.00050	mg/l	5487	3/24/03	23:31
1,2-Dichloropropane	< 0.00040	mg/l	5487	3/24/03	23:31
1,3-Dichloropropane	< 0.00040	mg/l	5487	3/24/03	23:31
2,2-Dichloropropane	< 0.00040	mg/l	5487	3/24/03	23:31
1,1-Dichloropropene	< 0.00050	mg/l	5487	3/24/03	23:31
cis-1,3-Dichloropropene	< 0.00030	mg/l	5487	3/24/03	23:31
trans-1,3-Dichloropropene	< 0.00050	mg/l	5487	3/24/03	23:31
Ethylbenzene	< 0.0003	mg/l	5487	3/24/03	23:31
Hexachlorobutadiene	< 0.00080	mg/l	5487	3/24/03	23:31
2-Hexanone	< 0.00420	mg/l	5487	3/24/03	23:31
Isopropylbenzene	< 0.00040	mg/l	5487	3/24/03	23:31
4-Isopropyltoluene	< 0.00060	mg/l	5487	3/24/03	23:31
4-Methyl-2-pentanone	< 0.00490	mg/l	5487	3/24/03	23:31
Methylene chloride	< 0.00240	mg/l	5487	3/24/03	23:31
Naphthalene	< 0.00120	mg/l	5487	3/24/03	23:31
n-Propylbenzene	< 0.00030	mg/l	5487	3/24/03	23:31
Styrene	< 0.00040	mg/l	5487	3/24/03	23:31
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	5487	3/24/03	23:31
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	5487	3/24/03	23:31
Tetrachloroethene	< 0.00040	mg/l	5487	3/24/03	23:31
Toluene	< 0.0006	mg/l	5487	3/24/03	23:31
1,2,3-Trichlorobenzene	< 0.00100	mg/l	5487	3/24/03	23:31
1,2,4-Trichlorobenzene	< 0.00060	mg/l	5487	3/24/03	23:31

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 9

Laboratory Receipt Date: 3/21/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1,1-Trichloroethane	< 0.00070	mg/l	5487	3/24/03	23:31
1,1,2-Trichloroethane	< 0.00040	mg/l	5487	3/24/03	23:31
Trichloroethene	< 0.00040	mg/l	5487	3/24/03	23:31
Trichloroethene	< 0.00040	mg/l	5497	3/25/03	12:02
Trichloroethene	< 0.00040	mg/l	5497	3/26/03	0:22
1,2,3-Trichloropropane	< 0.00060	mg/l	5487	3/24/03	23:31
1,2,4-Trimethylbenzene	< 0.0003	mg/l	5487	3/24/03	23:31
1,3,5-Trimethylbenzene	< 0.00100	mg/l	5487	3/24/03	23:31
Vinyl chloride	< 0.00050	mg/l	5487	3/24/03	23:31
Xylenes (Total)	< 0.0009	mg/l	5487	3/24/03	23:31
Bromodichloromethane	< 0.00030	mg/l	5487	3/24/03	23:31
Trichlorofluoromethane	< 0.00040	mg/l	5487	3/24/03	23:31
VOA Surr 1,2-DCA-d4	109.	% Rec	5487	3/24/03	23:31
VOA Surr 1,2-DCA-d4	107.	% Rec	5497	3/25/03	12:02
VOA Surr 1,2-DCA-d4	103.	% Rec	5497	3/26/03	0:22
VOA Surr Toluene-d8	109.	% Rec	5487	3/24/03	23:31
VOA Surr Toluene-d8	118.	% Rec	5497	3/25/03	12:02
VOA Surr Toluene-d8	119.	% Rec	5497	3/26/03	0:22
VOA Surr, 4-BFB	102.	% Rec	5487	3/24/03	23:31
VOA Surr, 4-BFB	106.	% Rec	5497	3/25/03	12:02
VOA Surr, 4-BFB	109.	% Rec	5497	3/26/03	0:22
VOA Surr, DBFM	118.	% Rec	5487	3/24/03	23:31
VOA Surr, DBFM	113.	% Rec	5497	3/25/03	12:02
VOA Surr, DBFM	113.	% Rec	5497	3/26/03	0:22

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
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MISC PARAMETERS

act QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 10

Laboratory Receipt Date: 3/21/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Nitrate-N as N	< 0.100	mg/l	2093	3/21/03	18:21
Sulfate	< 1.00	mg/l	5253	3/26/03	11:00
Total Organic Carbon	< 1.00	mg/l	3258	3/25/03	12:30
Sulfide	< 0.000	mg/l	6608	3/27/03	16:50
Chloride	< 1.00	mg/l	2730	3/24/03	13:26

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
MISC PARAMETERS					
Methane	< 0.026	mg/L	3230	3/24/03	9:42
Ethene	< 0.026	mg/L	3230	3/24/03	9:42
Ethane	< 0.026	mg/L	3230	3/24/03	9:42

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 324627

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

Client Name: Mactee Client #: 4997

Address: 1431 Center Point Blvd Suite 150

City/State/Zip Code: Knoxville TN 37932

Project Manager: Rick Ryan

Telephone Number: 865.531.9222 Fax: 865.531.8226

Sampler Name: (Print Name) Danna Reiter

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 Str RL	324627																								
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 	Analyze For: 	QC Deliverables None X Level 2 (Batch QC) Level 3 Level 4 Other:																	
W-5	4/8/03	9:50	G		GN	HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	VOCs (8260)	Chloride (325.1)	alkalinity (310.1) (4500B)	carbon dioxide	nitrate (353.2)	sulfate (375.9)	Sulfide (376.1)	methylene chloride / ethylene (801.24)	ToC (415.1)	Fe(II) (6010 Fe)			
W-5(dup)	25	3/20/03	9:14	G	GN																				
OB-06	26	3/20/03	10:54	G	GN																				
BE-08	27	3/20/03	11:52	G	GN																				
BR-17	4/8/28	3/20/03	13:35	G	GN																				
Special Instructions:														LABORATORY COMMENTS: Init Lab Temp: 1.4 Rec Lab Temp: Custody Seals: Y N N/A Bottles Supplied by Test America: Y N Method of Shipment:											
Relinquished By: [Signature]	Date: 3/20/03	Time: 17:00	Received By: Man SLK	Date: 3/21/03	Time: 8:45																				
Relinquished By:	Date:	Time:	Received By:	Date:	Time:																				
Relinquished By:	Date:	Time:	Received By:	Date:	Time:																				

March 21, 2003
Analytical Data

3/28/03

MACTEC ENGINEERING 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: 324893.

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.

Page 1

Sample Identification	Lab Number	Collection Date
-----	-----	-----
BR-03	03-A43312	3/21/03
BR-14	03-A43313	3/21/03
QATB02	03-A43314	3/21/03
QAFB02	03-A43315	3/21/03
QARB02	03-A43316	3/21/03
BR-01	03-A43317	3/21/03
BR-02	03-A43318	3/21/03
BR-07	03-A43319	3/21/03
BR-07 (DUP)	03-A43320	3/21/03

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:

Paul E. Lane, Jr.

Report Date: 3/28/03

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

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A43312
Sample ID: BR-03
Sample Type: Ground water
Site ID: ROCHESTER

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

Date Collected: 3/21/03
Time Collected: 9:00
Date Received: 3/22/03
Time Received: 8:30
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	3/26/03	4:36	B.Herford	8260B	4088
Benzene	ND	mg/l	0.0010	1	3/26/03	4:36	B.Herford	8260B	4088
Bromobenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Bromochloromethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Bromoform	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Bromomethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
2-Butanone	ND	mg/l	0.0250	1	3/26/03	4:36	B.Herford	8260B	4088
n-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
sec-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
t-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Carbon disulfide	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Carbon tetrachloride	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Chlorobenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Chloroethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Chloroform	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Chloromethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
2-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
4-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/26/03	4:36	B.Herford	8260B	4088
Dibromochloromethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Dibromomethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43312
Sample ID: BR-03
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,1-Dichloroethene	0.00200	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
cis-1,2-Dichloroethene	0.00770	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Ethylbenzene	ND	mg/l	0.0010	1	3/26/03	4:36	B.Herford	8260B	4088
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
2-Hexanone	ND	mg/l	0.00500	1	3/26/03	4:36	B.Herford	8260B	4088
Isopropylbenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/26/03	4:36	B.Herford	8260B	4088
Methylene chloride	ND	mg/l	0.00250	1	3/26/03	4:36	B.Herford	8260B	4088
Naphthalene	ND	mg/l	0.00500	1	3/26/03	4:36	B.Herford	8260B	4088
n-Propylbenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Styrene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Tetrachloroethene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Toluene	ND	mg/l	0.0010	1	3/26/03	4:36	B.Herford	8260B	4088
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Trichloroethene	0.590	mg/l	0.00500	5	3/26/03	21:15	B.Herford	8260B	7783
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/26/03	4:36	B.Herford	8260B	4088
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Vinyl chloride	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088
Xylenes (Total)	ND	mg/l	0.0010	1	3/26/03	4:36	B.Herford	8260B	4088
Bromodichloromethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43312
Sample ID: BR-03
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/26/03	4:36	B.Herford	8260B	4088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	100.	80. - 121.
VOA Surr, 4-BFB	95.	80. - 128.
VOA Surr, DBFM	102.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A43313
Sample ID: BR-14
Sample Type: Ground water
Site ID: ROCHESTER

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

Date Collected: 3/21/03
Time Collected: 9:49
Date Received: 3/22/03
Time Received: 8:30
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.528	mg/l	0.0250	1	3/26/03	5:10	B.Herford	8260B	4088
Benzene	ND	mg/l	0.0010	1	3/26/03	5:10	B.Herford	8260B	4088
Bromobenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Bromochloromethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Bromoform	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Bromomethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
2-Butanone	ND	mg/l	0.0250	1	3/26/03	5:10	B.Herford	8260B	4088
n-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
sec-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
t-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Carbon disulfide	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Carbon tetrachloride	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Chlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Chloroethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Chloroform	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Chloromethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
2-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
4-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/26/03	5:10	B.Herford	8260B	4088
Dibromochloromethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Dibromomethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088

Report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43313
Sample ID: BR-14
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Ethylbenzene	ND	mg/l	0.0010	1	3/26/03	5:10	B.Herford	8260B	4088
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
2-Hexanone	0.0110	mg/l	0.00500	1	3/26/03	5:10	B.Herford	8260B	4088
Isopropylbenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/26/03	5:10	B.Herford	8260B	4088
Methylene chloride	ND	mg/l	0.00250	1	3/26/03	5:10	B.Herford	8260B	4088
Naphthalene	ND	mg/l	0.00500	1	3/26/03	5:10	B.Herford	8260B	4088
n-Propylbenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Styrene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Tetrachloroethene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Toluene	0.0055	mg/l	0.0010	1	3/26/03	5:10	B.Herford	8260B	4088
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Trichloroethene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/26/03	5:10	B.Herford	8260B	4088
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Vinyl chloride	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088
Xylenes (Total)	0.0012	mg/l	0.0010	1	3/26/03	5:10	B.Herford	8260B	4088
Bromodichloromethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43313
Sample ID: BR-14
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/26/03	5:10	B.Herford	8260B	4088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	100.	80. - 121.
VOA Surr, 4-BFB	98.	80. - 128.
VOA Surr, DBFM	102.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A43314
Sample ID: QATB02
Sample Type: Ground water
Site ID: ROCHESTER

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

Date Collected: 3/21/03
Time Collected:
Date Received: 3/22/03
Time Received: 8:30
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	3/26/03	5:43	B.Herford	8260B	4088
Benzene	ND	mg/l	0.0010	1	3/26/03	5:43	B.Herford	8260B	4088
Bromobenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Bromochloromethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Bromoform	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Bromomethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
2-Butanone	ND	mg/l	0.0250	1	3/26/03	5:43	B.Herford	8260B	4088
n-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
sec-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
t-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Carbon disulfide	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Carbon tetrachloride	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Chlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Chloroethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Chloroform	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Chloromethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
2-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
4-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/26/03	5:43	B.Herford	8260B	4088
Dibromochloromethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Dibromomethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088

Report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43314
Sample ID: QATB02
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Ethylbenzene	ND	mg/l	0.0010	1	3/26/03	5:43	B.Herford	8260B	4088
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
2-Hexanone	ND	mg/l	0.00500	1	3/26/03	5:43	B.Herford	8260B	4088
Isopropylbenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/26/03	5:43	B.Herford	8260B	4088
Methylene chloride	ND	mg/l	0.00250	1	3/26/03	5:43	B.Herford	8260B	4088
Naphthalene	ND	mg/l	0.00500	1	3/26/03	5:43	B.Herford	8260B	4088
n-Propylbenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Styrene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Tetrachloroethene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Toluene	ND	mg/l	0.0010	1	3/26/03	5:43	B.Herford	8260B	4088
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Trichloroethene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/26/03	5:43	B.Herford	8260B	4088
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Vinyl chloride	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088
Xylenes (Total)	ND	mg/l	0.0010	1	3/26/03	5:43	B.Herford	8260B	4088
Bromodichloromethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43314
Sample ID: QATB02
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/26/03	5:43	B.Herford	8260B	4088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	73. - 133.
VOA Surr Toluene-d8	99.	80. - 121.
VOA Surr, 4-BFB	99.	80. - 128.
VOA Surr, DBFM	100.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A43315
Sample ID: QAFB02
Sample Type: Ground water
Site ID: ROCHESTER

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

Date Collected: 3/21/03
Time Collected: 10:16
Date Received: 3/22/03
Time Received: 8:30
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	3/26/03	6:17	B.Herford	8260B	4088
Benzene	ND	mg/l	0.0010	1	3/26/03	6:17	B.Herford	8260B	4088
Bromobenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Bromochloromethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Bromoform	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Bromomethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
2-Butanone	ND	mg/l	0.0250	1	3/26/03	6:17	B.Herford	8260B	4088
n-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
sec-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
t-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Carbon disulfide	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Carbon tetrachloride	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Chlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Chloroethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Chloroform	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Chloromethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
2-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
4-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/26/03	6:17	B.Herford	8260B	4088
Dibromochloromethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Dibromomethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43315
Sample ID: QAFB02
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Ethylbenzene	ND	mg/l	0.0010	1	3/26/03	6:17	B.Herford	8260B	4088
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
2-Hexanone	ND	mg/l	0.00500	1	3/26/03	6:17	B.Herford	8260B	4088
Isopropylbenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/26/03	6:17	B.Herford	8260B	4088
Methylene chloride	ND	mg/l	0.00250	1	3/26/03	6:17	B.Herford	8260B	4088
Naphthalene	ND	mg/l	0.00500	1	3/26/03	6:17	B.Herford	8260B	4088
n-Propylbenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Styrene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Tetrachloroethene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Toluene	ND	mg/l	0.0010	1	3/26/03	6:17	B.Herford	8260B	4088
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Trichloroethene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/26/03	6:17	B.Herford	8260B	4088
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Vinyl chloride	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088
Xylenes (Total)	ND	mg/l	0.0010	1	3/26/03	6:17	B.Herford	8260B	4088
Bromodichloromethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43315
Sample ID: QAFB02
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/26/03	6:17	B.Herford	8260B	4088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	100.	80. - 121.
VOA Surr, 4-BFB	100.	80. - 128.
VOA Surr, DBFM	100.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERNIG AND CONSULT 4997

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

Lab Number: 03-A43316
Sample ID: QARB02
Sample Type: Ground water
Site ID: ROCHESTER

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

Date Collected: 3/21/03
Time Collected: 10:21
Date Received: 3/22/03
Time Received: 8:30
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	3/26/03	6:51	B.Herford	8260B	4088
Benzene	ND	mg/l	0.0010	1	3/26/03	6:51	B.Herford	8260B	4088
Bromobenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Bromochloromethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Bromoform	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Bromomethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
2-Butanone	ND	mg/l	0.0250	1	3/26/03	6:51	B.Herford	8260B	4088
n-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
sec-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
t-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Carbon disulfide	0.00100	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Carbon tetrachloride	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Chlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Chloroethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Chloroform	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Chloromethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
2-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
4-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/26/03	6:51	B.Herford	8260B	4088
Dibromochloromethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Dibromomethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088

le report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43316
Sample ID: QARB02
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Ethylbenzene	ND	mg/l	0.0010	1	3/26/03	6:51	B.Herford	8260B	4088
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
2-Hexanone	ND	mg/l	0.00500	1	3/26/03	6:51	B.Herford	8260B	4088
Isopropylbenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/26/03	6:51	B.Herford	8260B	4088
Methylene chloride	ND	mg/l	0.00250	1	3/26/03	6:51	B.Herford	8260B	4088
Naphthalene	ND	mg/l	0.00500	1	3/26/03	6:51	B.Herford	8260B	4088
n-Propylbenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Styrene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Tetrachloroethene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Toluene	ND	mg/l	0.0010	1	3/26/03	6:51	B.Herford	8260B	4088
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Trichloroethene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/26/03	6:51	B.Herford	8260B	4088
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Vinyl chloride	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088
Xylenes (Total)	ND	mg/l	0.0010	1	3/26/03	6:51	B.Herford	8260B	4088
Bromodichloromethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088

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ANALYTICAL REPORT

Laboratory Number: 03-A43316
Sample ID: QARB02
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/26/03	6:51	B.Herford	8260B	4088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	100.	80. - 128.
VOA Surr, DBFM	101.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A43317

Sample ID: BR-01

Sample Type: Ground water

Site ID: ROCHESTER

Project: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Sampler: JANNA PEEVLER

Date Collected: 3/21/03

Time Collected: 11:22

Date Received: 3/22/03

Time Received: 8:30

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	3/26/03	7:25	B.Herford	8260B	4088
Benzene	ND	mg/l	0.0010	1	3/26/03	7:25	B.Herford	8260B	4088
Bromobenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Bromochloromethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Bromoform	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Bromomethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
2-Butanone	ND	mg/l	0.0250	1	3/26/03	7:25	B.Herford	8260B	4088
n-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
sec-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
t-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Carbon disulfide	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Carbon tetrachloride	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Chlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Chloroethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Chloroform	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Chloromethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
2-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
4-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/26/03	7:25	B.Herford	8260B	4088
Dibromochloromethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Dibromomethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088

le report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43317

Sample ID: BR-01

Project: 51870.9

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
cis-1,2-Dichloroethene	0.00210	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
trans-1,2-Dichloroethene	0.00100	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Ethylbenzene	ND	mg/l	0.0010	1	3/26/03	7:25	B.Herford	8260B	4088
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
2-Hexanone	ND	mg/l	0.00500	1	3/26/03	7:25	B.Herford	8260B	4088
Isopropylbenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/26/03	7:25	B.Herford	8260B	4088
Methylene chloride	ND	mg/l	0.00250	1	3/26/03	7:25	B.Herford	8260B	4088
Naphthalene	ND	mg/l	0.00500	1	3/26/03	7:25	B.Herford	8260B	4088
n-Propylbenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Styrene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Tetrachloroethene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Toluene	ND	mg/l	0.0010	1	3/26/03	7:25	B.Herford	8260B	4088
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Trichloroethene	0.0258	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/26/03	7:25	B.Herford	8260B	4088
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Vinyl chloride	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088
Xylenes (Total)	ND	mg/l	0.0010	1	3/26/03	7:25	B.Herford	8260B	4088
Bromodichloromethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088

Report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43317
Sample ID: BR-01
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/26/03	7:25	B.Herford	8260B	4088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	96.	80. - 128.
VOA Surr, DBFM	101.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A43318
Sample ID: BR-02
Sample Type: Ground water
Site ID: ROCHESTER

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

Date Collected: 3/21/03
Time Collected: 13:45
Date Received: 3/22/03
Time Received: 8:30
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	3/26/03	7:58	B.Herford	8260B	4088
Benzene	ND	mg/l	0.0010	1	3/26/03	7:58	B.Herford	8260B	4088
Bromobenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Bromochloromethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Bromoform	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Bromomethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
2-Butanone	ND	mg/l	0.0250	1	3/26/03	7:58	B.Herford	8260B	4088
n-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
sec-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
t-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Carbon disulfide	0.00480	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Carbon tetrachloride	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Chlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Chloroethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Chloroform	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Chloromethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
2-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
4-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/26/03	7:58	B.Herford	8260B	4088
Dibromochloromethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Dibromomethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088

Report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43318
Sample ID: BR-02
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	0.00380	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,1-Dichloroethene	0.156	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
cis-1,2-Dichloroethene	19.1	mg/l	0.100	100	3/26/03	20:42	B.Herford	8260B	7792
trans-1,2-Dichloroethene	0.154	mg/l	0.0100	10	3/26/03	20:08	B.Herford	8260B	7783
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Ethylbenzene	ND	mg/l	0.0010	1	3/26/03	7:58	B.Herford	8260B	4088
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
2-Hexanone	ND	mg/l	0.00500	1	3/26/03	7:58	B.Herford	8260B	4088
Isopropylbenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/26/03	7:58	B.Herford	8260B	4088
Methylene chloride	ND	mg/l	0.00250	1	3/26/03	7:58	B.Herford	8260B	4088
Naphthalene	ND	mg/l	0.00500	1	3/26/03	7:58	B.Herford	8260B	4088
n-Propylbenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Styrene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Tetrachloroethene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Toluene	ND	mg/l	0.0010	1	3/26/03	7:58	B.Herford	8260B	4088
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Trichloroethene	4.00	mg/l	0.100	100	3/26/03	20:42	B.Herford	8260B	7792
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/26/03	7:58	B.Herford	8260B	4088
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Vinyl chloride	0.0649	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088
Xylenes (Total)	ND	mg/l	0.0010	1	3/26/03	7:58	B.Herford	8260B	4088
Bromodichloromethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088

le report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43318

Sample ID: BR-02

Project: 51870.9

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Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/26/03	7:58	B.Herford	8260B	4088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	99.	80. - 128.
VOA Surr, DBFM	101.	81. - 121.

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.

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-A43319
Sample ID: BR-07
Sample Type: Ground water
Site ID: ROCHESTER

Date Collected: 3/21/03
Time Collected: 14:51
Date Received: 3/22/03
Time Received: 8:30
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	3/26/03	8:33	B.Herford	8260B	4088
Benzene	0.0074	mg/l	0.0010	1	3/26/03	8:33	B.Herford	8260B	4088
Bromobenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Bromochloromethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Bromoform	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Bromomethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
2-Butanone	ND	mg/l	0.0250	1	3/26/03	8:33	B.Herford	8260B	4088
n-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
sec-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
t-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Carbon disulfide	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Carbon tetrachloride	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Chlorobenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Chloroethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Chloroform	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Chloromethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
2-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
4-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/26/03	8:33	B.Herford	8260B	4088
Dibromochloromethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Dibromomethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43319

Sample ID: BR-07

Project: 51870.9

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
cis-1,2-Dichloroethene	0.0359	mg/l	0.00100	1	3/26/03	17:53	B.Herford	8260B	7783
trans-1,2-Dichloroethene	0.0180	mg/l	0.00100	1	3/26/03	17:53	B.Herford	8260B	7783
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Ethylbenzene	ND	mg/l	0.0010	1	3/26/03	8:33	B.Herford	8260B	4088
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
2-Hexanone	ND	mg/l	0.00500	1	3/26/03	8:33	B.Herford	8260B	4088
Isopropylbenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/26/03	8:33	B.Herford	8260B	4088
Methylene chloride	ND	mg/l	0.00250	1	3/26/03	8:33	B.Herford	8260B	4088
Naphthalene	ND	mg/l	0.00500	1	3/26/03	8:33	B.Herford	8260B	4088
n-Propylbenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Styrene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Tetrachloroethene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Toluene	ND	mg/l	0.0010	1	3/26/03	8:33	B.Herford	8260B	4088
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Trichloroethene	0.00390	mg/l	0.00100	1	3/26/03	17:53	B.Herford	8260B	7783
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/26/03	8:33	B.Herford	8260B	4088
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Vinyl chloride	0.0975	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088
Xylenes (Total)	ND	mg/l	0.0010	1	3/26/03	8:33	B.Herford	8260B	4088
Bromodichloromethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43319
Sample ID: BR-07
Project: 51870.9
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/26/03	8:33	B.Herford	8260B	4088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	94.	80. - 128.
VOA Surr, DBFM	102.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERNIG AND CONSULT 4997

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

Lab Number: 03-A43320
Sample ID: BR-07(DUP)
Sample Type: Ground water
Site ID: ROCHESTER

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

Date Collected: 3/21/03
Time Collected: 14:53
Date Received: 3/22/03
Time Received: 8:30
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	3/26/03	9:06	B.Herford	8260B	4088
Benzene	0.0080	mg/l	0.0010	1	3/26/03	9:06	B.Herford	8260B	4088
Bromobenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Bromochloromethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Bromoform	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Bromomethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
2-Butanone	ND	mg/l	0.0250	1	3/26/03	9:06	B.Herford	8260B	4088
n-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
sec-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
t-Butylbenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Carbon disulfide	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Carbon tetrachloride	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Chlorobenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Chloroethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Chloroform	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Chloromethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
2-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
4-Chlorotoluene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/26/03	9:06	B.Herford	8260B	4088
Dibromochloromethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Dibromomethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43320

Sample ID: BR-07 (DUP)

Project: 51870.9

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
cis-1,2-Dichloroethene	0.0360	mg/l	0.00100	1	3/26/03	18:27	B.Herford	8260B	7783
trans-1,2-Dichloroethene	0.0188	mg/l	0.00100	1	3/26/03	18:27	B.Herford	8260B	7783
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Ethylbenzene	ND	mg/l	0.0010	1	3/26/03	9:06	B.Herford	8260B	4088
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
2-Hexanone	ND	mg/l	0.00500	1	3/26/03	9:06	B.Herford	8260B	4088
Isopropylbenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/26/03	9:06	B.Herford	8260B	4088
Methylene chloride	ND	mg/l	0.00250	1	3/26/03	9:06	B.Herford	8260B	4088
Naphthalene	ND	mg/l	0.00500	1	3/26/03	9:06	B.Herford	8260B	4088
n-Propylbenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Styrene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Tetrachloroethene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Toluene	ND	mg/l	0.0010	1	3/26/03	9:06	B.Herford	8260B	4088
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Trichloroethene	0.00390	mg/l	0.00100	1	3/26/03	18:27	B.Herford	8260B	7783
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/26/03	9:06	B.Herford	8260B	4088
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Vinyl chloride	0.102	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088
Xylenes (Total)	ND	mg/l	0.0010	1	3/26/03	9:06	B.Herford	8260B	4088
Bromodichloromethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088

le report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A43320
Sample ID: BR-07(DUP)
Project: 51870.9
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Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/26/03	9:06	B.Herford	8260B	4088

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	73. - 133.
VOA Surr Toluene-d8	98.	80. - 121.
VOA Surr, 4-BFB	96.	80. - 128.
VOA Surr, DBFM	102.	81. - 121.

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.

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/22/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	< 0.0005	0.0535	0.0500	107	78. - 132.	4088	BLANK
Chlorobenzene	mg/l	< 0.00020	0.0511	0.0500	102	79. - 124.	4088	BLANK
1,1-Dichloroethene	mg/l	< 0.00060	0.0497	0.0500	99	68. - 141.	4088	BLANK
Toluene	mg/l	< 0.0006	0.0544	0.0500	109	77. - 134.	4088	BLANK
Trichloroethene	mg/l	< 0.00040	0.0513	0.0500	103	73. - 137.	4088	BLANK
Tetrachloroethene	mg/l	< 0.00040	0.0517	0.0500	103	72. - 136.	4088	BLANK
VOA Surr 1,2-DCA-d4	% Rec				99	73. - 133.	4088	
VOA Surr Toluene-d8	% Rec				100	80. - 121.	4088	
VOA Surr, 4-BFB	% Rec				95	80. - 128.	4088	
VOA Surr, DBFM	% Rec				100	81. - 121.	4088	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0535	0.0535	0.00	15.	4088
Chlorobenzene	mg/l	0.0511	0.0518	1.36	16.	4088
1,1-Dichloroethene	mg/l	0.0497	0.0514	3.36	19.	4088
Toluene	mg/l	0.0544	0.0533	2.04	16.	4088
Trichloroethene	mg/l	0.0513	0.0513	0.00	20.	4088
Tetrachloroethene	mg/l	0.0517	0.0514	0.58	23.	4088

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/22/03

VOA Surr 1,2-DCA-d4	% Rec	100.	4088
VOA Surr Toluene-d8	% Rec	101.	4088
VOA Surr, 4-BFB	% Rec	101.	4088
VOA Surr, DBFM	% Rec	100.	4088

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Acetone	mg/l	0.250	0.242	97	60 - 154	4088
Acetone	mg/l	0.250	0.238	95	60 - 154	4088
Benzene	mg/l	0.0500	0.0489	98	78 - 127	4088
Benzene	mg/l	0.0500	0.0493	99	78 - 127	4088
Bromobenzene	mg/l	0.0500	0.0500	100	80 - 120	4088
Bromobenzene	mg/l	0.0500	0.0482	96	80 - 120	4088
Bromochloromethane	mg/l	0.0500	0.0494	99	66 - 137	4088
Bromochloromethane	mg/l	0.0500	0.0506	101	66 - 137	4088
Bromoform	mg/l	0.0500	0.0469	94	66 - 129	4088
Bromoform	mg/l	0.0500	0.0463	93	66 - 129	4088
Bromomethane	mg/l	0.0500	0.0436	87	47 - 163	4088
Bromomethane	mg/l	0.0500	0.0454	91	47 - 163	4088
2-Butanone	mg/l	0.250	0.264	106	75 - 140	4088
2-Butanone	mg/l	0.250	0.252	101	75 - 140	4088
n-Butylbenzene	mg/l	0.0500	0.0520	104	61 - 131	4088
n-Butylbenzene	mg/l	0.0500	0.0488	98	61 - 131	4088
sec-Butylbenzene	mg/l	0.0500	0.0504	101	72 - 124	4088
sec-Butylbenzene	mg/l	0.0500	0.0495	99	72 - 124	4088
t-Butylbenzene	mg/l	0.0500	0.0521	104	74 - 123	4088
t-Butylbenzene	mg/l	0.0500	0.0503	101	74 - 123	4088
Carbon disulfide	mg/l	0.0500	0.0504	101	67 - 138	4088
Carbon disulfide	mg/l	0.0500	0.0499	100	67 - 138	4088
Carbon tetrachloride	mg/l	0.0500	0.0520	104	69 - 132	4088
Carbon tetrachloride	mg/l	0.0500	0.0517	103	69 - 132	4088
Chlorobenzene	mg/l	0.0500	0.0499	100	81 - 120	4088

ect QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 3

Laboratory Receipt Date: 3/22/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Chlorobenzene	mg/l	0.0500	0.0491	98	81 - 120	4088
Chloroethane	mg/l	0.0500	0.0444	89	65 - 134	4088
Chloroethane	mg/l	0.0500	0.0462	92	65 - 134	4088
Chloroform	mg/l	0.0500	0.0489	98	77 - 125	4088
Chloroform	mg/l	0.0500	0.0490	98	77 - 125	4088
Chloromethane	mg/l	0.0500	0.0467	93	43 - 142	4088
Chloromethane	mg/l	0.0500	0.0446	89	43 - 142	4088
2-Chlorotoluene	mg/l	0.0500	0.0493	99	76 - 126	4088
2-Chlorotoluene	mg/l	0.0500	0.0479	96	76 - 126	4088
4-Chlorotoluene	mg/l	0.0500	0.0518	104	79 - 123	4088
4-Chlorotoluene	mg/l	0.0500	0.0501	100	79 - 123	4088
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0531	106	64 - 132	4088
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0492	98	64 - 132	4088
Dibromochloromethane	mg/l	0.0500	0.0546	109	78 - 124	4088
Dibromochloromethane	mg/l	0.0500	0.0528	106	78 - 124	4088
1,2-Dibromoethane	mg/l	0.0500	0.0483	97	79 - 126	4088
1,2-Dibromoethane	mg/l	0.0500	0.0485	97	79 - 126	4088
Dibromomethane	mg/l	0.0500	0.0504	101	75 - 131	4088
Dibromomethane	mg/l	0.0500	0.0499	100	75 - 131	4088
1,2-Dichlorobenzene	mg/l	0.0500	0.0512	102	80 - 120	4088
1,2-Dichlorobenzene	mg/l	0.0500	0.0483	97	80 - 120	4088
1,3-Dichlorobenzene	mg/l	0.0500	0.0500	100	79 - 120	4088
1,3-Dichlorobenzene	mg/l	0.0500	0.0483	97	79 - 120	4088
1,4-Dichlorobenzene	mg/l	0.0500	0.0500	100	78 - 118	4088
1,4-Dichlorobenzene	mg/l	0.0500	0.0478	96	78 - 118	4088
Dichlorodifluoromethane	mg/l	0.0500	0.0470	94	45 - 149	4088
Dichlorodifluoromethane	mg/l	0.0500	0.0472	94	45 - 149	4088
1,1-Dichloroethane	mg/l	0.0500	0.0486	97	73 - 128	4088
1,1-Dichloroethane	mg/l	0.0500	0.0493	99	73 - 128	4088
1,2-Dichloroethane	mg/l	0.0500	0.0506	101	71 - 135	4088
1,2-Dichloroethane	mg/l	0.0500	0.0508	102	71 - 135	4088

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/22/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,1-Dichloroethene	mg/l	0.0500	0.0492	98	72 - 128	4088
1,1-Dichloroethene	mg/l	0.0500	0.0494	99	72 - 128	4088
cis-1,2-Dichloroethene	mg/l	0.0500	0.0481	96	76 - 127	4088
cis-1,2-Dichloroethene	mg/l	0.0500	0.0476	95	76 - 127	4088
cis-1,2-Dichloroethene	mg/l	0.0500	0.0525	105	76 - 127	7783
cis-1,2-Dichloroethene	mg/l	0.0500	0.0509	102	76 - 127	7792
trans-1,2-Dichloroethene	mg/l	0.0500	0.0489	98	71 - 131	4088
trans-1,2-Dichloroethene	mg/l	0.0500	0.0483	97	71 - 131	4088
trans-1,2-Dichloroethene	mg/l	0.0500	0.0514	103	71 - 131	7783
1,2-Dichloropropane	mg/l	0.0500	0.0495	99	75 - 127	4088
1,2-Dichloropropane	mg/l	0.0500	0.0512	102	75 - 127	4088
1,3-Dichloropropane	mg/l	0.0500	0.0527	105	81 - 128	4088
1,3-Dichloropropane	mg/l	0.0500	0.0508	102	81 - 128	4088
2,2-Dichloropropane	mg/l	0.0500	0.0465	93	45 - 145	4088
2,2-Dichloropropane	mg/l	0.0500	0.0349	70	45 - 145	4088
1,1-Dichloropropene	mg/l	0.0500	0.0496	99	76 - 127	4088
1,1-Dichloropropene	mg/l	0.0500	0.0489	98	76 - 127	4088
cis-1,3-Dichloropropene	mg/l	0.0500	0.0508	102	72 - 131	4088
cis-1,3-Dichloropropene	mg/l	0.0500	0.0484	97	72 - 131	4088
trans-1,3-Dichloropropene	mg/l	0.0500	0.0522	104	69 - 131	4088
trans-1,3-Dichloropropene	mg/l	0.0500	0.0496	99	69 - 131	4088
Ethylbenzene	mg/l	0.0500	0.0505	101	78 - 125	4088
Ethylbenzene	mg/l	0.0500	0.0505	101	78 - 125	4088
Hexachlorobutadiene	mg/l	0.0500	0.0495	99	59 - 126	4088
Hexachlorobutadiene	mg/l	0.0500	0.0442	88	59 - 126	4088
2-Hexanone	mg/l	0.250	0.271	108	71 - 142	4088
2-Hexanone	mg/l	0.250	0.252	101	71 - 142	4088
Isopropylbenzene	mg/l	0.0500	0.0533	107	78 - 123	4088
Isopropylbenzene	mg/l	0.0500	0.0523	105	78 - 123	4088
4-Isopropyltoluene	mg/l	0.0500	0.0513	103	73 - 125	4088
4-Isopropyltoluene	mg/l	0.0500	0.0488	98	73 - 125	4088

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/22/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
4-Methyl-2-pentanone	mg/l	0.250	0.265	106	71 - 141	4088
4-Methyl-2-pentanone	mg/l	0.250	0.250	100	71 - 141	4088
Methylene chloride	mg/l	0.0500	0.0459	92	70 - 140	4088
Methylene chloride	mg/l	0.0500	0.0470	94	70 - 140	4088
Naphthalene	mg/l	0.0500	0.0566	113	52 - 140	4088
Naphthalene	mg/l	0.0500	0.0532	106	52 - 140	4088
n-Propylbenzene	mg/l	0.0500	0.0514	103	75 - 125	4088
n-Propylbenzene	mg/l	0.0500	0.0498	100	75 - 125	4088
Styrene	mg/l	0.0500	0.0523	105	82 - 122	4088
Styrene	mg/l	0.0500	0.0516	103	82 - 122	4088
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0524	105	85 - 123	4088
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0509	102	85 - 123	4088
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0520	104	74 - 133	4088
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0479	96	74 - 133	4088
Tetrachloroethene	mg/l	0.0500	0.0502	100	76 - 123	4088
Tetrachloroethene	mg/l	0.0500	0.0492	98	76 - 123	4088
Toluene	mg/l	0.0500	0.0504	101	78 - 127	4088
Toluene	mg/l	0.0500	0.0504	101	78 - 127	4088
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0538	108	59 - 132	4088
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0523	105	59 - 132	4088
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0536	107	60 - 133	4088
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0510	102	60 - 133	4088
1,1,1-Trichloroethane	mg/l	0.0500	0.0496	99	74 - 128	4088
1,1,1-Trichloroethane	mg/l	0.0500	0.0505	101	74 - 128	4088
1,1,2-Trichloroethane	mg/l	0.0500	0.0538	108	85 - 125	4088
1,1,2-Trichloroethane	mg/l	0.0500	0.0528	106	85 - 125	4088
Trichloroethene	mg/l	0.0500	0.0473	95	78 - 125	4088
Trichloroethene	mg/l	0.0500	0.0501	100	78 - 125	4088
Trichloroethene	mg/l	0.0500	0.0529	106	78 - 125	7783
Trichloroethene	mg/l	0.0500	0.0514	103	78 - 125	7792
1,2,3-Trichloropropane	mg/l	0.0500	0.0498	100	75 - 130	4088

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/22/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,2,3-Trichloropropane	mg/l	0.0500	0.0468	94	75 - 130	4088
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0509	102	77 - 122	4088
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0497	99	77 - 122	4088
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0524	105	75 - 125	4088
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0501	100	75 - 125	4088
Vinyl chloride	mg/l	0.0500	0.0467	93	61 - 140	4088
Vinyl chloride	mg/l	0.0500	0.0459	92	61 - 140	4088
Xylenes (Total)	mg/l	0.150	0.159	106	77 - 126	4088
Xylenes (Total)	mg/l	0.150	0.157	105	77 - 126	4088
Bromodichloromethane	mg/l	0.0500	0.0497	99	79 - 126	4088
Bromodichloromethane	mg/l	0.0500	0.0499	100	79 - 126	4088
Trichlorofluoromethane	mg/l	0.0500	0.0505	101	60 - 140	4088
Trichlorofluoromethane	mg/l	0.0500	0.0491	98	60 - 140	4088
VOA Surr 1,2-DCA-d4	% Rec			98	73 - 133	4088
VOA Surr 1,2-DCA-d4	% Rec			100	73 - 133	4088
VOA Surr 1,2-DCA-d4	% Rec			100	73 - 133	7783
VOA Surr 1,2-DCA-d4	% Rec			99	73 - 133	7792
VOA Surr Toluene-d8	% Rec			103	80 - 121	4088
VOA Surr Toluene-d8	% Rec			102	80 - 121	4088
VOA Surr Toluene-d8	% Rec			101	80 - 121	7783
VOA Surr Toluene-d8	% Rec			101	80 - 121	7792
VOA Surr, 4-BFB	% Rec			98	80 - 128	4088
VOA Surr, 4-BFB	% Rec			96	80 - 128	4088
VOA Surr, 4-BFB	% Rec			96	80 - 128	7783
VOA Surr, 4-BFB	% Rec			93	80 - 128	7792
VOA Surr, DBFM	% Rec			101	81 - 121	4088
VOA Surr, DBFM	% Rec			102	81 - 121	4088
VOA Surr, DBFM	% Rec			103	81 - 121	7783
VOA Surr, DBFM	% Rec			101	81 - 121	7792

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/22/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

VOA PARAMETERS					
Acetone	< 0.00470	mg/l	4088	3/25/03	13:58
Acetone	< 0.00470	mg/l	4088	3/26/03	1:47
Benzene	< 0.0005	mg/l	4088	3/25/03	13:58
Benzene	< 0.0005	mg/l	4088	3/26/03	1:47
Bromobenzene	< 0.00030	mg/l	4088	3/25/03	13:58
Bromobenzene	< 0.00030	mg/l	4088	3/26/03	1:47
Bromochloromethane	< 0.00030	mg/l	4088	3/25/03	13:58
Bromochloromethane	< 0.00030	mg/l	4088	3/26/03	1:47
Bromoform	< 0.00060	mg/l	4088	3/25/03	13:58
Bromoform	< 0.00060	mg/l	4088	3/26/03	1:47
Bromomethane	< 0.00060	mg/l	4088	3/25/03	13:58
Bromomethane	< 0.00060	mg/l	4088	3/26/03	1:47
2-Butanone	< 0.00310	mg/l	4088	3/25/03	13:58
2-Butanone	< 0.00310	mg/l	4088	3/26/03	1:47
n-Butylbenzene	< 0.00010	mg/l	4088	3/25/03	13:58
n-Butylbenzene	< 0.00010	mg/l	4088	3/26/03	1:47
sec-Butylbenzene	< 0.00030	mg/l	4088	3/25/03	13:58
sec-Butylbenzene	< 0.00030	mg/l	4088	3/26/03	1:47
t-Butylbenzene	< 0.00030	mg/l	4088	3/25/03	13:58
t-Butylbenzene	< 0.00030	mg/l	4088	3/26/03	1:47
Carbon disulfide	< 0.00020	mg/l	4088	3/25/03	13:58
Carbon disulfide	< 0.00020	mg/l	4088	3/26/03	1:47
Carbon tetrachloride	< 0.00040	mg/l	4088	3/25/03	13:58
Carbon tetrachloride	< 0.00040	mg/l	4088	3/26/03	1:47
Chlorobenzene	< 0.00020	mg/l	4088	3/25/03	13:58
Chlorobenzene	< 0.00020	mg/l	4088	3/26/03	1:47
Chloroethane	< 0.00100	mg/l	4088	3/25/03	13:58
Chloroethane	< 0.00100	mg/l	4088	3/26/03	1:47
Chloroform	< 0.00080	mg/l	4088	3/25/03	13:58

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 8

Laboratory Receipt Date: 3/22/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Chloroform	< 0.00080	mg/l	4088	3/26/03	1:47
Chloromethane	< 0.00070	mg/l	4088	3/25/03	13:58
Chloromethane	< 0.00070	mg/l	4088	3/26/03	1:47
2-Chlorotoluene	< 0.00040	mg/l	4088	3/25/03	13:58
2-Chlorotoluene	< 0.00040	mg/l	4088	3/26/03	1:47
4-Chlorotoluene	< 0.00050	mg/l	4088	3/25/03	13:58
4-Chlorotoluene	< 0.00050	mg/l	4088	3/26/03	1:47
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	4088	3/25/03	13:58
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	4088	3/26/03	1:47
Dibromochloromethane	< 0.00050	mg/l	4088	3/25/03	13:58
Dibromochloromethane	< 0.00050	mg/l	4088	3/26/03	1:47
1,2-Dibromoethane	< 0.00040	mg/l	4088	3/25/03	13:58
1,2-Dibromoethane	< 0.00040	mg/l	4088	3/26/03	1:47
Dibromomethane	< 0.00090	mg/l	4088	3/25/03	13:58
Dibromomethane	< 0.00090	mg/l	4088	3/26/03	1:47
1,2-Dichlorobenzene	< 0.00020	mg/l	4088	3/25/03	13:58
1,2-Dichlorobenzene	< 0.00020	mg/l	4088	3/26/03	1:47
1,3-Dichlorobenzene	< 0.00030	mg/l	4088	3/25/03	13:58
1,3-Dichlorobenzene	< 0.00030	mg/l	4088	3/26/03	1:47
1,4-Dichlorobenzene	< 0.00040	mg/l	4088	3/25/03	13:58
1,4-Dichlorobenzene	< 0.00040	mg/l	4088	3/26/03	1:47
Dichlorodifluoromethane	< 0.00050	mg/l	4088	3/25/03	13:58
Dichlorodifluoromethane	< 0.00050	mg/l	4088	3/26/03	1:47
1,1-Dichloroethane	< 0.00020	mg/l	4088	3/25/03	13:58
1,1-Dichloroethane	< 0.00020	mg/l	4088	3/26/03	1:47
1,2-Dichloroethane	< 0.00060	mg/l	4088	3/25/03	13:58
1,2-Dichloroethane	< 0.00060	mg/l	4088	3/26/03	1:47
1,1-Dichloroethene	< 0.00060	mg/l	4088	3/25/03	13:58
1,1-Dichloroethene	< 0.00060	mg/l	4088	3/26/03	1:47
cis-1,2-Dichloroethene	< 0.00060	mg/l	4088	3/25/03	13:58
cis-1,2-Dichloroethene	< 0.00060	mg/l	4088	3/26/03	1:47

ject QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 9

Laboratory Receipt Date: 3/22/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
cis-1,2-Dichloroethene	< 0.00060	mg/l	7783	3/26/03	15:04
cis-1,2-Dichloroethene	< 0.00060	mg/l	7792	3/26/03	15:04
trans-1,2-Dichloroethene	< 0.00050	mg/l	4088	3/25/03	13:58
trans-1,2-Dichloroethene	< 0.00050	mg/l	4088	3/26/03	1:47
trans-1,2-Dichloroethene	< 0.00050	mg/l	7783	3/26/03	15:04
1,2-Dichloropropane	< 0.00040	mg/l	4088	3/25/03	13:58
1,2-Dichloropropane	< 0.00040	mg/l	4088	3/26/03	1:47
1,3-Dichloropropane	< 0.00040	mg/l	4088	3/25/03	13:58
1,3-Dichloropropane	< 0.00040	mg/l	4088	3/26/03	1:47
2,2-Dichloropropane	< 0.00040	mg/l	4088	3/25/03	13:58
2,2-Dichloropropane	< 0.00040	mg/l	4088	3/26/03	1:47
1,1-Dichloropropene	< 0.00050	mg/l	4088	3/25/03	13:58
1,1-Dichloropropene	< 0.00050	mg/l	4088	3/26/03	1:47
cis-1,3-Dichloropropene	< 0.00030	mg/l	4088	3/25/03	13:58
cis-1,3-Dichloropropene	< 0.00030	mg/l	4088	3/26/03	1:47
trans-1,3-Dichloropropene	< 0.00050	mg/l	4088	3/25/03	13:58
trans-1,3-Dichloropropene	< 0.00050	mg/l	4088	3/26/03	1:47
Ethylbenzene	< 0.0003	mg/l	4088	3/25/03	13:58
Ethylbenzene	< 0.0003	mg/l	4088	3/26/03	1:47
Hexachlorobutadiene	< 0.00080	mg/l	4088	3/25/03	13:58
Hexachlorobutadiene	< 0.00080	mg/l	4088	3/26/03	1:47
2-Hexanone	< 0.00420	mg/l	4088	3/25/03	13:58
2-Hexanone	< 0.00420	mg/l	4088	3/26/03	1:47
Isopropylbenzene	< 0.00040	mg/l	4088	3/25/03	13:58
Isopropylbenzene	< 0.00040	mg/l	4088	3/26/03	1:47
4-Isopropyltoluene	< 0.00060	mg/l	4088	3/25/03	13:58
4-Isopropyltoluene	< 0.00060	mg/l	4088	3/26/03	1:47
4-Methyl-2-pentanone	< 0.00490	mg/l	4088	3/25/03	13:58
4-Methyl-2-pentanone	< 0.00490	mg/l	4088	3/26/03	1:47
Methylene chloride	< 0.00240	mg/l	4088	3/25/03	13:58
Methylene chloride	< 0.00240	mg/l	4088	3/26/03	1:47

Project QC continued . . .

March 22 - 24, 2003
Analytical Data

TestAmerica

INCORPORATED

3/31/03

MACTEC ENGINEERING 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: 325075.

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.

Page 1

Sample Identification	Lab Number	Collection Date
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BR-12 (MS/MSD)	03-A44166	3/22/03
BR-13	03-A44167	3/22/03
W-6	03-A44168	3/22/03
BR-15	03-A44169	3/22/03
BR-10	03-A44170	3/22/03
OB-04	03-A44171	3/22/03
BR-04	03-A44172	3/23/03
BR-05	03-A44173	3/23/03
BR-09	03-A44174	3/23/03
OB-08	03-A44175	3/24/03
BR-11	03-A44176	3/24/03

TestAmerica

INCORPORATED

Page 2

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: Paul E. Lane, Jr.

Report Date: 3/31/03

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

INCORPORATED

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A44166
Sample ID: BR-12 (MS/MSD)
Sample Type: Ground water
Site ID:

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

Date Collected: 3/22/03
Time Collected: 8:58
Date Received: 3/25/03
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	3/28/03	20:01	B.Herford	8260B	8337
Benzene	ND	mg/l	0.0010	1	3/28/03	20:01	B.Herford	8260B	8337
Bromobenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Bromochloromethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Bromoform	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Bromomethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
2-Butanone	ND	mg/l	0.0250	1	3/28/03	20:01	B.Herford	8260B	8337
n-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
sec-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
t-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Carbon disulfide	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Carbon tetrachloride	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Chlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Chloroethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Chloroform	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Chloromethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
2-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
4-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/28/03	20:01	B.Herford	8260B	8337
Dibromochloromethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Dibromomethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44166
Sample ID: BR-12 (MS/MSD)
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
cis-1,2-Dichloroethene	0.0275	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Ethylbenzene	ND	mg/l	0.0010	1	3/28/03	20:01	B.Herford	8260B	8337
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
2-Hexanone	ND	mg/l	0.00500	1	3/28/03	20:01	B.Herford	8260B	8337
Isopropylbenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/28/03	20:01	B.Herford	8260B	8337
Methylene chloride	ND	mg/l	0.00250	1	3/28/03	20:01	B.Herford	8260B	8337
Naphthalene	ND	mg/l	0.00500	1	3/28/03	20:01	B.Herford	8260B	8337
n-Propylbenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Styrene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Tetrachloroethene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Toluene	ND	mg/l	0.0010	1	3/28/03	20:01	B.Herford	8260B	8337
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Trichloroethene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/28/03	20:01	B.Herford	8260B	8337
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Vinyl chloride	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337
Xylenes (Total)	ND	mg/l	0.0010	1	3/28/03	20:01	B.Herford	8260B	8337
Bromodichloromethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44166
 Sample ID: BR-12 (MS/MSD)
 Project: 51870.9
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/28/03	20:01	B.Herford	8260B	8337

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	98.	80. - 121.
VOA Surr, 4-BFB	94.	80. - 128.
VOA Surr, DBFM	103.	81. - 121.

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.

ANALYTICAL REPORT

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

Lab Number: 03-A44167
Sample ID: BR-13
Sample Type: Ground water
Site ID:

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

Date Collected: 3/22/03
Time Collected: 9:01
Date Received: 3/25/03
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	3/28/03	20:34	B.Herford	8260B	8336
Benzene	ND	mg/l	0.0010	1	3/28/03	20:34	B.Herford	8260B	8336
Bromobenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Bromochloromethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Bromoform	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Bromomethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
2-Butanone	ND	mg/l	0.0250	1	3/28/03	20:34	B.Herford	8260B	8336
n-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
sec-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
t-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Carbon disulfide	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Carbon tetrachloride	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Chlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Chloroethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Chloroform	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Chloromethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
2-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
4-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/28/03	20:34	B.Herford	8260B	8336
Dibromochloromethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Dibromomethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44167
Sample ID: BR-13
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
cis-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Ethylbenzene	ND	mg/l	0.0010	1	3/28/03	20:34	B.Herford	8260B	8336
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
2-Hexanone	ND	mg/l	0.00500	1	3/28/03	20:34	B.Herford	8260B	8336
Isopropylbenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/28/03	20:34	B.Herford	8260B	8336
Methylene chloride	ND	mg/l	0.00250	1	3/28/03	20:34	B.Herford	8260B	8336
Naphthalene	ND	mg/l	0.00500	1	3/28/03	20:34	B.Herford	8260B	8336
n-Propylbenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Styrene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Tetrachloroethene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Toluene	ND	mg/l	0.0010	1	3/28/03	20:34	B.Herford	8260B	8336
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Trichloroethene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/28/03	20:34	B.Herford	8260B	8336
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Vinyl chloride	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336
Xylenes (Total)	ND	mg/l	0.0010	1	3/28/03	20:34	B.Herford	8260B	8336
Bromodichloromethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44167
 Sample ID: BR-13
 Project: 51870.9
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/28/03	20:34	B.Herford	82608	8336

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	73. - 133.
VOA Surr Toluene-d8	100.	80. - 121.
VOA Surr, 4-BFB	97.	80. - 128.
VOA Surr, DBFM	103.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A44168
Sample ID: W-6
Sample Type: Ground water
Site ID:

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

Date Collected: 3/22/03
Time Collected: 10:10
Date Received: 3/25/03
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	3/28/03	21:08	B.Herford	8260B	8336
Benzene	ND	mg/l	0.0010	1	3/28/03	21:08	B.Herford	8260B	8336
Bromobenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Bromochloromethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Bromoform	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Bromomethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
2-Butanone	ND	mg/l	0.0250	1	3/28/03	21:08	B.Herford	8260B	8336
n-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
sec-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
t-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Carbon disulfide	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Carbon tetrachloride	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Chlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Chloroethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Chloroform	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Chloromethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
2-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
4-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/28/03	21:08	B.Herford	8260B	8336
Dibromochloromethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Dibromomethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44168

Sample ID: W-6

Project: 51870.9

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
cis-1,2-Dichloroethene	0.00570	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Ethylbenzene	ND	mg/l	0.0010	1	3/28/03	21:08	B.Herford	8260B	8336
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
2-Hexanone	ND	mg/l	0.00500	1	3/28/03	21:08	B.Herford	8260B	8336
Isopropylbenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/28/03	21:08	B.Herford	8260B	8336
Methylene chloride	ND	mg/l	0.00250	1	3/28/03	21:08	B.Herford	8260B	8336
Naphthalene	ND	mg/l	0.00500	1	3/28/03	21:08	B.Herford	8260B	8336
n-Propylbenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Styrene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Tetrachloroethene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Toluene	ND	mg/l	0.0010	1	3/28/03	21:08	B.Herford	8260B	8336
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Trichloroethene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/28/03	21:08	B.Herford	8260B	8336
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Vinyl chloride	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336
Xylenes (Total)	ND	mg/l	0.0010	1	3/28/03	21:08	B.Herford	8260B	8336
Bromodichloromethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44168
 Sample ID: W-6
 Project: 51870.9
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/28/03	21:08	B.Herford	8260B	8336

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	73. - 133.
VOA Surr Toluene-d8	100.	80. - 121.
VOA Surr, 4-BFB	96.	80. - 128.
VOA Surr, DBFM	105.	81. - 121.

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.



ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A44169
Sample ID: BR-15
Sample Type: Ground water
Site ID:

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

Date Collected: 3/22/03
Time Collected: 11:37
Date Received: 3/25/03
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	3/28/03	21:42	B.Herford	8260B	8336
Benzene	ND	mg/l	0.0010	1	3/28/03	21:42	B.Herford	8260B	8336
Bromobenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Bromochloromethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Bromoform	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Bromomethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
2-Butanone	ND	mg/l	0.0250	1	3/28/03	21:42	B.Herford	8260B	8336
n-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
sec-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
t-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Carbon disulfide	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Carbon tetrachloride	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Chlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Chloroethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Chloroform	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Chloromethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
2-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
4-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/28/03	21:42	B.Herford	8260B	8336
Dibromochloromethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Dibromomethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44169

Sample ID: BR-15

Project: 51870.9

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,1-Dichloroethene	0.00430	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
cis-1,2-Dichloroethene	0.404	mg/l	0.0100	10	3/30/03	4:43	B.Herford	8260B	9390
trans-1,2-Dichloroethene	0.0219	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Ethylbenzene	ND	mg/l	0.0010	1	3/28/03	21:42	B.Herford	8260B	8336
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
2-Hexanone	ND	mg/l	0.00500	1	3/28/03	21:42	B.Herford	8260B	8336
Isopropylbenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/28/03	21:42	B.Herford	8260B	8336
Methylene chloride	ND	mg/l	0.00250	1	3/28/03	21:42	B.Herford	8260B	8336
Naphthalene	ND	mg/l	0.00500	1	3/28/03	21:42	B.Herford	8260B	8336
n-Propylbenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Styrene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Tetrachloroethene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Toluene	ND	mg/l	0.0010	1	3/28/03	21:42	B.Herford	8260B	8336
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Trichloroethene	2.50	mg/l	0.0500	50	3/30/03	5:17	B.Herford	8260B	9394
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/28/03	21:42	B.Herford	8260B	8336
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Vinyl chloride	0.00120	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336
Xylenes (Total)	ND	mg/l	0.0010	1	3/28/03	21:42	B.Herford	8260B	8336
Bromodichloromethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44169
 Sample ID: BR-15
 Project: 51870.9
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/28/03	21:42	B.Herford	8260B	8336

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	99.	80. - 128.
VOA Surr, DBFM	100.	81. - 121.

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

INCORPORATED

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A44170
Sample ID: BR-10
Sample Type: Ground water
Site ID:

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

Date Collected: 3/22/03
Time Collected: 14:40
Date Received: 3/25/03
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	3/28/03	22:15	B. Herford	8260B	8336
Benzene	ND	mg/l	0.0010	1	3/28/03	22:15	B. Herford	8260B	8336
Bromobenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Bromochloromethane	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Bromoform	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Bromomethane	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
2-Butanone	ND	mg/l	0.0250	1	3/28/03	22:15	B. Herford	8260B	8336
n-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
sec-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
t-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Carbon disulfide	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Carbon tetrachloride	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Chlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Chloroethane	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Chloroform	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Chloromethane	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
2-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
4-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/28/03	22:15	B. Herford	8260B	8336
Dibromochloromethane	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Dibromomethane	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/28/03	22:15	B. Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44170
Sample ID: BR-10
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,1-Dichloroethene	0.00250	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
cis-1,2-Dichloroethene	0.886	mg/l	0.0100	10	3/30/03	5:50	B.Herford	8260B	9390
trans-1,2-Dichloroethene	0.0422	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
Ethylbenzene	ND	mg/l	0.0010	1	3/28/03	22:15	B.Herford	8260B	8336
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
2-Hexanone	ND	mg/l	0.00500	1	3/28/03	22:15	B.Herford	8260B	8336
Isopropylbenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/28/03	22:15	B.Herford	8260B	8336
Methylene chloride	ND	mg/l	0.00250	1	3/28/03	22:15	B.Herford	8260B	8336
Naphthalene	ND	mg/l	0.00500	1	3/28/03	22:15	B.Herford	8260B	8336
n-Propylbenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
Styrene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
Tetrachloroethene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
Toluene	ND	mg/l	0.0010	1	3/28/03	22:15	B.Herford	8260B	8336
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
Trichloroethene	2.58	mg/l	0.0500	50	3/30/03	6:24	B.Herford	8260B	9394
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/28/03	22:15	B.Herford	8260B	8336
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
Vinyl chloride	0.00310	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336
Xylenes (Total)	ND	mg/l	0.0010	1	3/28/03	22:15	B.Herford	8260B	8336
Bromodichloromethane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44170

Sample ID: BR-10

Project: 51870.9

Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/28/03	22:15	B.Herford	8260B	8336

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	99.	80. - 128.
VOA Surr, DBFM	102.	81. - 121.

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

INCORPORATED

ANALYTICAL REPORT

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

Lab Number: 03-A44171
Sample ID: OB-04
Sample Type: Ground water
Site ID:

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

Date Collected: 3/22/03
Time Collected: 15:37
Date Received: 3/25/03
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	3/28/03	22:49	B.Herford	8260B	8336
Benzene	ND	mg/l	0.0010	1	3/28/03	22:49	B.Herford	8260B	8336
Bromobenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Bromochloromethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Bromoform	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Bromomethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
2-Butanone	ND	mg/l	0.0250	1	3/28/03	22:49	B.Herford	8260B	8336
n-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
sec-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
t-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Carbon disulfide	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Carbon tetrachloride	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Chlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Chloroethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Chloroform	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Chloromethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
2-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
4-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/28/03	22:49	B.Herford	8260B	8336
Dibromochloromethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Dibromomethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44171
Sample ID: OB-04
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
cis-1,2-Dichloroethene	0.00130	mg/l	0.00100	1	3/29/03	23:39	B.Herford	8260B	9390
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Ethylbenzene	ND	mg/l	0.0010	1	3/28/03	22:49	B.Herford	8260B	8336
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
2-Hexanone	ND	mg/l	0.00500	1	3/28/03	22:49	B.Herford	8260B	8336
Isopropylbenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/28/03	22:49	B.Herford	8260B	8336
Methylene chloride	ND	mg/l	0.00250	1	3/28/03	22:49	B.Herford	8260B	8336
Naphthalene	ND	mg/l	0.00500	1	3/28/03	22:49	B.Herford	8260B	8336
n-Propylbenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Styrene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Tetrachloroethene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Toluene	ND	mg/l	0.0010	1	3/28/03	22:49	B.Herford	8260B	8336
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Trichloroethene	0.0113	mg/l	0.00100	1	3/29/03	23:39	B.Herford	8260B	9390
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/28/03	22:49	B.Herford	8260B	8336
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Vinyl chloride	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336
Xylenes (Total)	ND	mg/l	0.0010	1	3/28/03	22:49	B.Herford	8260B	8336
Bromodichloromethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44171
 Sample ID: OB-04
 Project: 51870.9
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/28/03	22:49	B.Herford	8260B	8336

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	97.	80. - 128.
VOA Surr, DBFM	103.	81. - 121.

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.



ANALYTICAL REPORT

MACTEC ENGINEERNIG AND CONSULT 4997

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

Lab Number: 03-A44172
Sample ID: BR-04
Sample Type: Ground water
Site ID:

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

Date Collected: 3/23/03
Time Collected: 8:56
Date Received: 3/25/03
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	3/28/03	23:23	B.Herford	8260B	8336
Benzene	ND	mg/l	0.0010	1	3/28/03	23:23	B.Herford	8260B	8336
Bromobenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Bromochloromethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Bromoform	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Bromomethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
2-Butanone	ND	mg/l	0.0250	1	3/28/03	23:23	B.Herford	8260B	8336
n-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
sec-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
t-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Carbon disulfide	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Carbon tetrachloride	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Chlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Chloroethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Chloroform	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Chloromethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
2-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
4-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/28/03	23:23	B.Herford	8260B	8336
Dibromochloromethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Dibromomethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44172
Sample ID: BR-04
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,1-Dichloroethene	0.00680	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
cis-1,2-Dichloroethene	0.473	mg/l	0.0100	10	3/30/03	6:58	B.Herford	8260B	9390
trans-1,2-Dichloroethene	0.0520	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Ethylbenzene	ND	mg/l	0.0010	1	3/28/03	23:23	B.Herford	8260B	8336
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
2-Hexanone	ND	mg/l	0.00500	1	3/28/03	23:23	B.Herford	8260B	8336
Isopropylbenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/28/03	23:23	B.Herford	8260B	8336
Methylene chloride	ND	mg/l	0.00250	1	3/28/03	23:23	B.Herford	8260B	8336
Naphthalene	ND	mg/l	0.00500	1	3/28/03	23:23	B.Herford	8260B	8336
n-Propylbenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Styrene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Tetrachloroethene	0.00180	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Toluene	ND	mg/l	0.0010	1	3/28/03	23:23	B.Herford	8260B	8336
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Trichloroethene	4.63	mg/l	0.0500	50	3/30/03	7:32	B.Herford	8260B	9394
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/28/03	23:23	B.Herford	8260B	8336
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Vinyl chloride	0.0148	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336
Xylenes (Total)	ND	mg/l	0.0010	1	3/28/03	23:23	B.Herford	8260B	8336
Bromodichloromethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44172
 Sample ID: BR-04
 Project: 51870.9
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/28/03	23:23	B.Herford	8260B	8336

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	73. - 133.
VOA Surr Toluene-d8	102.	80. - 121.
VOA Surr, 4-BFB	101.	80. - 128.
VOA Surr, DBFM	103.	81. - 121.

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.



ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A44173

Sample ID: BR-05

Sample Type: Ground water

Site ID:

Project: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Sampler: JANNA PEERLER

Date Collected: 3/23/03

Time Collected: 9:50

Date Received: 3/25/03

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	3/28/03	23:57	B.Herford	8260B	8336
Benzene	0.0054	mg/l	0.0010	1	3/28/03	23:57	B.Herford	8260B	8336
Bromobenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Bromochloromethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Bromoform	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Bromomethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
2-Butanone	ND	mg/l	0.0250	1	3/28/03	23:57	B.Herford	8260B	8336
n-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
sec-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
t-Butylbenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Carbon disulfide	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Carbon tetrachloride	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Chlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Chloroethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Chloroform	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Chloromethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
2-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
4-Chlorotoluene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/28/03	23:57	B.Herford	8260B	8336
Dibromochloromethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Dibromomethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44173

Sample ID: BR-05

Project: 51870.9

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	0.00120	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,1-Dichloroethene	0.0200	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
cis-1,2-Dichloroethene	1.04	mg/l	0.0100	10	3/30/03	10:55	B.Herford	8260B	9390
trans-1,2-Dichloroethene	0.113	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Ethylbenzene	ND	mg/l	0.0010	1	3/28/03	23:57	B.Herford	8260B	8336
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
2-Hexanone	ND	mg/l	0.00500	1	3/28/03	23:57	B.Herford	8260B	8336
Isopropylbenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/28/03	23:57	B.Herford	8260B	8336
Methylene chloride	ND	mg/l	0.00250	1	3/28/03	23:57	B.Herford	8260B	8336
Naphthalene	ND	mg/l	0.00500	1	3/28/03	23:57	B.Herford	8260B	8336
n-Propylbenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Styrene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Tetrachloroethene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Toluene	ND	mg/l	0.0010	1	3/28/03	23:57	B.Herford	8260B	8336
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Trichloroethene	2.44	mg/l	0.0500	50	3/30/03	11:29	B.Herford	8260B	9394
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/28/03	23:57	B.Herford	8260B	8336
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336
Vinyl chloride	0.184	mg/l	0.0100	10	3/30/03	10:55	B.Herford	8260B	9390
Xylenes (Total)	ND	mg/l	0.0010	1	3/28/03	23:57	B.Herford	8260B	8336
Bromodichloromethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44173
 Sample ID: BR-05
 Project: 51870.9
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/28/03	23:57	B.Herford	8260B	8336

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	73. - 133.
VOA Surr Toluene-d8	99.	80. - 121.
VOA Surr, 4-BFB	98.	80. - 128.
VOA Surr, DBFM	103.	81. - 121.

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.

ANALYTICAL REPORT

MACTEC ENGINEERING AND CONSULT 4997

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

Lab Number: 03-A44174
Sample ID: BR-09
Sample Type: Ground water
Site ID:

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

Date Collected: 3/23/03
Time Collected: 10:57
Date Received: 3/25/03
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	3/29/03	5:35	B.Herford	8260B	8337
Benzene	ND	mg/l	0.0010	1	3/29/03	5:35	B.Herford	8260B	8337
Bromobenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Bromochloromethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Bromoform	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Bromomethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
2-Butanone	ND	mg/l	0.0250	1	3/29/03	5:35	B.Herford	8260B	8337
n-Butylbenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
sec-Butylbenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
t-Butylbenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Carbon disulfide	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Carbon tetrachloride	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Chlorobenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Chloroethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Chloroform	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Chloromethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
2-Chlorotoluene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
4-Chlorotoluene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/29/03	5:35	B.Herford	8260B	8337
Dibromochloromethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Dibromomethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44174

Sample ID: BR-09

Project: 51870.9

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,1-Dichloroethene	0.00100	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
cis-1,2-Dichloroethene	0.303	mg/l	0.00500	5	3/30/03	13:10	B.Herford	8260B	9439
trans-1,2-Dichloroethene	0.00210	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Ethylbenzene	ND	mg/l	0.0010	1	3/29/03	5:35	B.Herford	8260B	8337
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
2-Hexanone	ND	mg/l	0.00500	1	3/29/03	5:35	B.Herford	8260B	8337
Isopropylbenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/29/03	5:35	B.Herford	8260B	8337
Methylene chloride	ND	mg/l	0.00250	1	3/29/03	5:35	B.Herford	8260B	8337
Naphthalene	ND	mg/l	0.00500	1	3/29/03	5:35	B.Herford	8260B	8337
n-Propylbenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Styrene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Tetrachloroethene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Toluene	ND	mg/l	0.0010	1	3/29/03	5:35	B.Herford	8260B	8337
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Trichloroethene	0.343	mg/l	0.00500	5	3/30/03	13:10	B.Herford	8260B	9439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/29/03	5:35	B.Herford	8260B	8337
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Vinyl chloride	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337
Xylenes (Total)	ND	mg/l	0.0010	1	3/29/03	5:35	B.Herford	8260B	8337
Bromodichloromethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44174

Sample ID: BR-09

Project: 51870.9

Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/29/03	5:35	B.Herford	8260B	8337

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	73. - 133.
VOA Surr Toluene-d8	101.	80. - 121.
VOA Surr, 4-BFB	102.	80. - 128.
VOA Surr, DBFM	99.	81. - 121.

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.

ANALYTICAL REPORT

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

Lab Number: 03-A44175
Sample ID: OB-08
Sample Type: Ground water
Site ID:

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

Date Collected: 3/24/03
Time Collected: 9:27
Date Received: 3/25/03
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	3/29/03	6:09	B.Herford	8260B	8337
Benzene	ND	mg/l	0.0010	1	3/29/03	6:09	B.Herford	8260B	8337
Bromobenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Bromochloromethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Bromoform	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Bromomethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
2-Butanone	ND	mg/l	0.0250	1	3/29/03	6:09	B.Herford	8260B	8337
n-Butylbenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
sec-Butylbenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
t-Butylbenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Carbon disulfide	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Carbon tetrachloride	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Chlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Chloroethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Chloroform	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Chloromethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
2-Chlorotoluene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
4-Chlorotoluene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/29/03	6:09	B.Herford	8260B	8337
Dibromochloromethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Dibromomethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44175
Sample ID: OB-08
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,1-Dichloroethene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
cis-1,2-Dichloroethene	0.0373	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
trans-1,2-Dichloroethene	0.00220	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Ethylbenzene	ND	mg/l	0.0010	1	3/29/03	6:09	B.Herford	8260B	8337
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
2-Hexanone	ND	mg/l	0.00500	1	3/29/03	6:09	B.Herford	8260B	8337
Isopropylbenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/29/03	6:09	B.Herford	8260B	8337
Methylene chloride	ND	mg/l	0.00250	1	3/29/03	6:09	B.Herford	8260B	8337
Naphthalene	ND	mg/l	0.00500	1	3/29/03	6:09	B.Herford	8260B	8337
n-Propylbenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Styrene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Tetrachloroethene	0.00510	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Toluene	ND	mg/l	0.0010	1	3/29/03	6:09	B.Herford	8260B	8337
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,1,1-Trichloroethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Trichloroethene	3.48	mg/l	0.0500	50	3/30/03	13:43	B.Herford	8260B	9439
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/29/03	6:09	B.Herford	8260B	8337
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Vinyl chloride	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337
Xylenes (Total)	ND	mg/l	0.0010	1	3/29/03	6:09	B.Herford	8260B	8337
Bromodichloromethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44175
 Sample ID: OB-08
 Project: 51870.9
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.00100	1	3/29/03	6:09	B.Herford	8260B	8337

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	102.	80. - 121.
VOA Surr, 4-BFB	100.	80. - 128.
VOA Surr, DBFM	101.	81. - 121.

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.



ANALYTICAL REPORT

MACTEC ENGINEERNIG AND CONSULT 4997

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

Lab Number: 03-A44176

Sample ID: BR-11

Sample Type: Ground water

Site ID:

Project: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Sampler: JANNA PEERLER

Date Collected: 3/24/03

Time Collected: 10:14

Date Received: 3/25/03

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	3/29/03	6:43	B.Herford	8260B	8337
Benzene	ND	mg/l	0.0010	1	3/29/03	6:43	B.Herford	8260B	8337
Bromobenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Bromochloromethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Bromoform	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Bromomethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
2-Butanone	ND	mg/l	0.0250	1	3/29/03	6:43	B.Herford	8260B	8337
n-Butylbenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
sec-Butylbenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
t-Butylbenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Carbon disulfide	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Carbon tetrachloride	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Chlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Chloroethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Chloroform	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Chloromethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
2-Chlorotoluene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
4-Chlorotoluene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,2-Dibromo-3-chloropropane	ND	mg/l	0.00500	1	3/29/03	6:43	B.Herford	8260B	8337
Dibromochloromethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,2-Dibromoethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Dibromomethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,2-Dichlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,3-Dichlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,4-Dichlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Dichlorodifluoromethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44176
Sample ID: BR-11
Project: 51870.9
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	0.00300	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,2-Dichloroethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,1-Dichloroethene	0.00810	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
cis-1,2-Dichloroethene	0.338	mg/l	0.0100	10	3/30/03	12:02	B.Herford	8260B	9439
trans-1,2-Dichloroethene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,2-Dichloropropane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,3-Dichloropropane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
2,2-Dichloropropane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,1-Dichloropropene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
cis-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
trans-1,3-Dichloropropene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Ethylbenzene	ND	mg/l	0.0010	1	3/29/03	6:43	B.Herford	8260B	8337
Hexachlorobutadiene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
2-Hexanone	ND	mg/l	0.00500	1	3/29/03	6:43	B.Herford	8260B	8337
Isopropylbenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
4-Isopropyltoluene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
4-Methyl-2-pentanone	ND	mg/l	0.00500	1	3/29/03	6:43	B.Herford	8260B	8337
Methylene chloride	ND	mg/l	0.00250	1	3/29/03	6:43	B.Herford	8260B	8337
Naphthalene	ND	mg/l	0.00500	1	3/29/03	6:43	B.Herford	8260B	8337
n-Propylbenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Styrene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,1,1,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,1,2,2-Tetrachloroethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Tetrachloroethene	0.00230	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Toluene	ND	mg/l	0.0010	1	3/29/03	6:43	B.Herford	8260B	8337
1,2,3-Trichlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,2,4-Trichlorobenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,1,1-Trichloroethane	0.00400	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,1,2-Trichloroethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Trichloroethene	26.6	mg/l	0.200	200	3/30/03	12:36	B.Herford	8260B	9441
1,2,3-Trichloropropane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	3/29/03	6:43	B.Herford	8260B	8337
1,3,5-Trimethylbenzene	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Vinyl chloride	0.0257	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337
Xylenes (Total)	ND	mg/l	0.0010	1	3/29/03	6:43	B.Herford	8260B	8337
Bromodichloromethane	ND	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A44176

Sample ID: BR-11

Project: 51870.9

Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	0.00140	mg/l	0.00100	1	3/29/03	6:43	B.Herford	8260B	8337

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	73. - 133.
VOA Surr Toluene-d8	100.	80. - 121.
VOA Surr, 4-BFB	100.	80. - 128.
VOA Surr, DBFM	100.	81. - 121.

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.

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 1

Laboratory Receipt Date: 3/25/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS								
Benzene	mg/l	< 0.0010	0.0518	0.0500	104	78. - 132.	8336	03-A44692
Benzene	mg/l	< 0.0010	0.0518	0.0500	104	78. - 132.	8337	03-A44166
Chlorobenzene	mg/l	< 0.00100	0.0511	0.0500	102	79. - 124.	8336	03-A44692
Chlorobenzene	mg/l	< 0.00100	0.0512	0.0500	102	79. - 124.	8337	03-A44166
1,1-Dichloroethene	mg/l	0.00100	0.0488	0.0500	96	68. - 141.	8336	03-A44692
1,1-Dichloroethene	mg/l	< 0.00100	0.0498	0.0500	100	68. - 141.	8337	03-A44166
Toluene	mg/l	< 0.0010	0.0521	0.0500	104	77. - 134.	8336	03-A44692
Toluene	mg/l	< 0.0010	0.0531	0.0500	106	77. - 134.	8337	03-A44166
Trichloroethene	mg/l	< 0.00100	0.0552	0.0500	110	73. - 137.	8336	03-A44692
Trichloroethene	mg/l	< 0.00100	0.0524	0.0500	105	73. - 137.	8337	03-A44166
Tetrachloroethene	mg/l	< 0.00100	0.0528	0.0500	106	72. - 136.	8336	03-A44692
Tetrachloroethene	mg/l	< 0.00100	0.0509	0.0500	102	72. - 136.	8337	03-A44166
VOA Surr 1,2-DCA-d4	µ Rec				100	73. - 133.	8336	
VOA Surr 1,2-DCA-d4	µ Rec				98	73. - 133.	8337	
VOA Surr Toluene-d8	µ Rec				99	80. - 121.	8336	
VOA Surr Toluene-d8	µ Rec				103	80. - 121.	8337	
VOA Surr, 4-BFB	µ Rec				93	80. - 128.	8336	
VOA Surr, 4-BFB	µ Rec				97	80. - 128.	8337	
VOA Surr, DBFM	µ Rec				102	81. - 121.	8336	
VOA Surr, DBFM	µ Rec				102	81. - 121.	8337	

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

Page: 2

Laboratory Receipt Date: 3/25/03

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----

VOA PARAMETERS

Benzene	mg/l	0.0518	0.0533	2.85	15.	8336
Benzene	mg/l	0.0518	0.0513	0.97	15.	8337
Chlorobenzene	mg/l	0.0511	0.0531	3.84	16.	8336
Chlorobenzene	mg/l	0.0512	0.0517	0.97	16.	8337
1,1-Dichloroethene	mg/l	0.0488	0.0523	6.92	19.	8336
1,1-Dichloroethene	mg/l	0.0498	0.0483	3.06	19.	8337
Toluene	mg/l	0.0521	0.0531	1.90	16.	8336
Toluene	mg/l	0.0531	0.0532	0.19	16.	8337
Trichloroethene	mg/l	0.0552	0.0529	4.26	20.	8336
Trichloroethene	mg/l	0.0524	0.0522	0.38	20.	8337
Tetrachloroethene	mg/l	0.0528	0.0540	2.25	23.	8336
Tetrachloroethene	mg/l	0.0509	0.0509	0.00	23.	8337
VOA Surr 1,2-DCA-d4	% Rec		99.			8336
VOA Surr 1,2-DCA-d4	% Rec		97.			8337
VOA Surr Toluene-d8	% Rec		99.			8336
VOA Surr Toluene-d8	% Rec		103.			8337
VOA Surr, 4-BFB	% Rec		89.			8336
VOA Surr, 4-BFB	% Rec		99.			8337
VOA Surr, DBFM	% Rec		101.			8336
VOA Surr, DBFM	% Rec		101.			8337

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Acetone	mg/l	0.250	0.244	98	60 - 154	8336
Acetone	mg/l	0.250	0.242	97	60 - 154	8337
Acetone	mg/l	0.250	0.269	108	60 - 154	8337
Benzene	mg/l	0.0500	0.0463	93	78 - 127	8336
Benzene	mg/l	0.0500	0.0509	102	78 - 127	8337
Benzene	mg/l	0.0500	0.0506	101	78 - 127	8337
Bromobenzene	mg/l	0.0500	0.0470	94	80 - 120	8336
Bromobenzene	mg/l	0.0500	0.0480	96	80 - 120	8337
Bromobenzene	mg/l	0.0500	0.0496	99	80 - 120	8337
Bromochloromethane	mg/l	0.0500	0.0468	94	66 - 137	8336
Bromochloromethane	mg/l	0.0500	0.0487	97	66 - 137	8337
Bromochloromethane	mg/l	0.0500	0.0504	101	66 - 137	8337
Bromoform	mg/l	0.0500	0.0477	95	66 - 129	8336
Bromoform	mg/l	0.0500	0.0471	94	66 - 129	8337
Bromoform	mg/l	0.0500	0.0505	101	66 - 129	8337
Bromomethane	mg/l	0.0500	0.0440	88	47 - 163	8336
Bromomethane	mg/l	0.0500	0.0489	98	47 - 163	8337
Bromomethane	mg/l	0.0500	0.0441	88	47 - 163	8337
2-Butanone	mg/l	0.250	0.263	105	75 - 140	8336
2-Butanone	mg/l	0.250	0.257	103	75 - 140	8337
2-Butanone	mg/l	0.250	0.270	108	75 - 140	8337
n-Butylbenzene	mg/l	0.0500	0.0473	95	61 - 131	8336
n-Butylbenzene	mg/l	0.0500	0.0473	95	61 - 131	8337
n-Butylbenzene	mg/l	0.0500	0.0483	97	61 - 131	8337
sec-Butylbenzene	mg/l	0.0500	0.0468	94	72 - 124	8336
sec-Butylbenzene	mg/l	0.0500	0.0490	98	72 - 124	8337
sec-Butylbenzene	mg/l	0.0500	0.0500	100	72 - 124	8337
t-Butylbenzene	mg/l	0.0500	0.0483	97	74 - 123	8336
t-Butylbenzene	mg/l	0.0500	0.0504	101	74 - 123	8337

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
t-Butylbenzene	mg/l	0.0500	0.0511	102	74 - 123	8337
Carbon disulfide	mg/l	0.0500	0.0446	89	67 - 138	8336
Carbon disulfide	mg/l	0.0500	0.0485	97	67 - 138	8337
Carbon disulfide	mg/l	0.0500	0.0510	102	67 - 138	8337
Carbon tetrachloride	mg/l	0.0500	0.0486	97	69 - 132	8336
Carbon tetrachloride	mg/l	0.0500	0.0482	96	69 - 132	8337
Carbon tetrachloride	mg/l	0.0500	0.0545	109	69 - 132	8337
Chlorobenzene	mg/l	0.0500	0.0473	95	81 - 120	8336
Chlorobenzene	mg/l	0.0500	0.0491	98	81 - 120	8337
Chlorobenzene	mg/l	0.0500	0.0506	101	81 - 120	8337
Chloroethane	mg/l	0.0500	0.0458	92	65 - 134	8336
Chloroethane	mg/l	0.0500	0.0453	91	65 - 134	8337
Chloroethane	mg/l	0.0500	0.0510	102	65 - 134	8337
Chloroform	mg/l	0.0500	0.0467	93	77 - 125	8336
Chloroform	mg/l	0.0500	0.0508	102	77 - 125	8337
Chloroform	mg/l	0.0500	0.0523	105	77 - 125	8337
Chloromethane	mg/l	0.0500	0.0475	95	43 - 142	8336
Chloromethane	mg/l	0.0500	0.0415	83	43 - 142	8337
Chloromethane	mg/l	0.0500	0.0510	102	43 - 142	8337
2-Chlorotoluene	mg/l	0.0500	0.0462	92	76 - 126	8336
2-Chlorotoluene	mg/l	0.0500	0.0494	99	76 - 126	8337
2-Chlorotoluene	mg/l	0.0500	0.0489	98	76 - 126	8337
4-Chlorotoluene	mg/l	0.0500	0.0473	95	79 - 123	8336
4-Chlorotoluene	mg/l	0.0500	0.0491	98	79 - 123	8337
4-Chlorotoluene	mg/l	0.0500	0.0498	100	79 - 123	8337
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0558	112	64 - 132	8336
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0432	86	64 - 132	8337
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0605	121	64 - 132	8337
Dibromochloromethane	mg/l	0.0500	0.0539	108	78 - 124	8336
Dibromochloromethane	mg/l	0.0500	0.0536	107	78 - 124	8337
Dibromochloromethane	mg/l	0.0500	0.0562	112	78 - 124	8337

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,2-Dibromoethane	mg/l	0.0500	0.0489	98	79 - 126	8336
1,2-Dibromoethane	mg/l	0.0500	0.0435	87	79 - 126	8337
1,2-Dibromoethane	mg/l	0.0500	0.0532	106	79 - 126	8337
Dibromomethane	mg/l	0.0500	0.0488	98	75 - 131	8336
Dibromomethane	mg/l	0.0500	0.0500	100	75 - 131	8337
Dibromomethane	mg/l	0.0500	0.0537	107	75 - 131	8337
1,2-Dichlorobenzene	mg/l	0.0500	0.0493	99	80 - 120	8336
1,2-Dichlorobenzene	mg/l	0.0500	0.0506	101	80 - 120	8337
1,2-Dichlorobenzene	mg/l	0.0500	0.0505	101	80 - 120	8337
1,3-Dichlorobenzene	mg/l	0.0500	0.0478	96	79 - 120	8336
1,3-Dichlorobenzene	mg/l	0.0500	0.0494	99	79 - 120	8337
1,3-Dichlorobenzene	mg/l	0.0500	0.0487	97	79 - 120	8337
1,4-Dichlorobenzene	mg/l	0.0500	0.0466	93	78 - 118	8336
1,4-Dichlorobenzene	mg/l	0.0500	0.0483	97	78 - 118	8337
1,4-Dichlorobenzene	mg/l	0.0500	0.0484	97	78 - 118	8337
Dichlorodifluoromethane	mg/l	0.0500	0.0414	83	45 - 149	8336
Dichlorodifluoromethane	mg/l	0.0500	0.0448	90	45 - 149	8337
Dichlorodifluoromethane	mg/l	0.0500	0.0484	97	45 - 149	8337
1,1-Dichloroethane	mg/l	0.0500	0.0449	90	73 - 128	8336
1,1-Dichloroethane	mg/l	0.0500	0.0485	97	73 - 128	8337
1,1-Dichloroethane	mg/l	0.0500	0.0515	103	73 - 128	8337
1,2-Dichloroethane	mg/l	0.0500	0.0490	98	71 - 135	8336
1,2-Dichloroethane	mg/l	0.0500	0.0524	105	71 - 135	8337
1,2-Dichloroethane	mg/l	0.0500	0.0542	108	71 - 135	8337
1,1-Dichloroethene	mg/l	0.0500	0.0444	89	72 - 128	8336
1,1-Dichloroethene	mg/l	0.0500	0.0511	102	72 - 128	8337
1,1-Dichloroethene	mg/l	0.0500	0.0508	102	72 - 128	8337
cis-1,2-Dichloroethene	mg/l	0.0500	0.0456	91	76 - 127	8336
cis-1,2-Dichloroethene	mg/l	0.0500	0.0486	97	76 - 127	8337
cis-1,2-Dichloroethene	mg/l	0.0500	0.0491	98	76 - 127	8337
cis-1,2-Dichloroethene	mg/l	0.0500	0.0477	95	76 - 127	9390

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
cis-1,2-Dichloroethene	mg/l	0.0500	0.0477	95	76 - 127	9439
trans-1,2-Dichloroethene	mg/l	0.0500	0.0446	89	71 - 131	8336
trans-1,2-Dichloroethene	mg/l	0.0500	0.0480	96	71 - 131	8337
trans-1,2-Dichloroethene	mg/l	0.0500	0.0500	100	71 - 131	8337
1,2-Dichloropropane	mg/l	0.0500	0.0474	95	75 - 127	8336
1,2-Dichloropropane	mg/l	0.0500	0.0514	103	75 - 127	8337
1,2-Dichloropropane	mg/l	0.0500	0.0527	105	75 - 127	8337
1,3-Dichloropropane	mg/l	0.0500	0.0507	101	81 - 128	8336
1,3-Dichloropropane	mg/l	0.0500	0.0505	101	81 - 128	8337
1,3-Dichloropropane	mg/l	0.0500	0.0525	105	81 - 128	8337
2,2-Dichloropropane	mg/l	0.0500	0.0406	81	45 - 145	8336
2,2-Dichloropropane	mg/l	0.0500	0.0301	60	45 - 145	8337
2,2-Dichloropropane	mg/l	0.0500	0.0397	79	45 - 145	8337
1,1-Dichloropropene	mg/l	0.0500	0.0448	90	76 - 127	8336
1,1-Dichloropropene	mg/l	0.0500	0.0498	100	76 - 127	8337
1,1-Dichloropropene	mg/l	0.0500	0.0492	98	76 - 127	8337
cis-1,3-Dichloropropene	mg/l	0.0500	0.0478	96	72 - 131	8336
cis-1,3-Dichloropropene	mg/l	0.0500	0.0438	88	72 - 131	8337
cis-1,3-Dichloropropene	mg/l	0.0500	0.0508	102	72 - 131	8337
trans-1,3-Dichloropropene	mg/l	0.0500	0.0511	102	69 - 131	8336
trans-1,3-Dichloropropene	mg/l	0.0500	0.0453	91	69 - 131	8337
trans-1,3-Dichloropropene	mg/l	0.0500	0.0526	105	69 - 131	8337
Ethylbenzene	mg/l	0.0500	0.0467	93	78 - 125	8336
Ethylbenzene	mg/l	0.0500	0.0498	100	78 - 125	8337
Ethylbenzene	mg/l	0.0500	0.0505	101	78 - 125	8337
Hexachlorobutadiene	mg/l	0.0500	0.0455	91	59 - 126	8336
Hexachlorobutadiene	mg/l	0.0500	0.0447	89	59 - 126	8337
Hexachlorobutadiene	mg/l	0.0500	0.0487	97	59 - 126	8337
2-Hexanone	mg/l	0.250	0.269	108	71 - 142	8336
2-Hexanone	mg/l	0.250	0.255	102	71 - 142	8337
2-Hexanone	mg/l	0.250	0.269	108	71 - 142	8337

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Isopropylbenzene	mg/l	0.0500	0.0493	99	78 - 123	8336
Isopropylbenzene	mg/l	0.0500	0.0523	105	78 - 123	8337
Isopropylbenzene	mg/l	0.0500	0.0522	104	78 - 123	8337
4-Isopropyltoluene	mg/l	0.0500	0.0473	95	73 - 125	8336
4-Isopropyltoluene	mg/l	0.0500	0.0485	97	73 - 125	8337
4-Isopropyltoluene	mg/l	0.0500	0.0495	99	73 - 125	8337
4-Methyl-2-pentanone	mg/l	0.250	0.260	104	71 - 141	8336
4-Methyl-2-pentanone	mg/l	0.250	0.255	102	71 - 141	8337
4-Methyl-2-pentanone	mg/l	0.250	0.269	108	71 - 141	8337
Methylene chloride	mg/l	0.0500	0.0439	88	70 - 140	8336
Methylene chloride	mg/l	0.0500	0.0454	91	70 - 140	8337
Methylene chloride	mg/l	0.0500	0.0495	99	70 - 140	8337
Naphthalene	mg/l	0.0500	0.0560	112	52 - 140	8336
Naphthalene	mg/l	0.0500	0.0510	102	52 - 140	8337
Naphthalene	mg/l	0.0500	0.0561	112	52 - 140	8337
n-Propylbenzene	mg/l	0.0500	0.0470	94	75 - 125	8336
n-Propylbenzene	mg/l	0.0500	0.0488	98	75 - 125	8337
n-Propylbenzene	mg/l	0.0500	0.0497	99	75 - 125	8337
Styrene	mg/l	0.0500	0.0505	101	82 - 122	8336
Styrene	mg/l	0.0500	0.0514	103	82 - 122	8337
Styrene	mg/l	0.0500	0.0526	105	82 - 122	8337
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0505	101	85 - 123	8336
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0528	106	85 - 123	8337
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0554	111	85 - 123	8337
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0487	97	74 - 133	8336
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0493	99	74 - 133	8337
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0499	100	74 - 133	8337
Tetrachloroethene	mg/l	0.0500	0.0468	94	76 - 123	8336
Tetrachloroethene	mg/l	0.0500	0.0487	97	76 - 123	8337
Tetrachloroethene	mg/l	0.0500	0.0500	100	76 - 123	8337
Toluene	mg/l	0.0500	0.0471	94	78 - 127	8336

Project QC continued . . .



PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Toluene	mg/l	0.0500	0.0505	101	78 - 127	8337
Toluene	mg/l	0.0500	0.0507	101	78 - 127	8337
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0545	109	59 - 132	8336
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0518	104	59 - 132	8337
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0541	108	59 - 132	8337
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0500	100	60 - 133	8336
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0496	99	60 - 133	8337
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0517	103	60 - 133	8337
1,1,1-Trichloroethane	mg/l	0.0500	0.0462	92	74 - 128	8336
1,1,1-Trichloroethane	mg/l	0.0500	0.0512	102	74 - 128	8337
1,1,1-Trichloroethane	mg/l	0.0500	0.0526	105	74 - 128	8337
1,1,2-Trichloroethane	mg/l	0.0500	0.0518	104	85 - 125	8336
1,1,2-Trichloroethane	mg/l	0.0500	0.0543	109	85 - 125	8337
1,1,2-Trichloroethane	mg/l	0.0500	0.0533	107	85 - 125	8337
Trichloroethene	mg/l	0.0500	0.0468	94	78 - 125	8336
Trichloroethene	mg/l	0.0500	0.0499	100	78 - 125	8337
Trichloroethene	mg/l	0.0500	0.0515	103	78 - 125	8337
Trichloroethene	mg/l	0.0500	0.0576	115	78 - 125	9390
Trichloroethene	mg/l	0.0500	0.0576	115	78 - 125	9394
Trichloroethene	mg/l	0.0500	0.0576	115	78 - 125	9439
Trichloroethene	mg/l	0.0500	0.0576	115	78 - 125	9441
1,2,3-Trichloropropane	mg/l	0.0500	0.0498	100	75 - 130	8336
1,2,3-Trichloropropane	mg/l	0.0500	0.0455	91	75 - 130	8337
1,2,3-Trichloropropane	mg/l	0.0500	0.0517	103	75 - 130	8337
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0460	92	77 - 122	8336
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0499	100	77 - 122	8337
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0510	102	77 - 122	8337
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0475	95	75 - 125	8336
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0502	100	75 - 125	8337
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0508	102	75 - 125	8337
Vinyl chloride	mg/l	0.0500	0.0431	86	61 - 140	8336

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Vinyl chloride	mg/l	0.0500	0.0455	91	61 - 140	8337
Vinyl chloride	mg/l	0.0500	0.0484	97	61 - 140	8337
Vinyl chloride	mg/l	0.0500	0.0442	88	61 - 140	9390
Xylenes (Total)	mg/l	0.150	0.148	99	77 - 126	8336
Xylenes (Total)	mg/l	0.150	0.155	103	77 - 126	8337
Xylenes (Total)	mg/l	0.150	0.157	105	77 - 126	8337
Bromodichloromethane	mg/l	0.0500	0.0482	96	79 - 126	8336
Bromodichloromethane	mg/l	0.0500	0.0511	102	79 - 126	8337
Bromodichloromethane	mg/l	0.0500	0.0524	105	79 - 126	8337
Trichlorofluoromethane	mg/l	0.0500	0.0467	93	60 - 140	8336
Trichlorofluoromethane	mg/l	0.0500	0.0512	102	60 - 140	8337
Trichlorofluoromethane	mg/l	0.0500	0.0508	102	60 - 140	8337
VOA Surr 1,2-DCA-d4	% Rec			99	73 - 133	8336
VOA Surr 1,2-DCA-d4	% Rec			100	73 - 133	8337
VOA Surr 1,2-DCA-d4	% Rec			102	73 - 133	8337
VOA Surr 1,2-DCA-d4	% Rec			99	73 - 133	9390
VOA Surr 1,2-DCA-d4	% Rec			99	73 - 133	9394
VOA Surr 1,2-DCA-d4	% Rec			99	73 - 133	9439
VOA Surr 1,2-DCA-d4	% Rec			99	73 - 133	9441
VOA Surr Toluene-d8	% Rec			100	80 - 121	8336
VOA Surr Toluene-d8	% Rec			101	80 - 121	8337
VOA Surr Toluene-d8	% Rec			102	80 - 121	8337
VOA Surr Toluene-d8	% Rec			103	80 - 121	9390
VOA Surr Toluene-d8	% Rec			103	80 - 121	9394
VOA Surr Toluene-d8	% Rec			103	80 - 121	9439
VOA Surr Toluene-d8	% Rec			103	80 - 121	9441
VOA Surr, 4-BFB	% Rec			94	80 - 128	8336
VOA Surr, 4-BFB	% Rec			95	80 - 128	8337
VOA Surr, 4-BFB	% Rec			96	80 - 128	8337
VOA Surr, 4-BFB	% Rec			101	80 - 128	9390
VOA Surr, 4-BFB	% Rec			101	80 - 128	9394

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA Surr, 4-BFB	% Rec			101	80 - 128	9439
VOA Surr, 4-BFB	% Rec			101	80 - 128	9441
VOA Surr, DBFM	% Rec			101	81 - 121	8336
VOA Surr, DBFM	% Rec			103	81 - 121	8337
VOA Surr, DBFM	% Rec			104	81 - 121	8337
VOA Surr, DBFM	% Rec			104	81 - 121	9390
VOA Surr, DBFM	% Rec			104	81 - 121	9394
VOA Surr, DBFM	% Rec			104	81 - 121	9439
VOA Surr, DBFM	% Rec			104	81 - 121	9441

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Acetone	< 0.00470	mg/l	8336	3/28/03	16:03
Acetone	< 0.00470	mg/l	8337	3/29/03	3:54
Acetone	< 0.00470	mg/l	8337	3/29/03	22:31
Benzene	< 0.0005	mg/l	8336	3/28/03	16:03
Benzene	< 0.0005	mg/l	8337	3/29/03	3:54
Benzene	< 0.0005	mg/l	8337	3/29/03	22:31
Bromobenzene	< 0.00030	mg/l	8336	3/28/03	16:03
Bromobenzene	< 0.00030	mg/l	8337	3/29/03	3:54
Bromobenzene	< 0.00030	mg/l	8337	3/29/03	22:31
Bromochloromethane	< 0.00030	mg/l	8336	3/28/03	16:03
Bromochloromethane	< 0.00030	mg/l	8337	3/29/03	3:54
Bromochloromethane	< 0.00030	mg/l	8337	3/29/03	22:31
Bromoform	< 0.00060	mg/l	8336	3/28/03	16:03
Bromoform	< 0.00060	mg/l	8337	3/29/03	3:54
Bromoform	< 0.00060	mg/l	8337	3/29/03	22:31

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Bromomethane	< 0.00060	mg/l	8336	3/28/03	16:03
Bromomethane	< 0.00060	mg/l	8337	3/29/03	3:54
Bromomethane	< 0.00060	mg/l	8337	3/29/03	22:31
2-Butanone	< 0.00310	mg/l	8336	3/28/03	16:03
2-Butanone	< 0.00310	mg/l	8337	3/29/03	3:54
2-Butanone	< 0.00310	mg/l	8337	3/29/03	22:31
n-Butylbenzene	< 0.00010	mg/l	8336	3/28/03	16:03
n-Butylbenzene	< 0.00010	mg/l	8337	3/29/03	3:54
n-Butylbenzene	< 0.00010	mg/l	8337	3/29/03	22:31
sec-Butylbenzene	< 0.00030	mg/l	8336	3/28/03	16:03
sec-Butylbenzene	< 0.00030	mg/l	8337	3/29/03	3:54
sec-Butylbenzene	< 0.00030	mg/l	8337	3/29/03	22:31
t-Butylbenzene	< 0.00030	mg/l	8336	3/28/03	16:03
t-Butylbenzene	< 0.00030	mg/l	8337	3/29/03	3:54
t-Butylbenzene	< 0.00030	mg/l	8337	3/29/03	22:31
Carbon disulfide	< 0.00020	mg/l	8336	3/28/03	16:03
Carbon disulfide	< 0.00020	mg/l	8337	3/29/03	3:54
Carbon disulfide	< 0.00020	mg/l	8337	3/29/03	22:31
Carbon tetrachloride	< 0.00040	mg/l	8336	3/28/03	16:03
Carbon tetrachloride	< 0.00040	mg/l	8337	3/29/03	3:54
Carbon tetrachloride	< 0.00040	mg/l	8337	3/29/03	22:31
Chlorobenzene	< 0.00020	mg/l	8336	3/28/03	16:03
Chlorobenzene	< 0.00020	mg/l	8337	3/29/03	3:54
Chlorobenzene	< 0.00020	mg/l	8337	3/29/03	22:31
Chloroethane	< 0.00100	mg/l	8336	3/28/03	16:03
Chloroethane	< 0.00100	mg/l	8337	3/29/03	3:54
Chloroethane	< 0.00100	mg/l	8337	3/29/03	22:31
Chloroform	< 0.00080	mg/l	8336	3/28/03	16:03
Chloroform	< 0.00080	mg/l	8337	3/29/03	3:54
Chloroform	< 0.00080	mg/l	8337	3/29/03	22:31
Chloromethane	< 0.00070	mg/l	8336	3/28/03	16:03

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Chloromethane	< 0.00070	mg/l	8337	3/29/03	3:54
Chloromethane	< 0.00070	mg/l	8337	3/29/03	22:31
2-Chlorotoluene	< 0.00040	mg/l	8336	3/28/03	16:03
2-Chlorotoluene	< 0.00040	mg/l	8337	3/29/03	3:54
2-Chlorotoluene	< 0.00040	mg/l	8337	3/29/03	22:31
4-Chlorotoluene	< 0.00050	mg/l	8336	3/28/03	16:03
4-Chlorotoluene	< 0.00050	mg/l	8337	3/29/03	3:54
4-Chlorotoluene	< 0.00050	mg/l	8337	3/29/03	22:31
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	8336	3/28/03	16:03
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	8337	3/29/03	3:54
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	8337	3/29/03	22:31
Dibromochloromethane	< 0.00050	mg/l	8336	3/28/03	16:03
Dibromochloromethane	< 0.00050	mg/l	8337	3/29/03	3:54
Dibromochloromethane	< 0.00050	mg/l	8337	3/29/03	22:31
1,2-Dibromoethane	< 0.00040	mg/l	8336	3/28/03	16:03
1,2-Dibromoethane	< 0.00040	mg/l	8337	3/29/03	3:54
1,2-Dibromoethane	< 0.00040	mg/l	8337	3/29/03	22:31
Dibromomethane	< 0.00090	mg/l	8336	3/28/03	16:03
Dibromomethane	< 0.00090	mg/l	8337	3/29/03	3:54
Dibromomethane	< 0.00090	mg/l	8337	3/29/03	22:31
1,2-Dichlorobenzene	< 0.00020	mg/l	8336	3/28/03	16:03
1,2-Dichlorobenzene	< 0.00020	mg/l	8337	3/29/03	3:54
1,2-Dichlorobenzene	< 0.00020	mg/l	8337	3/29/03	22:31
1,3-Dichlorobenzene	< 0.00030	mg/l	8336	3/28/03	16:03
1,3-Dichlorobenzene	< 0.00030	mg/l	8337	3/29/03	3:54
1,3-Dichlorobenzene	< 0.00030	mg/l	8337	3/29/03	22:31
1,4-Dichlorobenzene	< 0.00040	mg/l	8336	3/28/03	16:03
1,4-Dichlorobenzene	< 0.00040	mg/l	8337	3/29/03	3:54
1,4-Dichlorobenzene	< 0.00040	mg/l	8337	3/29/03	22:31
Dichlorodifluoromethane	< 0.00050	mg/l	8336	3/28/03	16:03
Dichlorodifluoromethane	< 0.00050	mg/l	8337	3/29/03	3:54

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
Dichlorodifluoromethane	< 0.00050	mg/l	8337	3/29/03	22:31
1,1-Dichloroethane	< 0.00020	mg/l	8336	3/28/03	16:03
1,1-Dichloroethane	< 0.00020	mg/l	8337	3/29/03	3:54
1,1-Dichloroethane	< 0.00020	mg/l	8337	3/29/03	22:31
1,2-Dichloroethane	< 0.00060	mg/l	8336	3/28/03	16:03
1,2-Dichloroethane	< 0.00060	mg/l	8337	3/29/03	3:54
1,2-Dichloroethane	< 0.00060	mg/l	8337	3/29/03	22:31
1,1-Dichloroethene	< 0.00060	mg/l	8336	3/28/03	16:03
1,1-Dichloroethene	< 0.00060	mg/l	8337	3/29/03	3:54
1,1-Dichloroethene	< 0.00060	mg/l	8337	3/29/03	22:31
cis-1,2-Dichloroethene	< 0.00060	mg/l	8336	3/28/03	16:03
cis-1,2-Dichloroethene	< 0.00060	mg/l	8337	3/29/03	3:54
cis-1,2-Dichloroethene	< 0.00060	mg/l	8337	3/29/03	22:31
cis-1,2-Dichloroethene	< 0.00060	mg/l	9390	3/29/03	22:31
cis-1,2-Dichloroethene	< 0.00060	mg/l	9439	3/30/03	10:21
trans-1,2-Dichloroethene	< 0.00050	mg/l	8336	3/28/03	16:03
trans-1,2-Dichloroethene	< 0.00050	mg/l	8337	3/29/03	3:54
trans-1,2-Dichloroethene	< 0.00050	mg/l	8337	3/29/03	22:31
1,2-Dichloropropane	< 0.00040	mg/l	8336	3/28/03	16:03
1,2-Dichloropropane	< 0.00040	mg/l	8337	3/29/03	3:54
1,2-Dichloropropane	< 0.00040	mg/l	8337	3/29/03	22:31
1,3-Dichloropropane	< 0.00040	mg/l	8336	3/28/03	16:03
1,3-Dichloropropane	< 0.00040	mg/l	8337	3/29/03	3:54
1,3-Dichloropropane	< 0.00040	mg/l	8337	3/29/03	22:31
2,2-Dichloropropane	< 0.00040	mg/l	8336	3/28/03	16:03
2,2-Dichloropropane	< 0.00040	mg/l	8337	3/29/03	3:54
2,2-Dichloropropane	< 0.00040	mg/l	8337	3/29/03	22:31
1,1-Dichloropropene	< 0.00050	mg/l	8336	3/28/03	16:03
1,1-Dichloropropene	< 0.00050	mg/l	8337	3/29/03	3:54
1,1-Dichloropropene	< 0.00050	mg/l	8337	3/29/03	22:31
cis-1,3-Dichloropropene	< 0.00030	mg/l	8336	3/28/03	16:03

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
cis-1,3-Dichloropropene	< 0.00030	mg/l	8337	3/29/03	3:54
cis-1,3-Dichloropropene	< 0.00030	mg/l	8337	3/29/03	22:31
trans-1,3-Dichloropropene	< 0.00050	mg/l	8336	3/28/03	16:03
trans-1,3-Dichloropropene	< 0.00050	mg/l	8337	3/29/03	3:54
trans-1,3-Dichloropropene	< 0.00050	mg/l	8337	3/29/03	22:31
Ethylbenzene	< 0.0003	mg/l	8336	3/28/03	16:03
Ethylbenzene	< 0.0003	mg/l	8337	3/29/03	3:54
Ethylbenzene	< 0.0003	mg/l	8337	3/29/03	22:31
Hexachlorobutadiene	< 0.00080	mg/l	8336	3/28/03	16:03
Hexachlorobutadiene	< 0.00080	mg/l	8337	3/29/03	3:54
Hexachlorobutadiene	< 0.00080	mg/l	8337	3/29/03	22:31
2-Hexanone	< 0.00420	mg/l	8336	3/28/03	16:03
2-Hexanone	< 0.00420	mg/l	8337	3/29/03	3:54
2-Hexanone	< 0.00420	mg/l	8337	3/29/03	22:31
Isopropylbenzene	< 0.00040	mg/l	8336	3/28/03	16:03
Isopropylbenzene	< 0.00040	mg/l	8337	3/29/03	3:54
Isopropylbenzene	< 0.00040	mg/l	8337	3/29/03	22:31
4-Isopropyltoluene	< 0.00060	mg/l	8336	3/28/03	16:03
4-Isopropyltoluene	< 0.00060	mg/l	8337	3/29/03	3:54
4-Isopropyltoluene	< 0.00060	mg/l	8337	3/29/03	22:31
4-Methyl-2-pentanone	< 0.00490	mg/l	8336	3/28/03	16:03
4-Methyl-2-pentanone	< 0.00490	mg/l	8337	3/29/03	3:54
4-Methyl-2-pentanone	< 0.00490	mg/l	8337	3/29/03	22:31
Methylene chloride	< 0.00240	mg/l	8336	3/28/03	16:03
Methylene chloride	< 0.00240	mg/l	8337	3/29/03	3:54
Methylene chloride	< 0.00240	mg/l	8337	3/29/03	22:31
Naphthalene	< 0.00120	mg/l	8336	3/28/03	16:03
Naphthalene	< 0.00120	mg/l	8337	3/29/03	3:54
Naphthalene	< 0.00120	mg/l	8337	3/29/03	22:31
n-Propylbenzene	< 0.00030	mg/l	8336	3/28/03	16:03
n-Propylbenzene	< 0.00030	mg/l	8337	3/29/03	3:54

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
n-Propylbenzene	< 0.00030	mg/l	8337	3/29/03	22:31
Styrene	< 0.00040	mg/l	8336	3/28/03	16:03
Styrene	< 0.00040	mg/l	8337	3/29/03	3:54
Styrene	< 0.00040	mg/l	8337	3/29/03	22:31
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	8336	3/28/03	16:03
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	8337	3/29/03	3:54
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	8337	3/29/03	22:31
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	8336	3/28/03	16:03
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	8337	3/29/03	3:54
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	8337	3/29/03	22:31
Tetrachloroethene	< 0.00040	mg/l	8336	3/28/03	16:03
Tetrachloroethene	< 0.00040	mg/l	8337	3/29/03	3:54
Tetrachloroethene	< 0.00040	mg/l	8337	3/29/03	22:31
Toluene	< 0.0006	mg/l	8336	3/28/03	16:03
Toluene	< 0.0006	mg/l	8337	3/29/03	3:54
Toluene	< 0.0006	mg/l	8337	3/29/03	22:31
1,2,3-Trichlorobenzene	< 0.00100	mg/l	8336	3/28/03	16:03
1,2,3-Trichlorobenzene	< 0.00100	mg/l	8337	3/29/03	3:54
1,2,3-Trichlorobenzene	< 0.00100	mg/l	8337	3/29/03	22:31
1,2,4-Trichlorobenzene	< 0.00060	mg/l	8336	3/28/03	16:03
1,2,4-Trichlorobenzene	< 0.00060	mg/l	8337	3/29/03	3:54
1,2,4-Trichlorobenzene	< 0.00060	mg/l	8337	3/29/03	22:31
1,1,1-Trichloroethane	< 0.00070	mg/l	8336	3/28/03	16:03
1,1,1-Trichloroethane	< 0.00070	mg/l	8337	3/29/03	3:54
1,1,1-Trichloroethane	< 0.00070	mg/l	8337	3/29/03	22:31
1,1,2-Trichloroethane	< 0.00040	mg/l	8336	3/28/03	16:03
1,1,2-Trichloroethane	< 0.00040	mg/l	8337	3/29/03	3:54
1,1,2-Trichloroethane	< 0.00040	mg/l	8337	3/29/03	22:31
Trichloroethene	< 0.00040	mg/l	8336	3/28/03	16:03
Trichloroethene	< 0.00040	mg/l	8337	3/29/03	3:54
Trichloroethene	< 0.00040	mg/l	8337	3/29/03	22:31

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Trichloroethene	< 0.00040	mg/l	9390	3/29/03	22:31
Trichloroethene	< 0.00040	mg/l	9394	3/29/03	22:31
Trichloroethene	< 0.00040	mg/l	9439	3/30/03	10:21
Trichloroethene	< 0.00040	mg/l	9441	3/30/03	10:21
1,2,3-Trichloropropane	< 0.00060	mg/l	8336	3/28/03	16:03
1,2,3-Trichloropropane	< 0.00060	mg/l	8337	3/29/03	3:54
1,2,3-Trichloropropane	< 0.00060	mg/l	8337	3/29/03	22:31
1,2,4-Trimethylbenzene	< 0.0003	mg/l	8336	3/28/03	16:03
1,2,4-Trimethylbenzene	< 0.0003	mg/l	8337	3/29/03	3:54
1,2,4-Trimethylbenzene	< 0.0003	mg/l	8337	3/29/03	22:31
1,3,5-Trimethylbenzene	< 0.00100	mg/l	8336	3/28/03	16:03
1,3,5-Trimethylbenzene	< 0.00100	mg/l	8337	3/29/03	3:54
1,3,5-Trimethylbenzene	< 0.00100	mg/l	8337	3/29/03	22:31
Vinyl chloride	< 0.00050	mg/l	8336	3/28/03	16:03
Vinyl chloride	< 0.00050	mg/l	8337	3/29/03	3:54
Vinyl chloride	< 0.00050	mg/l	8337	3/29/03	22:31
Vinyl chloride	< 0.00050	mg/l	9390	3/29/03	22:31
Xylenes (Total)	< 0.0009	mg/l	8336	3/28/03	16:03
Xylenes (Total)	< 0.0009	mg/l	8337	3/29/03	3:54
Xylenes (Total)	< 0.0009	mg/l	8337	3/29/03	22:31
Bromodichloromethane	< 0.00030	mg/l	8336	3/28/03	16:03
Bromodichloromethane	< 0.00030	mg/l	8337	3/29/03	3:54
Bromodichloromethane	< 0.00030	mg/l	8337	3/29/03	22:31
Trichlorofluoromethane	< 0.00040	mg/l	8336	3/28/03	16:03
Trichlorofluoromethane	< 0.00040	mg/l	8337	3/29/03	3:54
Trichlorofluoromethane	< 0.00040	mg/l	8337	3/29/03	22:31

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

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Laboratory Receipt Date: 3/25/03

VOA Surr 1,2-DCA-d4	96.	% Rec	9394	3/27/03	14:42
VOA Surr 1,2-DCA-d4	102.	% Rec	8336	3/28/03	16:03
VOA Surr 1,2-DCA-d4	103.	% Rec	8337	3/29/03	3:54
VOA Surr 1,2-DCA-d4	102.	% Rec	8337	3/29/03	22:31
VOA Surr 1,2-DCA-d4	102.	% Rec	9390	3/29/03	22:31
VOA Surr 1,2-DCA-d4	102.	% Rec	9394	3/29/03	22:31
VOA Surr 1,2-DCA-d4	98.	% Rec	9439	3/30/03	10:21
VOA Surr 1,2-DCA-d4	98.	% Rec	9441	3/30/03	10:21
VOA Surr Toluene-d8	95.	% Rec	9394	3/27/03	14:42
VOA Surr Toluene-d8	101.	% Rec	8336	3/28/03	16:03
VOA Surr Toluene-d8	100.	% Rec	8337	3/29/03	3:54
VOA Surr Toluene-d8	101.	% Rec	8337	3/29/03	22:31
VOA Surr Toluene-d8	101.	% Rec	9390	3/29/03	22:31
VOA Surr Toluene-d8	101.	% Rec	9394	3/29/03	22:31
VOA Surr Toluene-d8	101.	% Rec	9394	3/29/03	22:31
VOA Surr Toluene-d8	103.	% Rec	9439	3/30/03	10:21
VOA Surr Toluene-d8	103.	% Rec	9441	3/30/03	10:21
VOA Surr, 4-BFB	92.	% Rec	9394	3/27/03	14:42
VOA Surr, 4-BFB	96.	% Rec	8336	3/28/03	16:03
VOA Surr, 4-BFB	95.	% Rec	8337	3/29/03	3:54
VOA Surr, 4-BFB	97.	% Rec	8337	3/29/03	22:31
VOA Surr, 4-BFB	97.	% Rec	9390	3/29/03	22:31
VOA Surr, 4-BFB	97.	% Rec	9394	3/29/03	22:31
VOA Surr, 4-BFB	101.	% Rec	9439	3/30/03	10:21
VOA Surr, 4-BFB	101.	% Rec	9441	3/30/03	10:21
VOA Surr, DBFM	102.	% Rec	8336	3/28/03	16:03
VOA Surr, DBFM	102.	% Rec	8337	3/29/03	3:54
VOA Surr, DBFM	104.	% Rec	8337	3/29/03	22:31
VOA Surr, DBFM	104.	% Rec	9390	3/29/03	22:31
VOA Surr, DBFM	104.	% Rec	9394	3/29/03	22:31
VOA Surr, DBFM	100.	% Rec	9439	3/30/03	10:21
VOA Surr, DBFM	100.	% Rec	9441	3/30/03	10:21

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.9

Project Name: FORMER TAYLOR INSTRUMENT

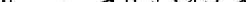
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Laboratory Receipt Date: 3/25/03

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 325075

Compliance Monitoring

Sampler Signature: 

Quote #: 121102-217-199 PO#: MEC03030015

TAT ☒ Standard ☐ Rush (surcharges may apply)		Date Needed: _____		Fax Results: Y <u>N</u>		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								Analyze For:												QC Deliverables None ☒ Level 2 (Batch QC) ☐ Level 3 ☐ Level 4 Other: _____		REMARKS				
												HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)																					
BR-12						3/22/03	858	G			GW	3								3										03A	44166								
BR-12(MS)						3/22/03	901	G			GW	3							3														matrix spike						
BR-12(MSD)						3/22/03	901	G			GW	3							3														matrix spike dup						
BR-13						3/22/03	953	G			GW	3							3																				
W-6						3/22/03	1010	G			GW	3							3																				
BR-15						3/22/03	1137	G			GW	3							3																				
BR-16						3/22/03	1440	G			GW	3							3																				
OB-04						3/22/03	1537	G			GW	3							3																				
BR-04						3/23/03	856	G			GW	3							3																				
BR-05						3/23/03	950	G			GW	3							3																				
Special Instructions:																												LABORATORY COMMENTS:											
Init Lab Temp:																																							
Rec Lab Temp: 2.5c																																							
Relinquished By: <u>[Signature]</u>														Date: 3/24/03				Time: 1600				Received By:				Date:				Time:									
Relinquished By:														Date:				Time:				Received By:				Date:				Time:									
Relinquished By:														Date:				Time:				Received By: <u>[Signature]</u>				Date: 3/25/03				Time: 0800									
Custody Seals: Y <u>N</u> N/A Bottles Supplied by Test America: Y N Method of Shipment:																																							

PO#: MEC03030015

[illegible]

APPENDIX C

CHAIN-OF-CUSTODY FORMS

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

324285

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								Analyze For:										REMARKS		
						HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	VOCs (8260)	Chloride (325.1)	alkalinity (310.1)	Carbon dioxide (4500B)	nitrate (353.2)	Sulfate (375.4)	Sulfide (376.1)	Methane/Ethane/Ethene (8015M)	TOC (410.1)	Fe (11) (6010 Fe)				
QATB01	3/18/03	000	G		GN																				trip blank	
QAPB01	3/18/03	1042	G		GN		3																			field blank
QAPB01	3/18/03	1052	G		GN		3																			rinse blank
W-2	3/18/03	1153	G		GN		2				3															
TW-04	3/18/03	1450	G		GN		9	1			6															
TW-17	3/18/03	1553	G		GN		9	1			6															

Special Instructions:

LABORATORY COMMENTS:

Init Lab Temp:

Rec Lab Temp: 1°C

Custody Seals: Y (N) N/A

Bottles Supplied by Test America: Y N

Method of Shipment: Fax COC to

Relinquished By: Janna Peevler Date: 3/18/03 Time: 1700

Relinquished By: _____ Date: _____ Time: _____

Relinquished By: _____ Date: _____ Time: _____

Received By: _____ Date: _____ Time: _____

Received By: _____ Date: _____ Time: _____

Received By: Mike B Date: 3-19-03 Time: 0830

324484

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 Peever
Sampler Signature: Janna Peever

Project Name: Former Taylor Instruments
Project #: 51870.9
Site/Location ID: Rochester State: NY
Report To: Rick Ryan Janna Peever
Invoice To: Rick Ryan
Quote #: 121102-217-199 PO#: MEC 03030015

TAT ☒ Standard ☐ Rush (surcharges may apply)	Date Needed:	Fax Results: Y <u>(N)</u>	SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix Preservation & # of Containers										Analyze For:										REMARKS			
								SL - Sludge	DW - Drinking Water	GW - Groundwater	S - Soil/Solid	WW - Wastewater	Specify Other	HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	Vocs (8260)	Chloride (325.1)	Alkalinity (310.1)	Carbon dioxide (450.1)	Nitrate (333.2)	Sulfate (375.4)	Sulfide (376.1)	Methane/Ethane (8015M)	TOC (415.1)	Fe(II) (6010E)	
			TW-20	3/19/03	854	G		GW						9	1				6		3	1	1	2	1	1	1	3	2	1	41160
			TW-07	3/19/03	1035	G		GW						9	1				6		3	1	1	2	1	1	1	3	2	1	161
			TW-09	3/19/03	1256	G		GW						9	1				6		3	1	1	2	1	1	1	3	2	1	162
			OB-09	3/19/03	1425	G		GW						9	1				6		3	1	1	2	1	1	1	3	2	1	163
			OB-07	3/19/03	1558	G		GW						9	1				6		3	1	1	2	1	1	1	3	2	1	164
			OB-07 (MS)	3/19/03	1619	G		GW						3							3										
			OB-07 (MSD)	3/19/03	1619	G		GW						3							3										

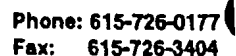
Special Instructions:

LABORATORY COMMENTS:

Relinquished By: <u>Janna Peever</u>	Date: <u>3/19/03</u>	Time: <u>1700</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <u>CRT</u>	Date: <u>3/20/03</u>	Time: <u>8:10</u>

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

Knoxville Office
(615) 893-0723



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

Sampler Signature: 

Quote #: 121102-217-199 PO#: MEC.03030015

TAT * Su RL		324627		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	Analyze For:	QC Deliverables None * Level 2 (Batch QC) Level 3 Level 4 Other:	REMARKS
W-5	41824	3/20/03	850	G				GW										
W-5 (dup)	25	3/20/03	914	G				GW										
OB-06	26	3/20/03	1054	G				GW										
BE-08	27	3/20/03	1152	G				GW										
BE-17	41828	3/20/03	1335	G				GW										
Special Instructions:																		
LABORATORY COMMENTS:																		
Init Lab Temp: 1.4																		
Rec Lab Temp:																		
Custody Seals: Y N N/A																		
Bottles Supplied by Test America: Y N																		
Method of Shipment: Knoxville Office																		

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

Quote #: 121102-217-199 PO#: MEC03030015

Page 1 (000) 483-4720

INCORPORATED

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

Client #: 4597

Address: 1431 Center Point Blvd Suite 150

City/State/Zip Code: Knoxville TN 37932

Project Manager: Rick Ryan

Telephone Number: 865.531.1922 Fax: 865.531.8224

Sampler Name: (Print Name) Lanna 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#: MEC0303001E

TAT ☒ 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										Analyze For:										QC Deliverables None ☒ Level 2 (Batch QC) ☐ Level 3 ☐ Level 4 Other: _____		REMARKS		
												HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)																			
BR-12						3/22/03	858	G				GW	3							3										03A	44166						
BR-12(MS)						3/22/03	901	G				GW	3						3														matrix spike				
BR-13(MSD)						3/22/03	901	G				GW	3						3														matrix spike dup				
BR-13						3/22/03	953	G				GW	3						3																		
W-6						3/22/03	1010	G				GW	3						3																		
BR-15						3/22/03	1137	G				GW	3						3																		
BR-14						3/22/03	1440	G				GW	3						3																		
OB-04						3/22/03	1587	G				GW	3						3																		
BR-04						3/23/03	856	G				GW	3						3																		
BR-05						3/23/03	950	G				GW	3						3																		
Special Instructions:																												LABORATORY COMMENTS: Init Lab Temp: Rec Lab Temp: 2.5c Custody Seals: Y ☒ N N/A Bottles Supplied by Test America: Y N Method of Shipment: Fax COC to									
Relinquished By: <i>[Signature]</i>						Date: 3/24/03		Time: 1600		Received By:						Date:		Time:																			
Relinquished By:						Date:		Time:		Received By:						Date:		Time:																			
Relinquished By:						Date:		Time:		Received By: <i>[Signature]</i>						Date: 3/25/03		Time: 0800																			

Fax # 800 368-6929

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

Client Name: Martel 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) Lanna Peewler

Sampler Signature: 

Project Name: Former Taylor Instruments

Project #: 51870.91

Site/Location ID: Rochester State: NY

Report To: Rick Ryan, Janna Peever

Invoice To: Rock Ryan

Quote #: 121102-217-199 PO#: MEC03030014

[illegible]

Knoxville Office
Fax # (865) 693-4723

APPENDIX D

FIELD DATA RECORDS

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER	51870.9
------------	---------

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

☐ TEFLON

☐ OTHER _____

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 3/18/03

SITE TYPE	Monitor Well
-----------	--------------

JOB NUMBER	51870.9
------------	---------

MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)	FT.
---	-----

PROTECTIVE CASING / WELL DIFFERENCE	
---	--

WELL DEPTH	
	FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER	IN
------------------	----

SCREEN LENGTH	
---------------	--

PID WELL	PPM
MOUTH	

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

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))

BEGIN PURGING	
------------------	--

END
PURGING

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

[illegible]

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 as 0:00

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 3/21/03

SITE TYPE	Monitor Well
-----------	--------------

JOB NUMBER	51870.9
------------	---------

MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)	FEET
---	------

PROTECTIVE CASING / WELL DIFFERENCE	
---	--

WELL DIAMETER	IN
------------------	----

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

PRODUCT THICKNESS FT

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

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

[illegible]

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON

☐ OTHER _____

NOTES

SIGNATURE: _____

NAME: Jenna Leal

trip blank time listed
at 0:00

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 3/21/03

SITE TYPE	Monitor Well
-----------	--------------

JOB NUMBER 51870.9

MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)		FT
---	--	----

PROTECTIVE CASING / WELL DIFFERENCE		FT
---	--	----

WELL
DIAMETER IN

WELL		YES	NO	N/A
INTEGRITY:	CAP			

CASING	_____	_____	_____
LOCKED	_____	_____	_____
COLLAR	_____	_____	_____

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

[illegible]TYPE OF PUMPTYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON

☐ OTHER _____

NOTES

SIGNATURE: _____

SIGNATURE: John A. Leeder

field blank collected
at 1016

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 51870.9

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 3/18/03

SITE TYPE	Monitor Well
-----------	--------------

JOB NUMBER	51870.9
------------	---------

MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)	FE
---	----

PROTECTIVE CASING / WELL DIFFERENCE	
---	--

WELL DIAMETER 2 IN

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

PRODUCT THICKNESS FT

TOTAL VOL. PURGED 0.86 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

Horiba downwell

[illegible]

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON

☐ OTHER _____

PURGE OBSERVATIONS

NOTES

1134 DTW = 7.61
1142 DTW = 7.76
1148 DTW = 7.86
1153 DTW = 7.97

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 3/20/02

SITE TYPE	Monitor Well
-----------	--------------

JOB NUMBER	51870.9
------------	---------

MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)	FT
---	----

PROTECTIVE CASING / WELL DIFFERENCE	
---	--

PID	PPM
AMBIENT AIR	

WELL DIAMETER 2 IN

PID WELL	
MOUTH	PPM

WELL		YES	NO	N/A
INTEGRITY:	CAP	☒	☐	☐

PRODUCT THICKNESS FT

CASING	$\frac{\Delta}{X}$	—	—
LOCKED	$\frac{X}{X}$	—	—
COLLAR	$\frac{X}{X}$	—	—

$$((\text{initial} - \text{final}) \times 0.16 \text{ (2-inch)} \text{ or } \times 0.65 \text{ (4-inch)} \text{ or } \times 1.5 \text{ (6-inch)})$$

END
PURGING

TOTAL VOL. PURGED 1.28 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

Horiba downwell

[illegible]

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

826 DTW = 7.12
833 DTW = 7.45
841 DTW = 7.66
848 DTW = 7.82

SIGNATURE: _____

RE: Johna Lealer

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 51870.9

TOTAL VOL. PURGED 0.77 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

[illegible]☐ TEFLON
☐ OTHER _____

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER	51870.9
------------	---------

TOTAL VOL. PURGED 0.73 GAL
(purge rate (L/min) x duration (min)) x 0.26 gal/L

[illegible]

NOTES

1031 DTW = 8.27
1039 DTW = 8.37
1045 DTW = 8.46
1052 DTW = 8.57

SIGNATURE _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 51870.9

TOTAL VOL. PURGED 0.75 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

☐ TEFLON

☐ OTHER

GW_Sample_Form.xls

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2003 1st Qtr Sampling Event

DATE 3/19/03

SITE ID OB-09

SITE TYPE Monitor Well

SITE ACTIVITY START 1348 END 1459

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 9.51 FT

WELL DEPTH 23.25 FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 10.10 FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

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

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))

PURGE RATE 0.08 L/MIN

BEGIN PURGING 1352

END PURGING 1450

TOTAL VOL. PURGED 1.26 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
1403	0.92	7.31	0.90	11.1	0.07	11.48	49	~83 mL/min
1410	1.49	7.32	0.91	11.7	0.20	11.47	35	~82 mL/min
1416	1.99	7.29	0.91	11.1	1.20	11.77	28	~83 mL/min
1423	2.60	7.29	0.91	10.0	0.68	11.63	24	~87 mL/min
1425	collect samples for 8260 & bioparameters							

EQUIPMENT DOCUMENTATION

TYPE OF PUMP

☒ PERISTALTIC
☐ SUBMERSIBLE
☐ OTHER _____

TYPE OF TUBING

☐ TEFLON OR TEFLON LINED
☒ HIGH DENSITY POLYETHYLENE
☐ OTHER _____

TYPE OF PUMP MATERIAL

☐ POLYVINYL CHLORIDE
☐ STAINLESS STEEL
☐ OTHER _____

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON
☐ OTHER _____

PURGE OBSERVATIONS

NOTES

1404 DTW = 10.08
1410 DTW = 10.11
1416 DTW = 10.14
1423 DTW = 10.17

SIGNATURE

John Lee

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER	51870.9
------------	---------

TOTAL VOL. PURGED 0.75 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

[illegible]

☐ TEFLON

☐ OTHER

1100 DTW = 17.67
1107 DTW = 17.68
1113 DTW = 17.67
1120 DTW = 17.67

GW_Sample_Form.xls

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER	51870.9
------------	---------

TOTAL VOL. PURGED 0.74 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 51870.9

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

TOTAL VOL. PURGED 0.73 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

GW_Sample_Form.xls

SIGNATURE: Jimma Leeder

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2003 1st Qtr Sampling Event

DATE 3/23/03

SITE ID BR-05

SITE TYPE Monitor Well

SITE ACTIVITY START 906 END 1000

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 20.42 FT

WELL DEPTH 50.15 FT

PID AMBIENT AIR PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 20.50 FT

SCREEN LENGTH FT

PID WELL MOUTH PPM

WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN 0.08 FT

DRAWDOWN VOLUME 0.05 GAL

PRODUCT THICKNESS FT

CASING LOCKED YES NO N/A

COLLAR YES NO N/A

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

PURGE RATE 0.07 L/MIN

BEGIN PURGING 911

END PURGING 954

TOTAL VOL. PURGED 0.81 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
925	1.00	7.21	1.21	20.6	1.87	0.08	11.68	-78 ≈ 71 ml/min
933	1.54	7.21	1.25	21.7	1.35	0.07	11.69	-83 ≈ 71 ml/min
941	2.12	7.21	1.26	23.4	1.54	0.06	11.88	-89 ≈ 69 ml/min
948	2.66	7.21	1.27	24.0	1.52	0.05	11.95	-92 ≈ 77 ml/min
250	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

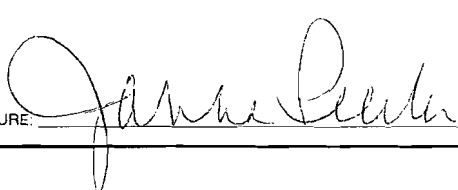
TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON
☐ OTHER

PURGE OBSERVATIONS

NOTES

925 DTW = 20.50
933 DTW = 20.50
941 DTW = 20.50
948 DTW = 20.50

SIGNATURE: 

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER	51870.9
------------	---------

[illegible]

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

NOTES

1134 DTW = 22.17
1139 DTW = 22.37
1144 DTW = 22.57
1150 DTW = 22.77

SIGNATURE _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 51870.9

TOTAL VOL. PURGED 0.81 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

[illegible]

PURGE OBSERVATIONS

NOTES

1023

$$DTW = 21.62$$
$$1040 \text{ DTU} = 21.02$$
$$1048 \text{ D7W} = 21.02$$

1055 DTW = 21.02

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 3/22/03

SITE TYPE	Monitor Well
-----------	--------------

JOB NUMBER	51870.9
------------	---------

MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)	FT.
---	-----

PROTECTIVE CASING / WELL DIFFERENCE	
---	--

WELL DEPTH 50.25 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER 6 IN

SCREEN LENGTH FT

PID WELL	
MOUTH	PPM

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

RAWDOWN VOLUME — GAL

PRODUCT THICKNESS		FT
-------------------	--	----

$$((\text{initial} - \text{final}) \times 0.16 \text{ (2-inch)} \text{ or } \times 0.65 \text{ (4-inch)} \text{ or } \times 1.5 \text{ (6-inch)})$$

BEGIN
PURGING

END
PURGING

TOTAL VOL. PURGED 0.77 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Herba deronivell

[illegible]

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

1414 DTW = 20.52
1422 DTW = 20.53
1430 DTW = 20.53
1440 DTW = 20.53

SIGNATURE _____

RE Janna Reiter

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2003 1st Qtr Sampling Event

SITE ID BIR-11

SITE ACTIVITY START 935 END 1022

DATE 3/24/03

SITE TYPE Monitor Well

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 20.95 FT

WELL DEPTH 57.50 FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 20.97 FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN 0.02 FT

DRAWDOWN VOLUME 0.03 GAL

PRODUCT THICKNESS _____ FT

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

PURGE RATE 0.09 L/MIN

BEGIN PURGING 940

END PURGING 1016

TOTAL VOL. PURGED 0.81 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	
952	1.00	7.28	1.60	14.0	0.00	0.07	12.64	-70	~83 mL/min
959	1.61	7.28	1.61	15.9	0.00	0.14	12.71	-74	~87 mL/min
1005	2.13	7.28	1.60	16.4	0.00	0.18	12.71	-77	~87 mL/min
1012	2.74	7.28	1.62	18.3	0.00	0.09	12.61	-80	~87 mL/min
1014	collect samples for 82610								

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

952 DTW = 20.97
 959 DTW = 20.98
 1005 DTW = 20.98
 1012 DTW = 20.99

SIGNATURE: Jane Lee

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 3 22 03

SITE TYPE	Monitor Well
-----------	--------------

JOB NUMBER	51870.9
------------	---------

MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)	FT
---	----

PROTECTIVE CASING / WELL DIFFERENCE	FT

WELL DEPTH 44.45 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER		IN
------------------	--	----

SCREEN LENGTH	FT
---------------	----

PID WELL	
MOUTH	PPM

WELL		YES	NO	N/A
INTEGRITY:	CAP			

DRAWDOWN VOLUME	0.75	GAL
--------------------	------	-----

PRODUCT THICKNESS FT

CASING	—	—	—
LOCKED	—	—	—
COLLAR	—	—	—

$$((\text{initial} - \text{final}) \times 0.16 \text{ (2-inch)} \text{ or } \times 0.65 \text{ (4-inch)} \text{ or } \times 1.5 \text{ (6-inch)})$$

BEGIN
PURGING

END
PURGING

TOTAL VOL. PURGED 0.89 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

Horiba downwell

[illegible]

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON
☐ OTHER

PURGE OBSERVATIONS

NOTES

832 DTW = 17.58
840 DTW = 17.66
848 DTW = 17.73
856 DTW = 17.81

SIGNATURE

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 3/21/03

SITE TYPE	Monitor Well
-----------	--------------

JOB NUMBER 51870.9

MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)	FT
---	----

PROTECTIVE CASING / WELL DIFFERENCE	
---	--

PID	PPM
AMBIENT AIR	

WELL DIAMETER	IN
------------------	----

PID WELL	
MOUTH	PPM

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

DRAWDOWN VOLUME	0.65	GAL
--------------------	------	-----

PRODUCT THICKNESS		FT
-------------------	--	----

$$((\text{initial} - \text{final}) \times 0.16 \text{ (2-inch)} \text{ or } \times 0.65 \text{ (4-inch)} \text{ or } \times 1.5 \text{ (6-inch)})$$

BEGIN
PURGING

END
PURGING

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

PURGE DATA

Horiba downwell

[illegible]

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

D.O not fully submerged during 1st reading - should disregard

NOTES

925 DTW = 18.84
932 DTW = 19.02
939 DTW = 19.22
947 DTW = 19.41

SIGNATURE

Anna Leeder

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 51870.9

TOTAL VOL. PURGED 1.32 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER	51870.9
------------	---------

(purge rate (L/min) x duration (min) x 0,26 g/L)

☐ TEFLON

☐ OTHER _____

SIGNATURE

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER	51870.9
------------	---------

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

SIGNATURE _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 3/22/03

SITE TYPE	Monitor Well
-----------	--------------

JOB NUMBER 51870.9

MEASUREMENT POINT

PROTECTIVE
CASING STICKUP
(FROM GROUND)

PROTECTIVE CASING / WELL DIFFERENCE		FT
---	--	----

WELL DIAMETER	IN
------------------	----

WELL		YES	NO	N/A
INTEGRITY:	CAP			

LOCKED ☐ ☐ ☐

COLLAR ☐ ☐ ☐

TOTAL VOL. PURGED	0.82	GAL
----------------------	------	-----

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

[illegible]

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLAODER MATERIAL (if applicable)

☐ TEFLON

☐ OTHER

NOTES

932 DTW = 21.43
939 DTW = 21.42
946 DTW = 21.42
953 DTW = 21.42

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER	51870.9
------------	---------

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

3/22

☐ TEFLON
☐ OTHER _____

956 DTW = 6.62

RE: Julia Leela

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2003 1st Qtr Sampling Event

DATE 3/22/03

SITE ID BR-15

SITE TYPE Monitor Well

SITE ACTIVITY START 1050 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 21.00 FT

WELL DEPTH 77.75 FT

PID AMBIENT AIR PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 21.34 FT

SCREEN LENGTH FT

PID WELL MOUTH PPM

WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN 0.34 FT

DRAWDOWN VOLUME 0.51 GAL

PRODUCT THICKNESS FT

CASING LOCKED YES NO N/A

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

PURGE RATE 0.09 L/MIN

BEGIN PURGING 1054

END PURGING 1140

TOTAL VOL. PURGED 0.78 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
1110	1.03	7.23	1.34	23.5	0.93	11.42	-104	≈ 65 mL/min
1118	1.56	7.23	1.34	27.0	0.68	0.77	-106	≈ 61 mL/min
1127	2.14	7.23	1.34	28.4	0.60	0.88	-108	≈ 65 mL/min
1135	2.66	7.24	1.34	34.0	0.37	0.84	-110	≈ 65 mL/min
1137	collect samples for E260							

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

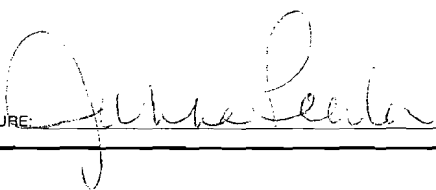
TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON
☐ OTHER

PURGE OBSERVATIONS

NOTES

1110 DTW = 21.18
1118 DTW = 21.23
1127 DTW = 21.30
1137 DTW = 21.35

SIGNATURE: 

APPENDIX E

WELL CONSTRUCTION INFORMATION

Appendix E

Well Construction Information

Quarterly Progress Report
First Quarter 2003 and System Progress Evaluation Progress
Former Taylor Instruments Site
Rochester, New York

Well ID	Date Installed	Well Purpose/Type	Well Location	Boring Depth	Well Depth	Screen Interval		Survey Coordinates			Well Material	Completion		
						Top	Bottom	Easting	Northing	Elevation		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
First Quarter 2003 and System Progress Evaluation Progress
Former Taylor Instruments Site
Rochester, New York

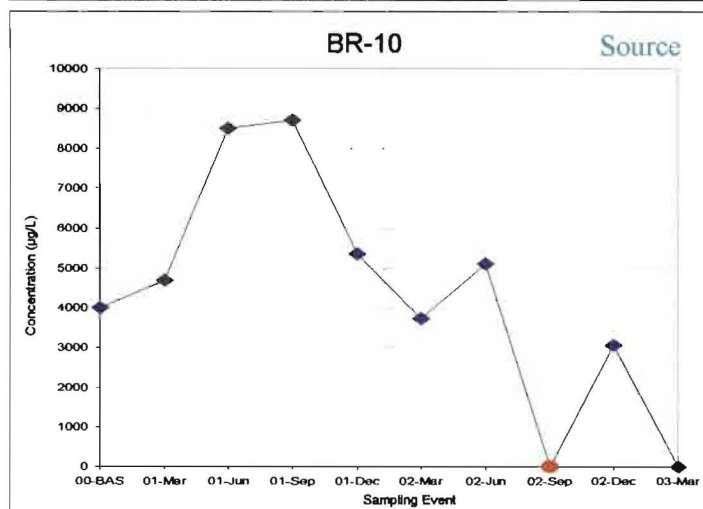
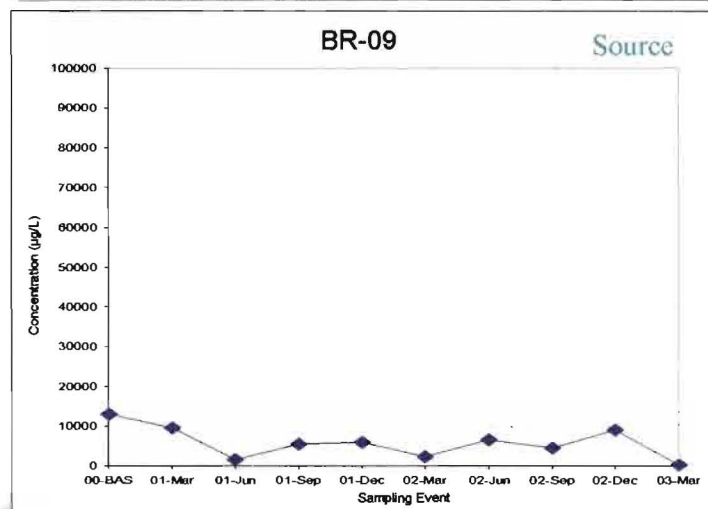
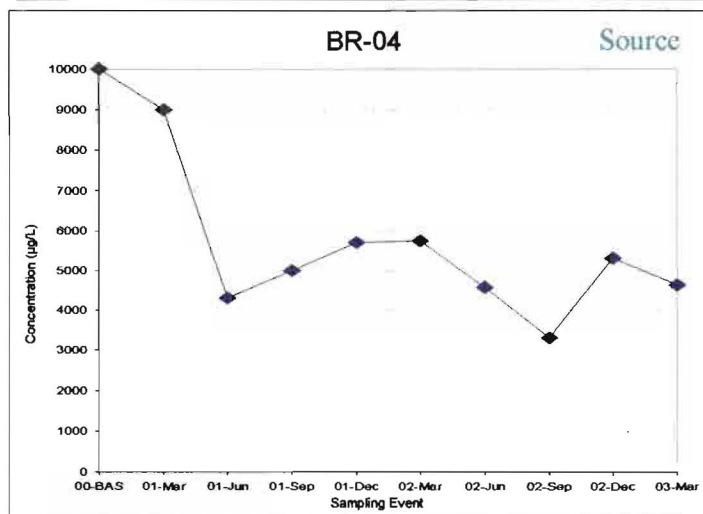
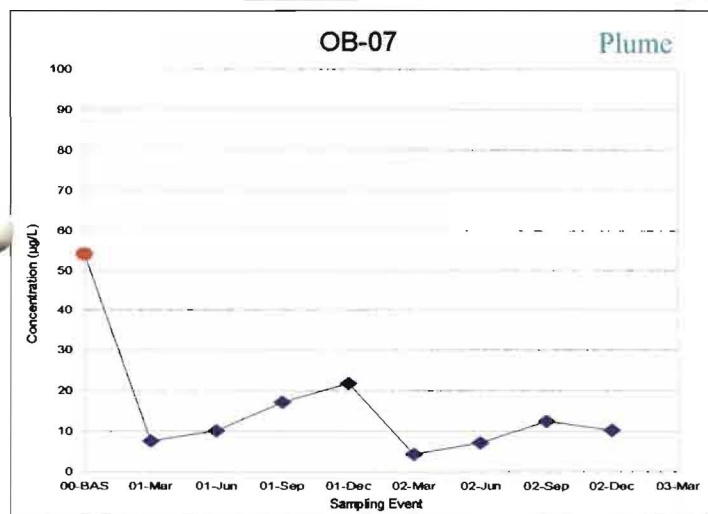
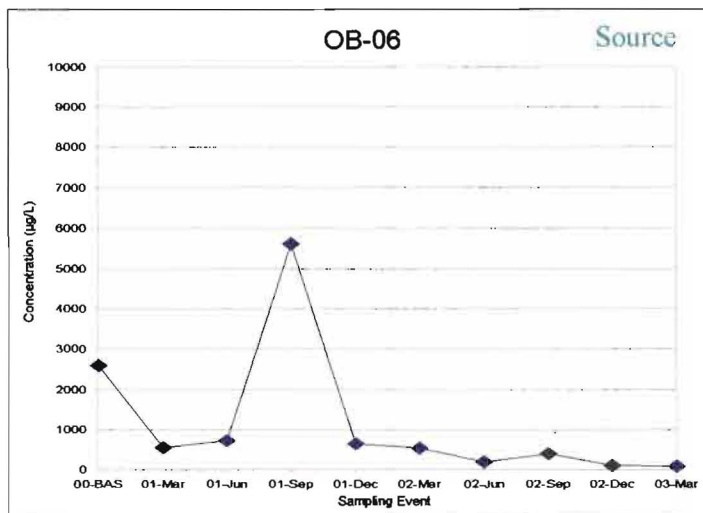
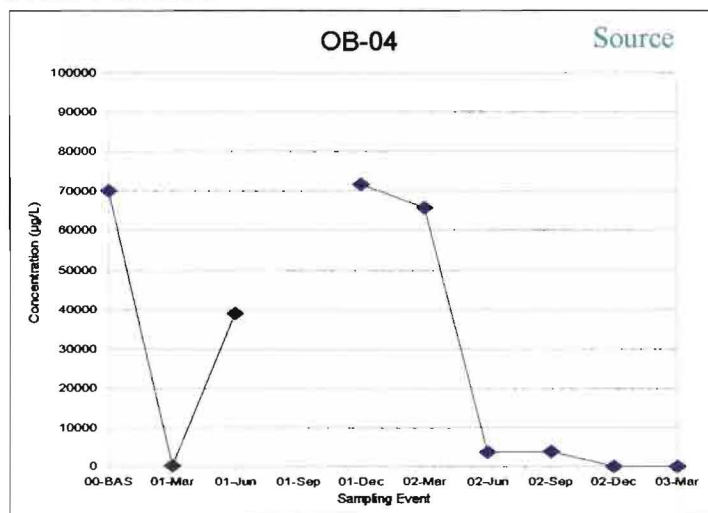
						Screen Interval		Survey Coordinates			Well Material	Completion		
Well ID	Date Installed	Well Purpose/Type	Well Location	Boring Depth	Well Depth	Top	Bottom	Easting	Northing	Elevation	Riser/Screen	Flush-mount	Vault	Stick-up
EW-S-10	08/09/00	Extraction	South Area	22.6	22.5	6.0	21.5	750381.30	1149367.65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

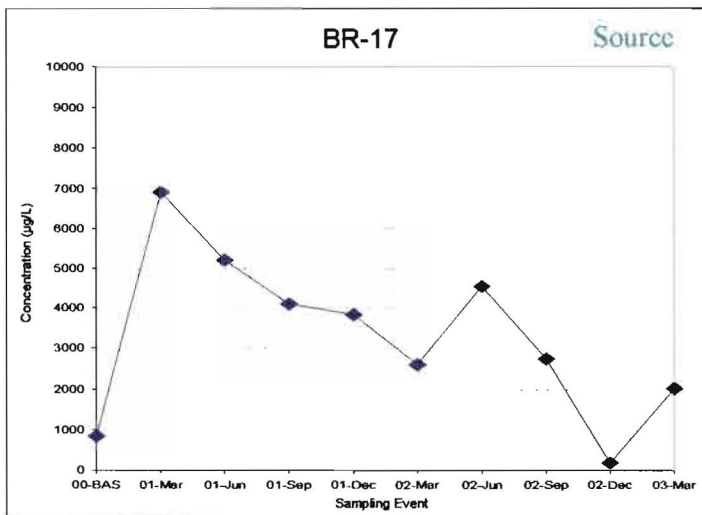
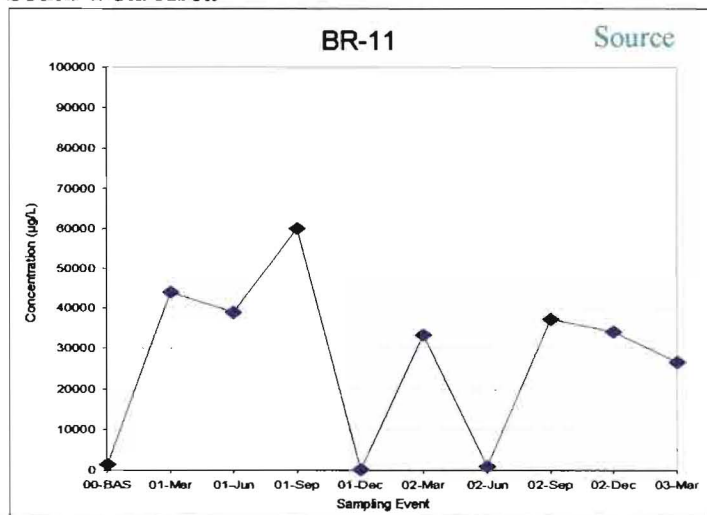
● = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs

(TCE Concentration Trends)

South TCE Area



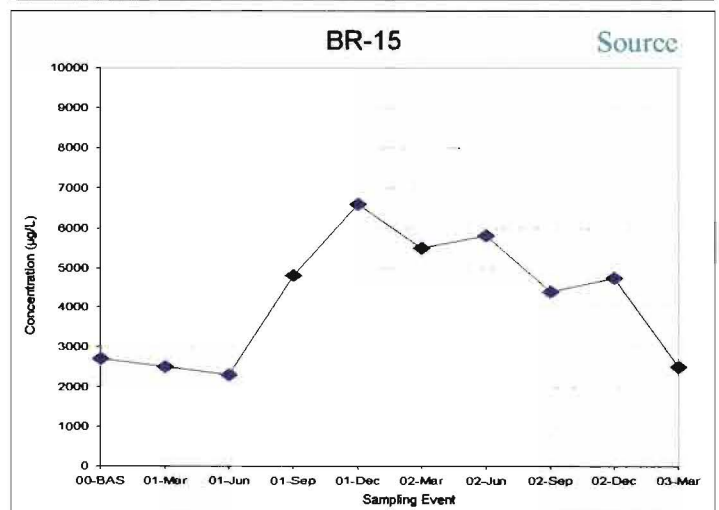
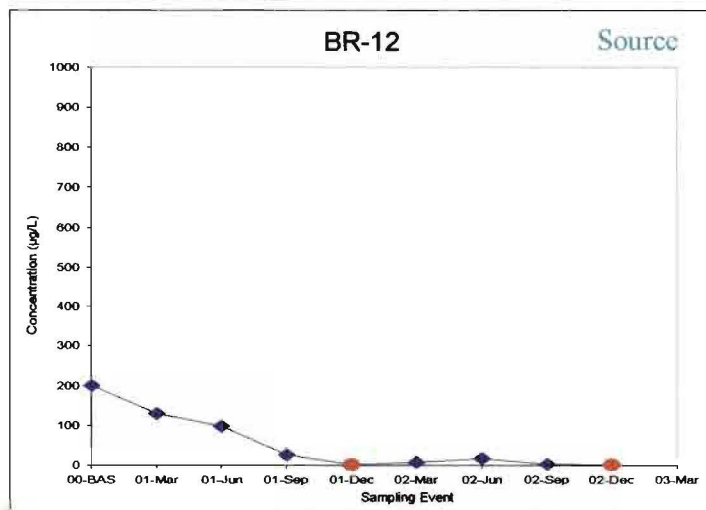
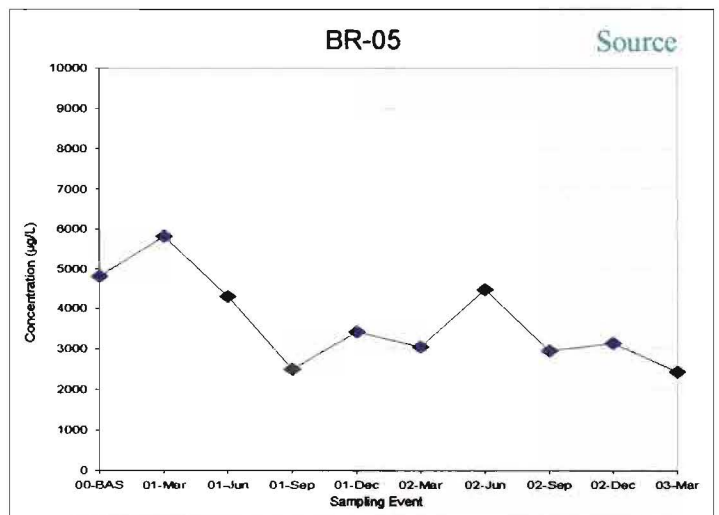
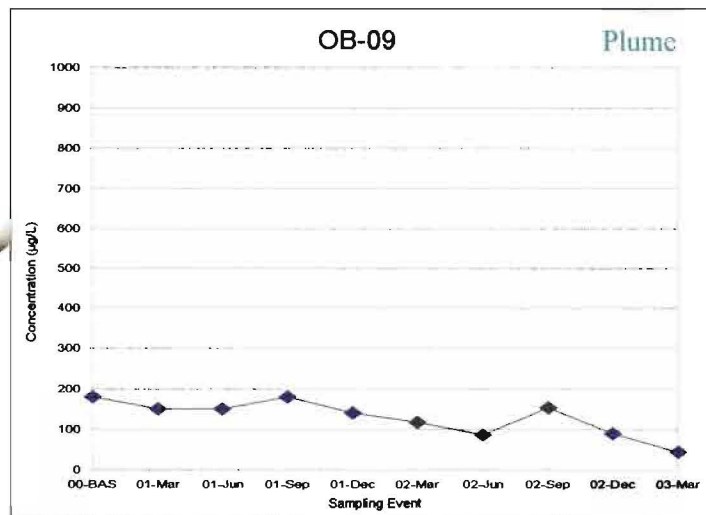
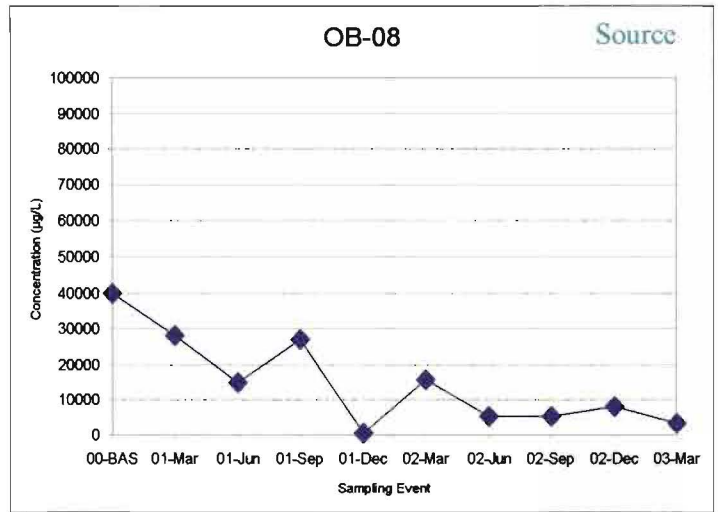
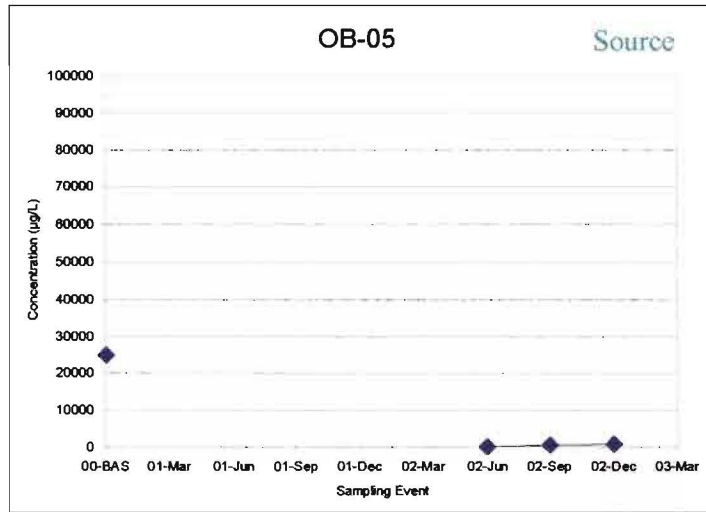
◆ = actual value
 ● = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs

(TCE Concentration Trends)

North TCE Area



◆ = actual value

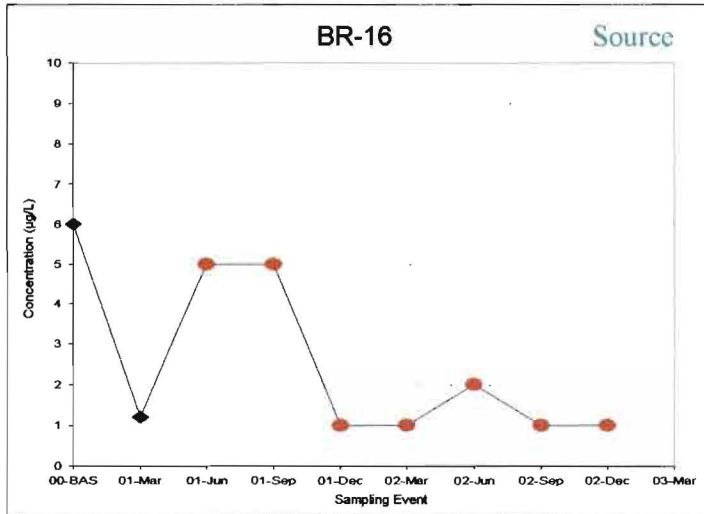
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Appendix F

Monitor Well Concentration Trend Graphs

(TCE Concentration Trends)

North TCE Area



◆ = actual value

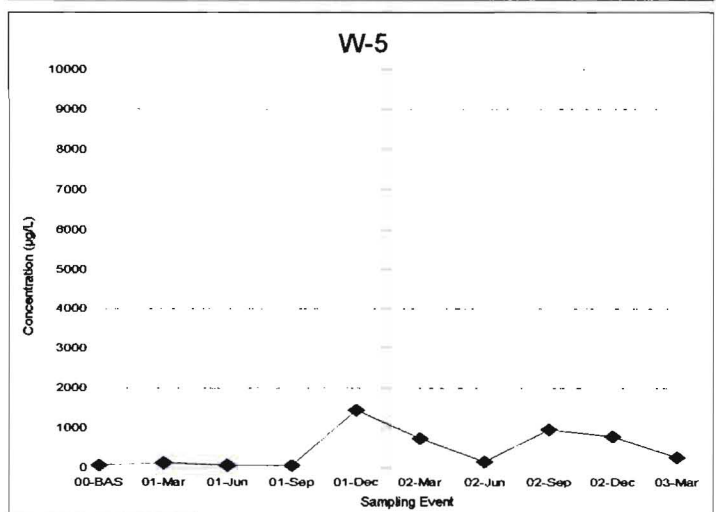
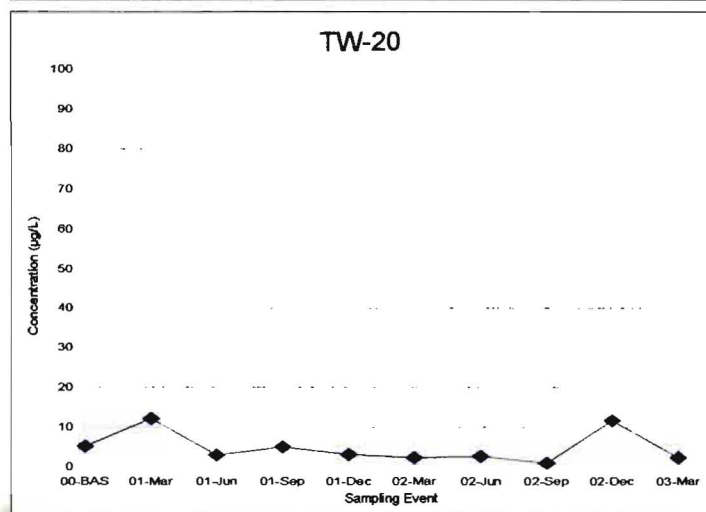
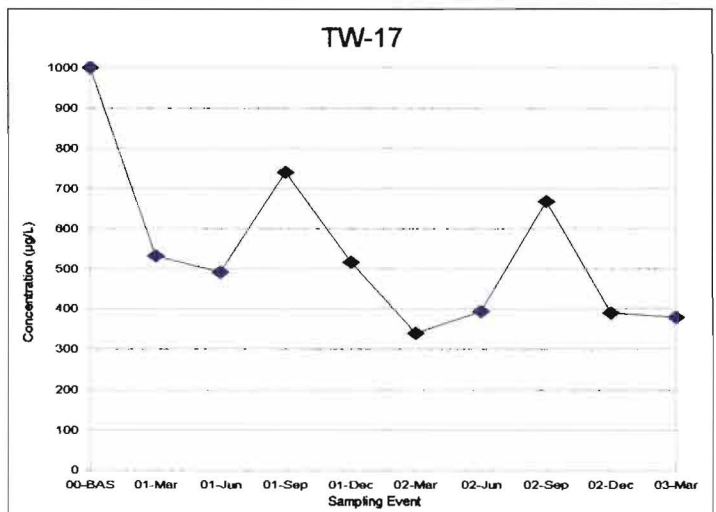
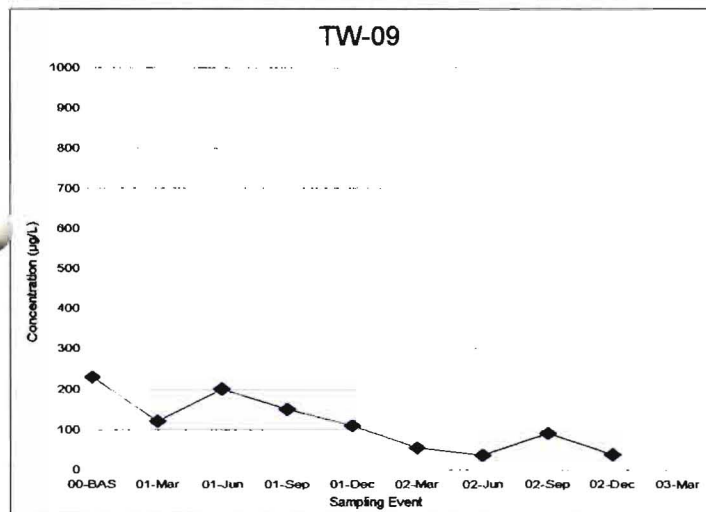
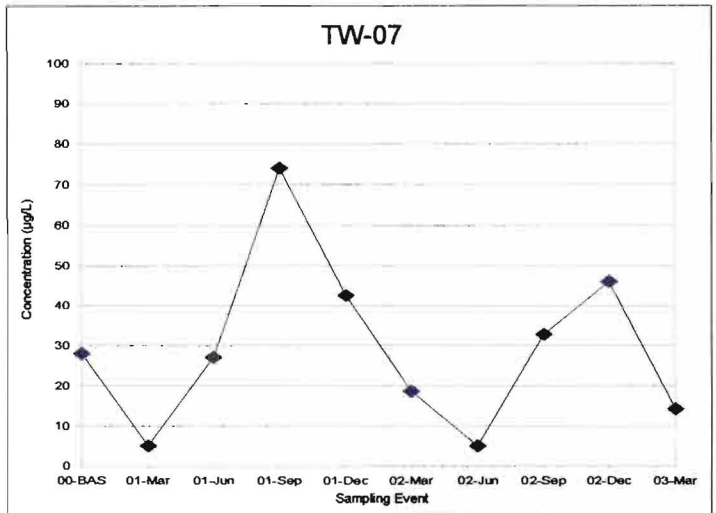
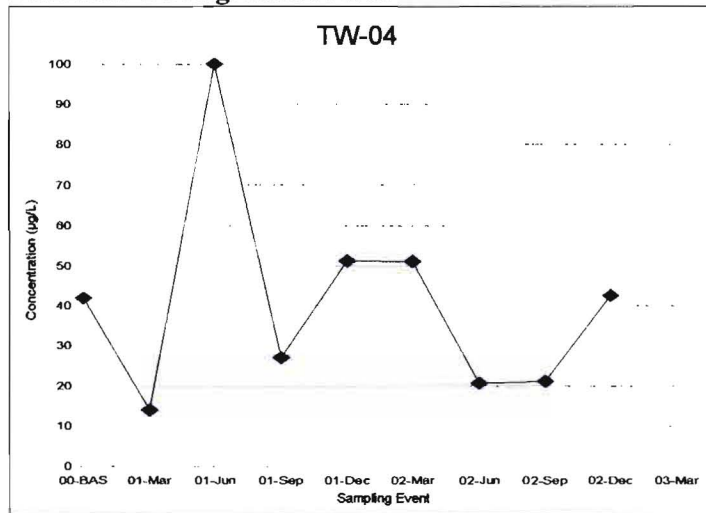
● = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs

(TCE Concentration Trends)

Perimeter Downgradient Area



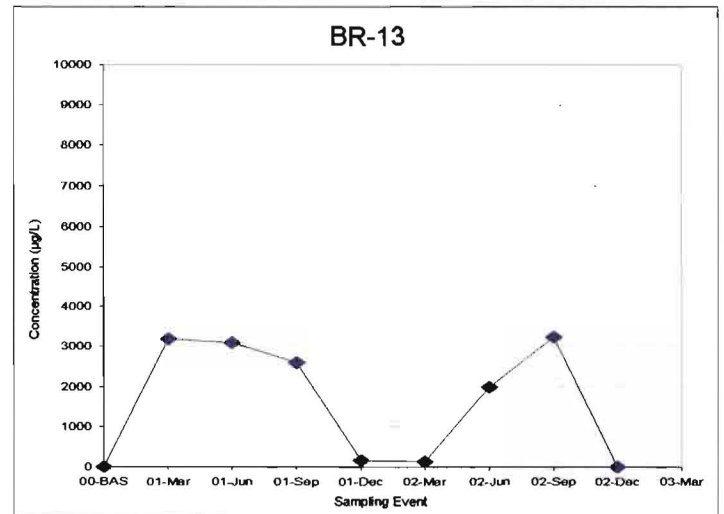
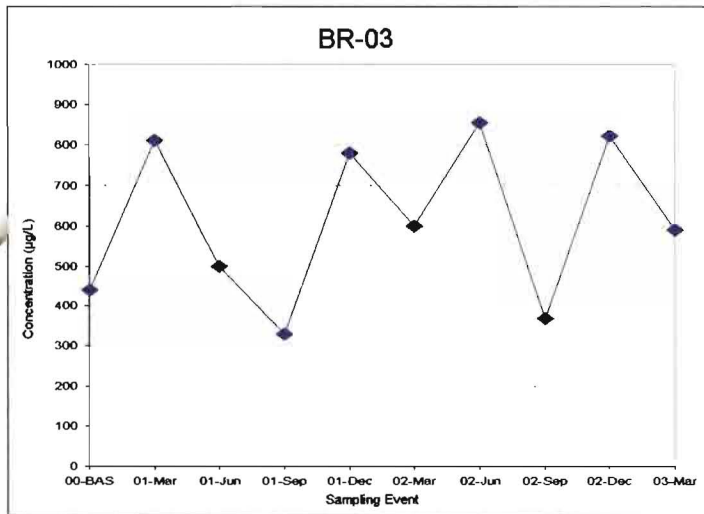
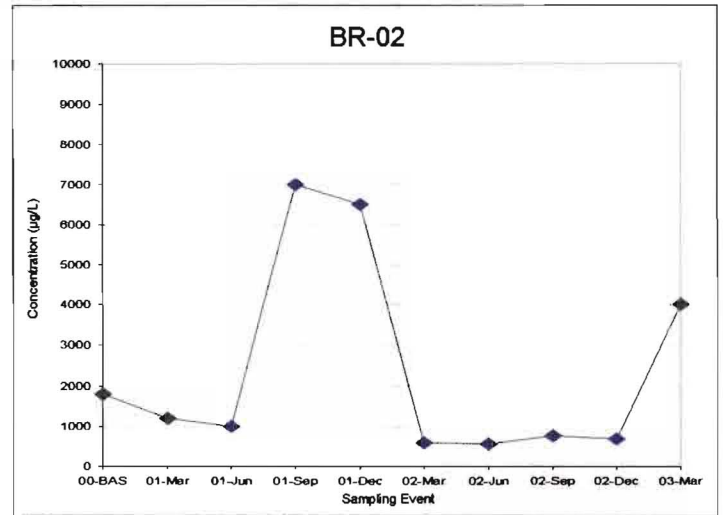
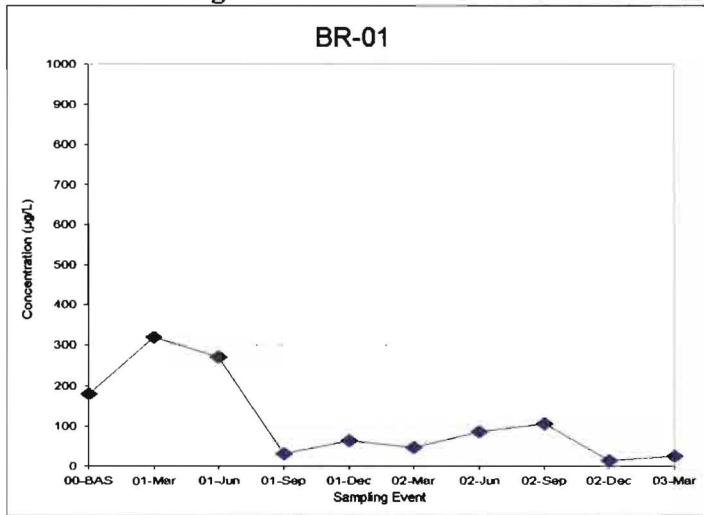
◆ = actual value
 ● = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs

(TCE Concentration Trends)

Perimeter Downgradient Area



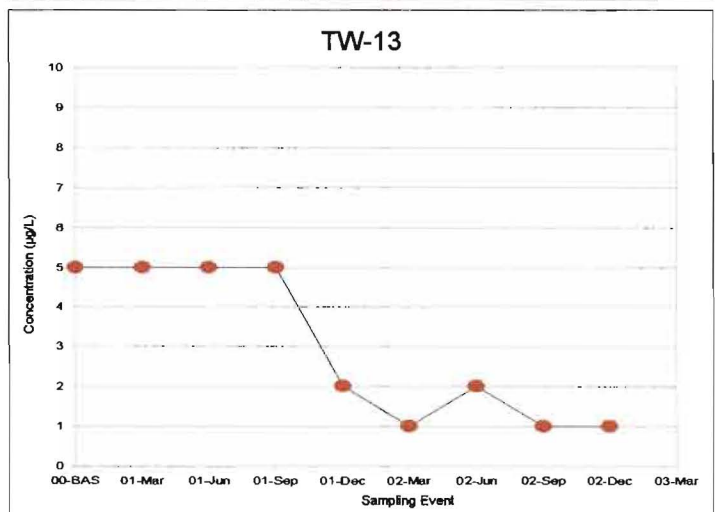
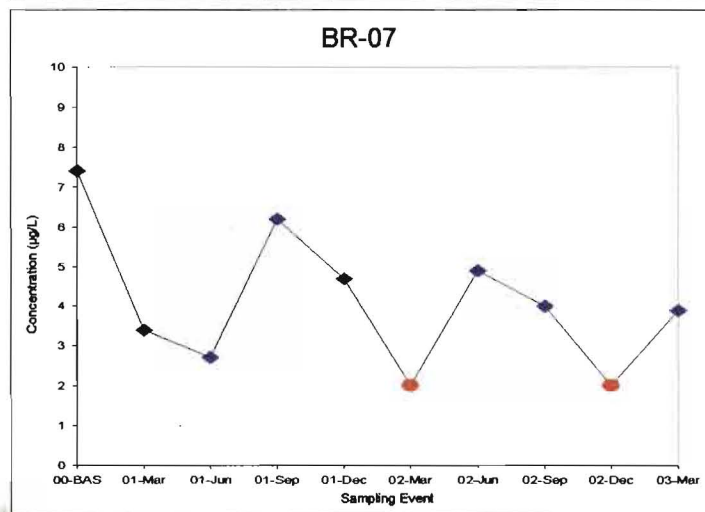
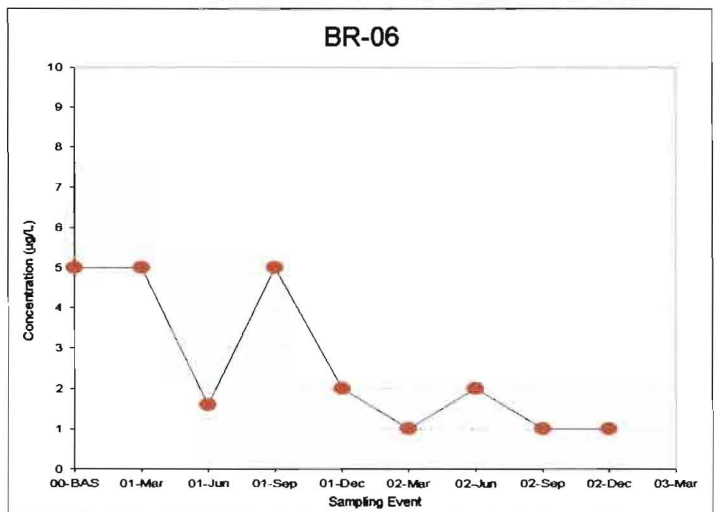
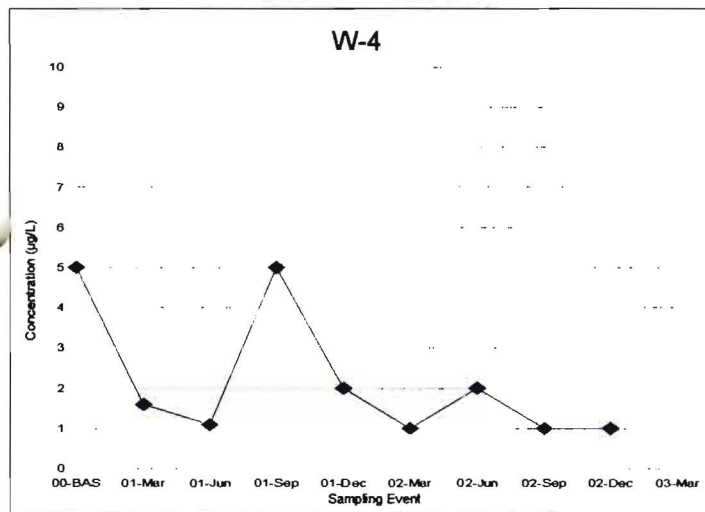
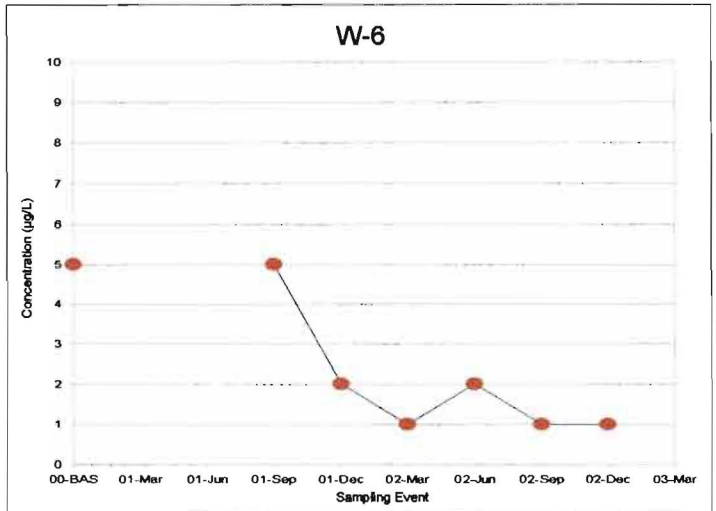
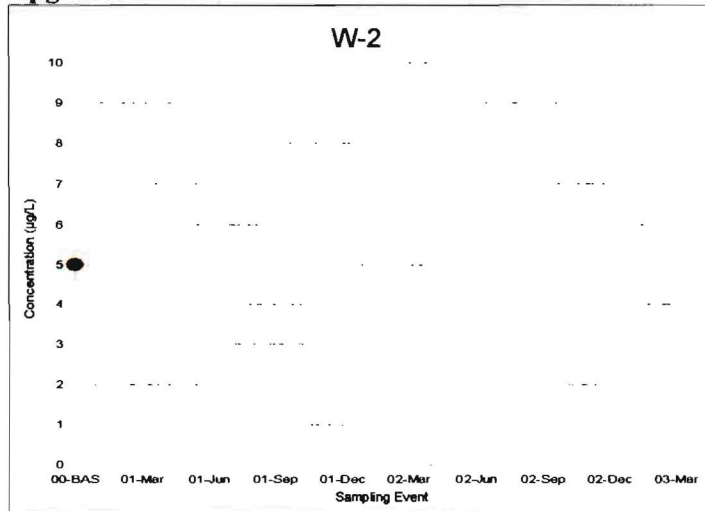
◆ = actual value
 ● = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs

(TCE Concentration Trends)

Upgradient Area

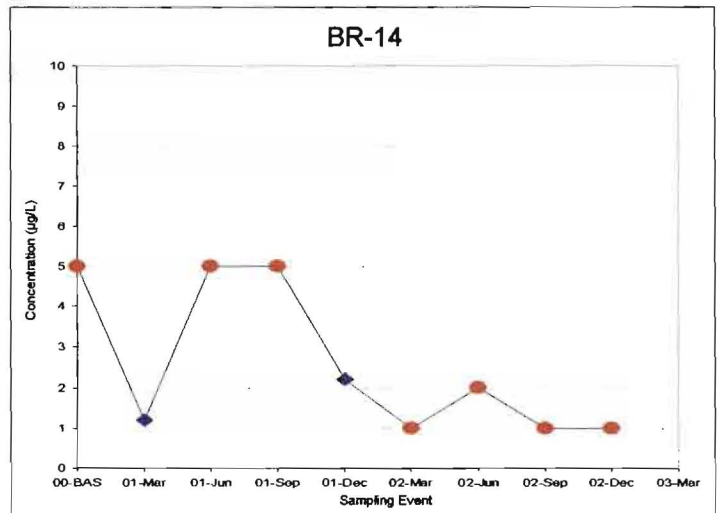
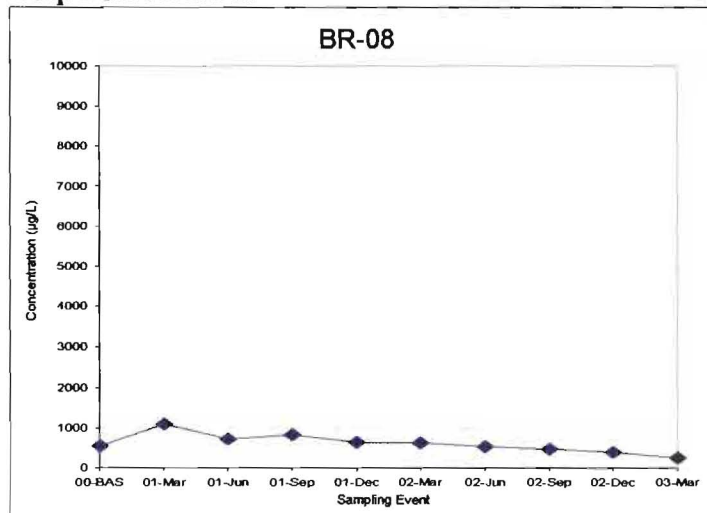


◆ = actual value
● = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs (TCE Concentration Trends)

Deep Bedrock Area



◆ = actual value
● = value below graphed detection limit