

QUARTERLY PROGRESS REPORT SECOND QUARTER 2002

FORMER TAYLOR INSTRUMENTS SITE
ROCHESTER, NEW YORK

PREPARED FOR:

COMBUSTION ENGINEERING
501 MERRITT 7
NORWALK, CT 06851

PREPARED BY:

HARDING ESE, INC.
1431 CENTERPOINT BOULEVARD, SUITE 150
KNOXVILLE, TN 37932

August 2002



Harding ESE, Inc.

1431 Centerpoint Blvd., Suite 150
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(865) 531-1922

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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)
mg/L	milligrams per liter
mL/min	milliliters per minute
MS	matrix spike
MS/MSD	matrix spike/matrix spike duplicate
MSD	matrix spike duplicate
ND	not detected (non-detect)
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 the activities and results for the second quarterly sampling event for the year 2002, which was conducted in June 2002, following implementation of the dual-phase vacuum extraction and groundwater remedial treatment system (System). A summary of the 2001 first, second, third, and fourth quarterly sampling event results, and the 2002 first quarterly sampling event 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, Appendix A), pursuant to a Voluntary Cleanup Agreement. An operational summary of the System for the second quarter of 2002 is also presented. This monitoring program has been implemented to document remedial progress in reducing contaminants of concern.

2.0 SCOPE OF WORK

2.1 JUNE 2002 QUARTERLY SAMPLING EVENT

Harding ESE personnel performed the June sampling event to provide an inclusive set of groundwater analytical data for the second quarterly period of 2002. Forty-five samples were collected and submitted to Test America, Incorporated (Table 2-1). Forty-four samples were submitted for volatile organic analyses by U.S. Environmental Protection Agency (EPA) Method 8260B. Of the 45 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. Thirty-three of the samples were environmental samples collected from monitor wells located on the Site. Twelve of the forty-four 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, respectively. Laboratory reports and sample 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)

Harding ESE 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 Harding ESE to determine the status of the System and quickly contact local O&M personnel, if necessary, thus maximizing System runtime. Routine O&M activities are conducted monthly and major activities are conducted quarterly. These activities include the following:

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

**Table 2-1
Samples and Analysis,
June 2002 Sampling Event**

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Sample ID	Sample Date	VOCs ¹ Analysis	Natural Biodegradation Parameter Analysis ²	Description
QATB01	06/04/02	X		Trip Blank
QAFB01	06/04/02	X		Field Blank
QARB01	06/04/02	X		Rinsate Blank
W-2	06/04/02		X ³	Environmental Sample
TW-04	06/04/02	X	X	Environmental Sample
TW-17	06/04/02	X	X	Environmental Sample
TW-20	06/05/02	X	X	Environmental Sample
TW-07	06/05/02	X	X	Environmental Sample
TW-09	06/05/02	X	X	Environmental Sample
OB-09	06/05/02	X	X	Environmental Sample
OB-07	06/06/02	X	X	Environmental Sample
OB-07 (MS)	06/06/02	X		Matrix Spike
OB-07 (MSD)	06/06/02	X		Matrix Spike Duplicate
W-5	06/06/02	X	X	Environmental Sample
W-5 (DUP)	06/06/02	X		Duplicate
W-4	06/07/02	X		Environmental Sample
TW-13	06/07/02	X		Environmental Sample
OB-06	06/07/02	X		Environmental Sample
BR-08	06/07/02	X		Environmental Sample
BR-17	06/07/02	X		Environmental Sample
BR-03	06/07/02	X		Environmental Sample
BR-14	06/08/02	X		Environmental Sample
BR-01	06/08/02	X		Environmental Sample
BR-02	06/08/02	X		Environmental Sample
QATB02	06/08/02	X		Trip Blank
QAFB02	06/08/02	X		Field Blank
QARB02	06/08/02	X		Rinsate Blank
See notes at end of table.				

Table 2-1 (Continued)
Samples and Analysis,
June 2002 Sampling Event

Quarterly Progress Report
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Sample ID	Sample Date	VOCs ¹ Analysis	Natural Biodegradation Parameter Analysis ²	Description
BR-06	06/08/02	X		Environmental Sample
BR-06 (MS)	06/08/02	X		Matrix Spike
BR-06 (MSD)	06/08/02	X		Matrix Spike Duplicate
BR-07	06/08/02	X		Environmental Sample
BR-07 (DUP)	06/08/02	X		Duplicate
W-6	06/08/02	X		Environmental Sample
BR-16	06/09/02	X		Environmental Sample
BR-12	06/09/02	X		Environmental Sample
BR-13	06/09/02	X		Environmental Sample
BR-15	06/09/02	X		Environmental Sample
BR-10	06/09/02	X		Environmental Sample
OB-04	06/09/02	X		Environmental Sample
BR-04	06/10/02	X		Environmental Sample
BR-05	06/10/02	X		Environmental Sample
OB-05	06/10/02	X		Environmental Sample
BR-09	06/10/02	X		Environmental Sample
OB-08	06/10/02	X		Environmental Sample
BR-11	06/10/02	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

- 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

The wells sampled during the second quarterly (June 2002) event are divided into four categories. These categories are (1) the North and South Trichloroethylene (TCE) Source Areas; (2) Upgradient, which includes wells upgradient of the source areas; (3) Downgradient Perimeter, which includes wells downgradient of the source areas; and (4) Deep Bedrock, which includes BR-08 and BR-14. Well construction information is provided in Appendix E.

A summary of wells sampled and the analyses performed are found in Table 2-1. The baseline sampling event is summarized in Table 3-1. The sample results for the June 2002 sampling event are summarized in Tables 3-2 and 3-3. These tables present only positive (i.e., 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. 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, and June 2002 sampling events. Natural biodegradation results for the June 2002 event are summarized in Table 3-4 (see Section 3.6). Comprehensive results can be found in the laboratory reports located in Appendix B.

3.1 NORTH AND SOUTH TCE SOURCE AREAS

Overburden Monitor Wells

Monitor wells OB-04 and OB-06 are both located within the South TCE Source Area while OB-07 is within the plume. Results in OB-04 were much lower than March 2002 results with TCE decreasing from 65,600 micrograms per liter ($\mu\text{g/L}$) to 3,650 $\mu\text{g/L}$ and cis-1,2-dichloroethylene (cis-1,2-DCE) falling significantly from 1,640 to 554 $\mu\text{g/L}$. Daughter products trans-1,2-dichloroethylene (trans-1,2-DCE) and 1,1-dichloroethylene (1,1-DCE) also declined from 16.6 $\mu\text{g/L}$ and 3.8 $\mu\text{g/L}$, respectively, to non-detections. OB-06 also displayed a decrease in TCE concentration from past events with TCE being detected at 184 $\mu\text{g/L}$, down from 526 $\mu\text{g/L}$. Also, cis-1,2-DCE was detected at 2.8 $\mu\text{g/L}$. OB-07 exhibited only 7.1 $\mu\text{g/L}$ of TCE, which is consistent with past detections (4.2 $\mu\text{g/L}$ in March and 21.8 $\mu\text{g/L}$ in December). No daughter products were detected.

Monitor wells OB-05 and OB-08 are both located within the North TCE Source Area while OB-09 is within the plume. OB-05 contained slight concentrations of TCE at 52.8 $\mu\text{g/L}$, a significant reduction

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, and March and June 2002 Sampling Events

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Former Taylor Instruments Site
Rochester, New York

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

See notes at end of table.

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

See notes at end of table.

Table 3-2 (Continued)
Summary of Overburden VOC Results for the
Baseline, 2001, and March and June 2002 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-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-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-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	--	--	--	--
W-2	10/21/00	--	--	--	--	--
W-2*	03/01	NS	NS	NS	NS	NS
W-2*	06/01	NS	NS	NS	NS	NS
W-2*	09/01	NS	NS	NS	NS	NS
W-2*	12/01	NS	NS	NS	NS	NS
W-2*	03/02	NS	NS	NS	NS	NS
W-2*	06/02	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	--	--	--	--	--

See notes at end of table.

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

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First Quarter 2002
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-6	10/24/00	--	--	--	--	--
W-6**	03/01	NS	NS	NS	NS	NS
W-6**	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	--	--	--
Notes: -- = no detections * = will not be sampled during quarterly events. ** = W-6 was not sampled due to obstruction. µg/L = micrograms per liter 1,1-DCE = 1,1-dichloroethylene cis-1,2-DCE = cis-1,2-dichloroethylene DUP = duplicate ID = identification J = estimated value NS = not sampled TCE = trichloroethylene trans-1,2-DCE = trans-1,2-dichloroethylene VOC = volatile organic compound						

Table 3-3
Summary of Bedrock VOC Results for the
Baseline, 2001, and March and June 2002 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-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-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-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-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-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

See notes at end of table.

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

See notes at end of table.

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

Quarterly Progress Report
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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-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-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-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-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-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

See notes at end of table.

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

Quarterly Progress Report
First Quarter 2002
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-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-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

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

from Baseline, which was 25,000 µg/L. TCE concentrations in OB-08 declined to a concentration of 5,370 µg/L from March's concentration of 15,750 µg/L. No daughter products were detected. OB-09 remained consistent with past concentrations of TCE, with levels at 86 µg/L (concentrations of 117 µg/L in March and 141 µg/L in December). OB-09 also displayed a concentration of cis-1,2-DCE at 7.4 µg/L.

Bedrock

Bedrock monitor wells BR-04, BR-09, BR-10, BR-11, and BR-17 are located within the South TCE Source Area. The TCE concentration in BR-04 was 4,570 µg/L, and the breakdown products cis-1,2-DCE and trans-1,2-DCE were 338 and 49 µg/L, respectively. BR-09 exhibited an increase in TCE, while exhibiting a decline in daughter product concentrations. TCE was detected at 6,530 µg/L (up from 2,420 µg/L in March, but similar to December at 6,000 µg/L), while cis-1,2-DCE and trans-1,2-DCE declined to non-detections. TCE concentrations in BR-10 continued returning to levels consistent with December (5,350 µg/L), with a rise from 3,745 µg/L in March to 5,100 µg/L in June. Daughter products were also detected in BR-10 consisting of cis-1,2-DCE at 1,290 µg/L, trans-1,2-DCE at 64.6 µg/L, 1,1-DCE at 4.7 µg/L, and vinyl chloride at 5.3 µg/L. BR-11 TCE concentrations dropped significantly, from 33,300 µg/L in March to 874 µg/L in June. Daughter products cis-1,2-DCE and vinyl chloride were also detected at 52 and 32 µg/L. In well BR-17, TCE concentrations were 4,540 µg/L, while daughter product concentrations were cis-1,2-DCE of 198 µg/L, trans-1,2-DCE of 49.8 µg/L, 1,1-DCE of 5 µg/L, and vinyl chloride of 45.9 µg/L.

BR-05, BR-12, BR-15, and BR-16 are located in the North TCE Source Area. BR-05 recorded TCE levels at 4,470 µg/L, cis-1,2-DCE levels at 118 µg/L, trans-1,2-DCE levels at 23 µg/L, 1,1-DCE levels at 25 µg/L, and vinyl chloride at 176 µg/L. BR-12 remained consistently low in TCE concentrations, with a June 2002 detection of 17.4 µg/L. Also, cis-1,2-DCE was detected at 9.6 µg/L. BR-15 remained constant in TCE concentrations from the March 2002 (5,500 µg/L) event to the June 2002 (5,800 µg/L) event. Most daughter products remained consistent with trans-1,2-DCE at 36.9 µg/L, 1,1-DCE at 4.6 µg/L. Cis-1,2-DCE and vinyl chloride rose slightly, with detections of 373 µg/L and 3.8 µg/L. BR-16 remained at non-detect levels.

In addition to these detections, methylene chloride was detected at 28 µg/L in BR-11. Methylene chloride was not determined to be a contaminant of concern for this site and has not been detected historically in on-site monitor wells.

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. W-2 is not sampled for VOCs as part of the quarterly sampling program, but displayed no VOC detections during the Baseline event. W-6 VOC results were all non-detections, with the exception of cis-1,2-DCE having a result of 10.3 µg/L. W-4 is located west of the source areas, and is also considered upgradient. Concentrations in W-4 remained at non-detect levels.

Bedrock Monitor Wells

BR-06 and BR-07 are also upgradient wells, located southwest and west of the source areas. BR-06 displayed no detectable TCE or daughter product concentrations for the June 2002 sampling event. BR-07 had a TCE detection of 4.9 µg/L. Daughter product concentrations in BR-07 rose, with 32.9 µg/L (cis-1,2-DCE), 14.4 µg/L (trans-1,2-DCE) and 119 µg/L (vinyl chloride).

In addition to these detections benzene was detected in BR-07 at 7.7 µg/L. Acetone and benzene were not determined to be contaminants of concern for this site and have not been detected historically in on-site monitor wells.

3.3 PERIMETER DOWNGRAIDENT MONITOR WELLS

Overburden Monitor Wells

Downgradient well TW-13 showed no VOC detections. TW-04 displayed detections of TCE at 20.7 µg/L. TCE in TW-20 was detected at 2.7 µg/L, while daughter product concentrations remained at non-detect levels. Concentrations of TCE in TW-17 remained constant at 393 µg/L (339 µg/L in March), while daughter products remained at non-detect levels. The only measured concentration in TW-07 was of 5 µg/L of TCE. In TW-09, TCE concentrations continued to fall from 110 to 55.4 to 36.5 µg/L in June 2002, as well as cis-1,2-DCE dropping from 4 µg/L to 2 µg/L to non-detect. Concentrations in W-5 continued declining, with TCE concentrations of 155 µg/L, and a cis-1,2-DCE concentration of 15.7 µg/L.

Bedrock Monitor Wells

The perimeter downgradient bedrock monitor wells are BR-01, BR-02, BR-03, and BR-13.

Concentrations of TCE in BR-01 were 85.7 µg/L, while daughter products cis-1,2-DCE and trans-1,2-DCE were 10.1 µg/L and 3.2 µg/L, respectively. Concentrations in BR-02 continued to decline, with TCE levels going from 588 µg/L during March sampling activities to 568 µg/L in the June 2002 sampling event. Cis-1,2-DCE increased slightly from 79.6 µg/L in March to 122 µg/L in June. However, trans-1,2-DCE declined from 20.8 µg/L in March to 2.2 µg/L in June. BR-03 levels rose slightly, with 854 µg/L of TCE, 19.7 µg/L of cis-1,2-DCE, and 2.8 µg/L of 1,1-DCE. Concentrations in BR-13 also rose, with TCE going from 132 µg/L in March to 1,980 µg/L in June, and cis-1,2-DCE going from 23.7 µg/L in March to 558 µg/L in June. Detections of trans-1,2-DCE, 1,1-DCE, and vinyl chloride were also present at 11.2, 4.2, and 3.4 µg/L respectively.

3.4 DEEP BEDROCK MONITOR WELLS

BR-08 is the deep bedrock well located in the South TCE Source Area, while BR-14 is located in the North TCE Source Area. BR-08 concentrations of TCE-related products remained consistent from the March event with TCE decreasing from 621 to 528 µg/L, cis-1,2-DCE concentrations lowering from 242 to 212 µg/L, trans-1,2-DCE concentrations lowering from 3 to 2.8 µg/L, and vinyl chloride concentrations lowering from 4 µg/L to non-detect. BR-14 had no detections of TCE related products.

In addition to these detections, there were several other compounds detected. BR-08 displayed detections of acetone (649 µg/L), toluene (9.4 µg/L), and total xylenes (7.7 µg/L). BR-14 had detections of acetone (385 µg/L) and toluene (7.1 µg/L). None of these compounds were determined to be contaminants of concern for this site and have not been detected historically in on-site monitor wells.

3.5 POTENTIOMETRIC SURFACE

A potentiometric surface map was 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 June 2002 map was based upon water level information collected during the course of sampling activities on the subject site. Overburden potentiometric surface mapping for the June 2002 event agrees

with past mapping, which indicates that groundwater flow is being directly affected by pumping conditions.

Attempts were 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 a supposition that bedrock flow is generally towards the north. Bedrock water level elevations are presented in Figure 5 in Appendix A.

3.6 NATURAL BIODEGRADATION

During the June 2002 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 3-4 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 3-4 shows that TCE daughter products were detected in two 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. Daughter products were not detected in TW-04, TW-07, TW-09, TW-17, TW-20, and OB-07. Values for the following parameters from TW-04 indicated conditions conducive to natural biodegradation: nitrate, oxidation reduction potential (ORP), pH, and carbon dioxide (CO₂). TW-07 had two favorable parameter readings: pH and chloride. TW-09 also displayed two favorable conditions: ORP and pH. TW-17 had three parameters supportive of natural biodegradation: nitrate, pH, and CO₂. TW-20, having one parameter reading favorable for natural biodegradation, is at the northeast corner of the property. OB-07 displayed favorable ORP and pH readings, and favorable concentrations of chloride, while OB-09 exhibited favorable readings in ORP and pH. Concentrations of daughter products may be present in the vicinity of the four wells at concentrations less than the sample quantitation limits (SQLs) or daughter products may have completely degraded to non-toxic end products, such as CO₂, water, and chloride.

Table 3-4
Summary of Natural Biodegradation Results,
June 2002 Sampling Event¹

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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	0.92	2.55	1.84	10.29	3.70	0.97	2.59	1.88	9.21
Nitrate (mg/L)	<1	0.1	38	1.44	<0.1	3.74	<0.1	21.2	3.58	NA
Iron II (mg/L)	>1	0.69	0.534	0.156	0.105	<0.1	1.84	0.11	0.226	NA
Sulfate (mg/L)	<20	207	319	270	103	61.8	63.4	390	297	NA
Sulfide (mg/L)	>1	<2	<2	<2	<2	<2	<2	<2	<2	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	-86	67	13	63	65	-60	-77	-62	192
pH	5<pH<9	7.12	6.54	6.95	7.18	7.16	7.11	7.66	7.20	7.73
TOC (mg/L)	>20	2.39	3.03	<1	<1	<1	<1	5.82	1.19	NA
Temperature (°C)	>20	13.75	16.90	18.32	13.70	15.66	14.69	13.94	18.94	13.79
CO ₂ (mg/L)	Note 1	217	104	36.8	186	13.2	35.3	<3	25.7	53.9
Alkalinity (mg/L)	Note 1	287	331	165	303	335	351	123	233	222
Chloride (mg/L)	Note 1	8.12	46.2	6.5	17.7	16.2	5.94	57.5	8.89	22.5
BTEX (mg/L)	>0.1	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	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	No	No	No	No	Yes	No	Yes	NA
See notes at end of table.										

Table 3-4 (Continued)
Summary of Natural Biodegradation Results,
June 2001 Sampling Event¹

Quarterly Progress Report
Second Quarter 2002
Former Taylor Instruments Site
Rochester, New York

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

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

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

Note: Shading indicates parameters supportive of natural biodegradation.

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

Due to analysis method constraints, samples analyzed for ferrous iron were analyzed outside of holding time. The results for this parameter would not vary significantly if they had been analyzed within holding time.

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

3.7 TREATMENT SYSTEM PERFORMANCE

The System was fully operational on January 6, 2001. Since then, it has operated 98 percent of available hours through June 2002. The system has operated 99 percent of available hours through the first and second quarters of operation in 2002, from January to June 2002. The limited downtime during the first and second quarters of operation is attributed to routine O&M. Table 3-5 provides a summary of monthly System operational data. The System is currently extracting soil vapor and groundwater from 23 dual-phase vacuum extraction (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, 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 21.8 million gallons of groundwater through June 2002.

During the second quarter of operation in 2002, 5.1 million gallons of groundwater was extracted with an average flow rate of 28 gallons per minute, and a total of 453 pounds of VOCs were removed from the subsurface (see Figures 6 and 7, Appendix A). A total of 2,432 pounds of contaminants have been removed since startup of the system. The majority of VOCs are still being removed from the overburden through the vapor phase and stripped from groundwater during the vacuum extraction process. During the second quarter of operation in 2002, approximately 429.89 pounds (95 percent) of VOCs were removed by the vacuum extraction process and the remaining 22.64 pounds (5 percent) was removed by air stripping of the collected groundwater. Table 3-6 summarizes groundwater sample results from the equalization tank and vapor sampling results from the effluent of three vacuum pumps and air stripper. As indicated by the results, the total monthly mass of VOCs extracted by the treatment system has increased during the second quarter of operation in 2002.

**Table 3-5
System Operational Summary,
January 2001 – June 2002**

Quarterly Progress Report
First Quarter 2002
Former Taylor Instruments Site
Rochester, New York

Parameter	2001					
	January	February	March	April	May	June
System Up-time (%)	97	76	93	99.9	99.9	99.9
Average System Vacuum ¹						
South Source Area (in. Hg)	18	18	20	17	16	16
North Source Area (in. Hg)	14	14	18	18	20	15
Average System Groundwater Flowrates ²						
Total System (gpm)	23	27	29	26	26	25
Dual Phase Extraction (gpm)	5	8	11	8	7	7
Bedrock Extraction (gpm)	18	19	18	18	19	18
Average System Vapor Flowrates ¹						
Dual Phase Extraction	189	157	137	168	180	180
South Source Area (CFM)						
Dual Phase Extraction North Source Area (CFM)	112	117	123	110	110	120
System Mass Removal Rate (lbs./hr) ³	0.33	0.13	0.06	0.08	0.05	0.03
System Mass Removed (lbs.) ³	387	383	136	245	145	53
Cumulative Mass Removed (lbs.) ³	387	770	906	1,151	1,296	1,349
Air Stripper Removal Efficiency (%) ³	99.6	99.6	99.6	99.6	99.6	99.6
Cumulative Groundwater Recovered (gallons) ²	1,546,559	2,637,226	3,833,248	4,999,392	6,141,936	7,178,379
See notes at end of table.						

Table 3-5 (Continued)
System Operational Summary,
January 2001 – June 2002

Quarterly Progress Report
First Quarter 2002
Former Taylor Instruments Site
Rochester, New York

Parameter	2001					
	July	August	September	October	November	December
System Up-time (%)	100	98	98	99.9	99.9	99.9
Average System Vacuum ¹						
South Source Area (in. Hg)	16	17	16	16	19	16
North Source Area (in. Hg)	16	17	16	18	17	13
Average System Groundwater Flowrates ²						
Total System (gpm)	25	24	24	25	23	27
Dual Phase Extraction (gpm)	7	6	6	7	5	9
Bedrock Extraction (gpm)	18	18	18	18	18	18
Average System Vapor Flowrates ¹						
Dual Phase Extraction South Source Area (CFM)	180	180	180	185	145	170
Dual Phase Extraction North Source Area (CFM)	180	175	170	130	100	150
System Mass Removal Rate (lbs./hr) ³	0.03	0.04	0.04	0.03	0.06	0.003
System Mass Removed (lbs.) ³	94	88	107	87	100	10
Cumulative Mass Removed (lbs.) ³	1,442	1,530	1,637	1,724	1,824	1,834
Air Stripper Removal Efficiency (%) ³	99.3	99.5	99.2	99.2	99.3	99.6
Cumulative Groundwater Recovered (gallons) ²	8,369,973	9,431,598	10,454,171	11,489,759	12,514,776	13,711,132
See notes at end of table.						

Table 3-5 (Continued)
System Operational Summary,
January 2001 – June 2002

Quarterly Progress Report
First Quarter 2002
Former Taylor Instruments Site
Rochester, New York

Parameter	2002					
	January	February	March	April	May	June
System Up-time (%)	99.5	99.4	98.9	99	99.4	99.5
Average System Vacuum ¹						
South Source Area (in. Hg)	14	21	18	21	22.5	18.5
North Source Area (in. Hg)	14	21.5	15	22	23	22.5
Average System Groundwater Flowrates ²						
Total System (gpm)	24	21	26	28	29	26
Dual Phase Extraction (gpm)	7	6	9	11	12	10
Bedrock Extraction (gpm)	18	16	17	17	17	16
Average System Vapor Flowrates ¹						
Dual Phase Extraction South Source Area (CFM)	230	115	155	155	115	115
Dual Phase Extraction North Source Area (CFM)	120	100	120	100	100	100
System Mass Removal Rate (lbs./hr) ³	0.005	0.05	0.03	0.08	0.06	0.03
System Mass Removed (lbs.) ³	11	77	57	142	234	77
Cumulative Mass Removed (lbs.) ³	1,845	1,922	1,979	2,121	2,355	2,432
Air Stripper Removal Efficiency (%) ³	99.8	99.6	99.6	99.6	98.8	99.9
Cumulative Groundwater Recovered (gallons) ²	14,773,808	15,606,639	16,748,105	17,949,051	19,226,920	21,828,378

¹ Instantaneous.

² Continuous.

³ Calculated.

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

gpm = gallons per minute
lbs. = pounds

**Table 3-6
System Analytical Data,
January 2001 – June 2002**

Quarterly Progress Report
First Quarter 2002
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
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
See notes at end of table.					

Table 3-6 (Continued)
System Analytical Data,
January 2001 – June 2002

Quarterly Progress Report
First Quarter 2002
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 #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
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

See notes at end of table.

Table 3-6 (Continued)
System Analytical Data,
January 2001 – June 2002

Quarterly Progress Report
First Quarter 2002
Former Taylor Instruments Site
Rochester, New York

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

¹ Vapor Analysis is by EPA Method TO-14 Modified.

² Groundwater Analysis is by EPA Method 8260.

Notes: µg/L = micrograms per liter
DCE = dichloroethylene
EPA = Environmental Protection Agency (United States)
mg/m³ = milligrams per cubic meter
NS = Vacuum Pump #2 was not sampled because it was shut down due to mechanical problems.
TCE = trichloroethylene

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 June 2002 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.

BR-06

Analyte	MS Value (mg/L)	Recovery (%)	MSD Value (mg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	0.0470	94	0.0545	14.78	70 – 136	21
Chlorobenzene	0.0486	97	0.0522	7.14	70 – 132	25
1,1-Dichloroethylene	0.0472	94	0.0535	12.51	60 – 145	26
Toluene	0.0457	91	0.0527	14.23	69 – 137	22
Trichloroethene	0.0471	94	0.0530	11.79	63 – 149	28
Tetrachloroethene	0.0476	95	0.0561	16.39	60 – 140	24

Note: mg/L = milligrams per liter

OB-07

Analyte	MS Value (mg/L)	Recovery (%)	MSD Value (mg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	0.0512	102	0.0496	3.17	70 – 136	21
Chlorobenzene	0.0499	100	0.0491	1.62	70 – 132	25
1,1-Dichloroethene	0.0492	98	0.0479	2.68	60 – 145	26
Toluene	0.0508	102	0.0496	2.39	69 – 137	22
Trichloroethene	0.0566	99	0.0558	1.42	63 – 149	28
Tetrachloroethene	0.0495	99	0.0494	0.20	60 – 140	24

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

Field duplicate sampling followed the same sampling outline as MS/MSD analysis. One duplicate sample was collected for each set of 20 field samples, resulting in 2 duplicate samples for the June 2002 sampling event. Field duplicate precision is presented in the following tables.

Sample ID	Analyte	Practical Quantitation Limit	Sample Result (µg/L)	Flag	Duplicate Result (µg/L)	Flag	RPD
BR-07	Benzene	2	7.7		7.6		1.31
	cis-1,2-Dichloroethene	2	32.9		31		5.95
	trans-1,2-Dichloroethene	2	14.4		ND		200
	Trichloroethene	2	4.9		4.4		10.75
	Vinyl chloride	2	119		110		7.86
W-5	cis-1,2-Dichloroethene	2	15.7		13.8		12.88
	trans-1,2-Dichloroethene	2	ND		1.7		200
	Trichloroethene	2	155		150		3.28

ND = not detected

Although there is a high RPD for trans-1,2-dichloroethene, the concentrations in these duplicate samples were low. Therefore, the 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 rinsates from decontaminated sampling equipment. Target organic compounds in quality control (QC) samples may represent contamination during sampling or transportation of samples to the laboratory. Compliance with holding time and extraction criteria also assures representativeness of results.

Two field blanks for the June 2002 event were analyzed to characterize the water source used during these sampling events. Potable water was used by the field crews for field blanks. No target VOCs were detected above the reporting limit in either field blank.

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

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

Equipment rinse samples were collected per every 20 production samples, using potable water to rinse field equipment, and analyzed for all target constituents. Two rinsate blanks were collected during the June 2002 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

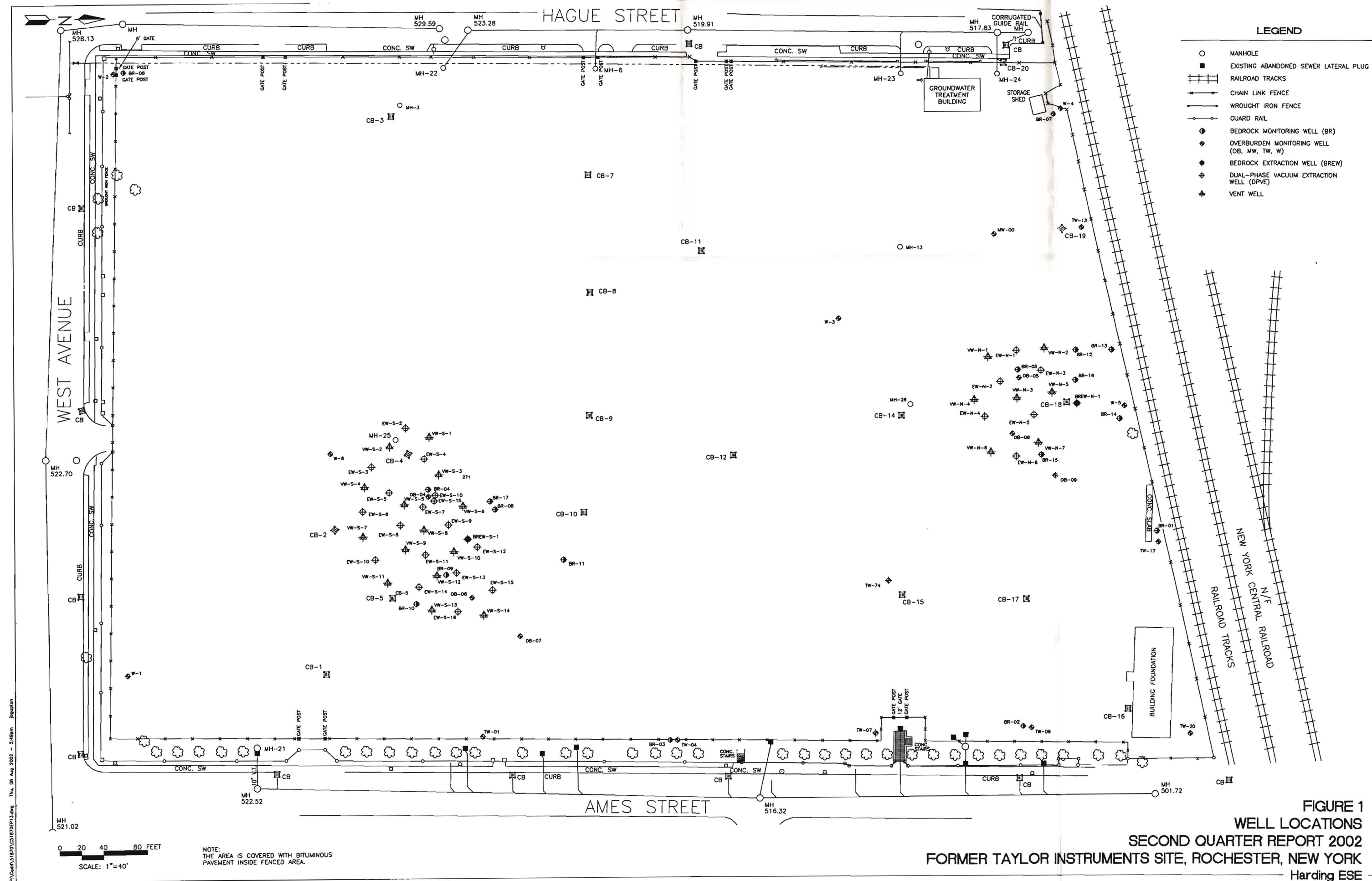
A comparison of analytical data from the 2001 sampling events (Baseline; first quarterly [March], second quarterly [June]; third quarterly [September]; fourth quarterly [December]) and the 2002 sampling events (first quarterly [March] and second quarterly [June]) provides an evaluation of the System performance. The System has been successful in removing VOC contaminants from the subsurface as indicated by the groundwater monitoring data and mass removal quantities. Overall decreases in TCE concentrations have been observed in both the South and North TCE Source Areas. A decrease is also evident in the system influent data. The performance of the System will continue to be tracked through future quarterly sampling events.

6.0 REFERENCES

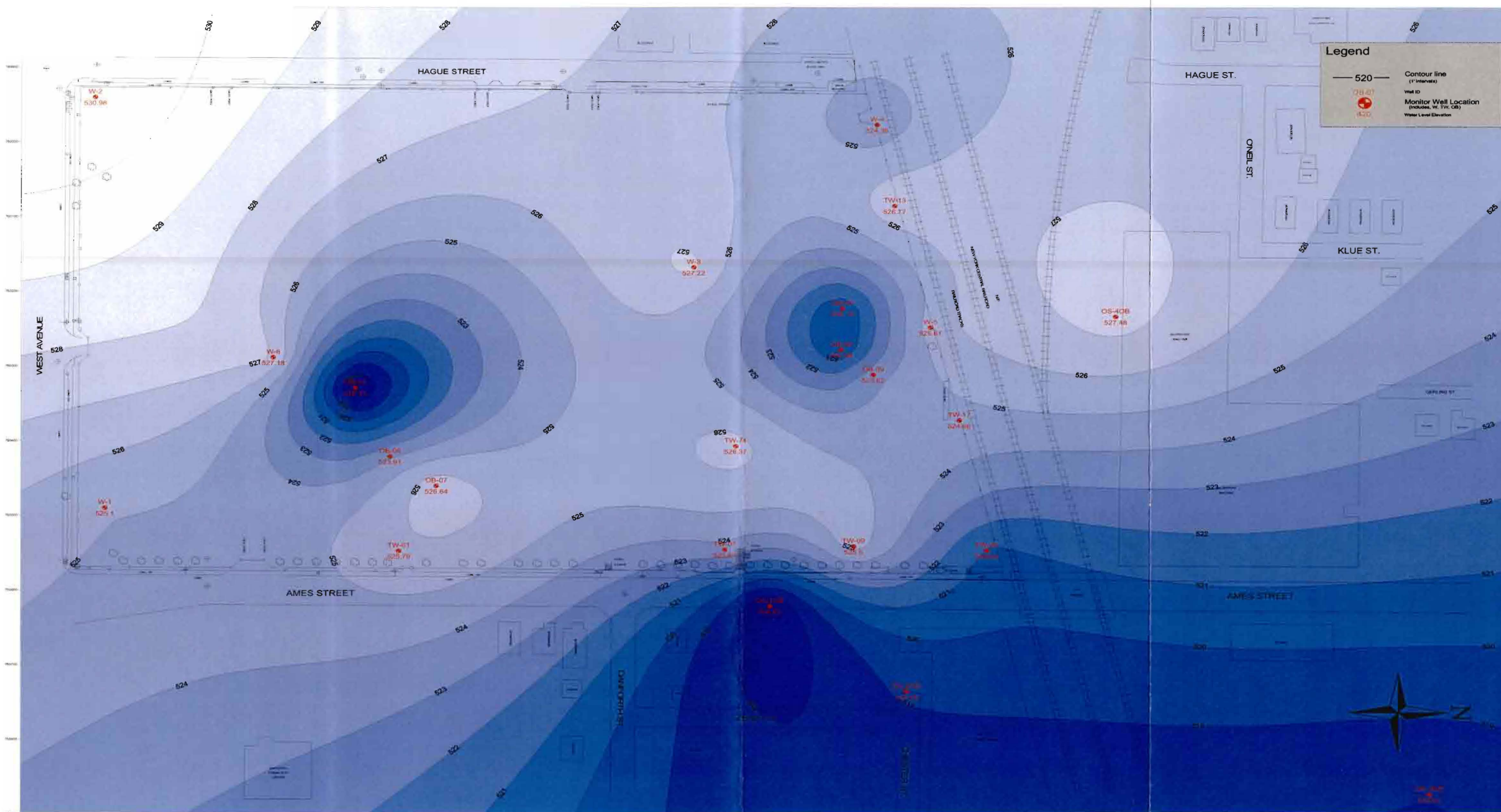
- EPA. 1998. *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water*. EPA/600/R-98/128 (September).
- Harding ESE. 2001. *Quarterly Progress Report, First Quarter 2001, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York*. Prepared for Combustion Engineering, Norwalk, Connecticut (March).
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- Harding ESE. 2002. *Quarterly Progress Report, Fourth Quarter 2001, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York*. Prepared for Combustion Engineering, Norwalk, Connecticut (February).
- Harding ESE. 2002. *Quarterly Progress Report, First Quarter 2002, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York*. Prepared for Combustion Engineering, Norwalk, Connecticut (April).
- NYSDEC. 1997. Voluntary Cleanup Agreement regarding the Taylor Instruments Site, Number B8-0508-97-02 (November).

APPENDIX A

FIGURES

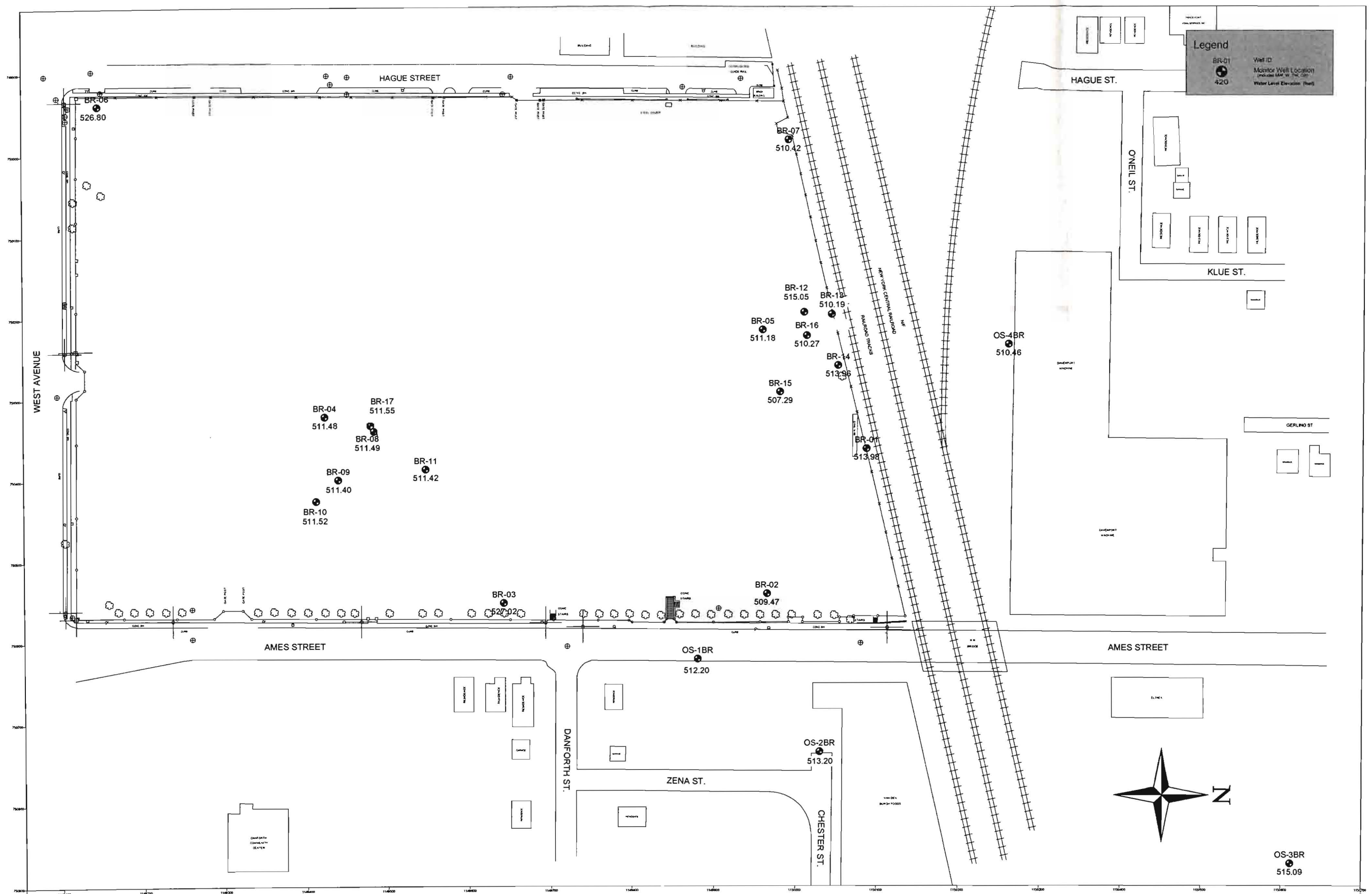






Note: Data for Monitor Wells OS-1OB, OS-2OB, OS-3OB, and OS-4OB was provided by Haley and Aldrich of New York. Data collected on June 4, 2002

FIGURE 4
OVERBURDEN POTENTIOMETRIC SURFACE MAP (JUN 2002)
QUARTERLY REPORT
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK
Harding ESE



Note: Data for Monitor Wells OS-1BR, OS-2BR, OS-3BR, and OS-4BR was provided by Haley and Aldrich of New York. Data collected on June 3, 2002

FIGURE 5
BEDROCK GROUNDWATER ELEVATIONS (JUN 2002)
QUARTERLY REPORT
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK
Harding ESE

Figure 6
Monthly Average Groundwater Flowrates

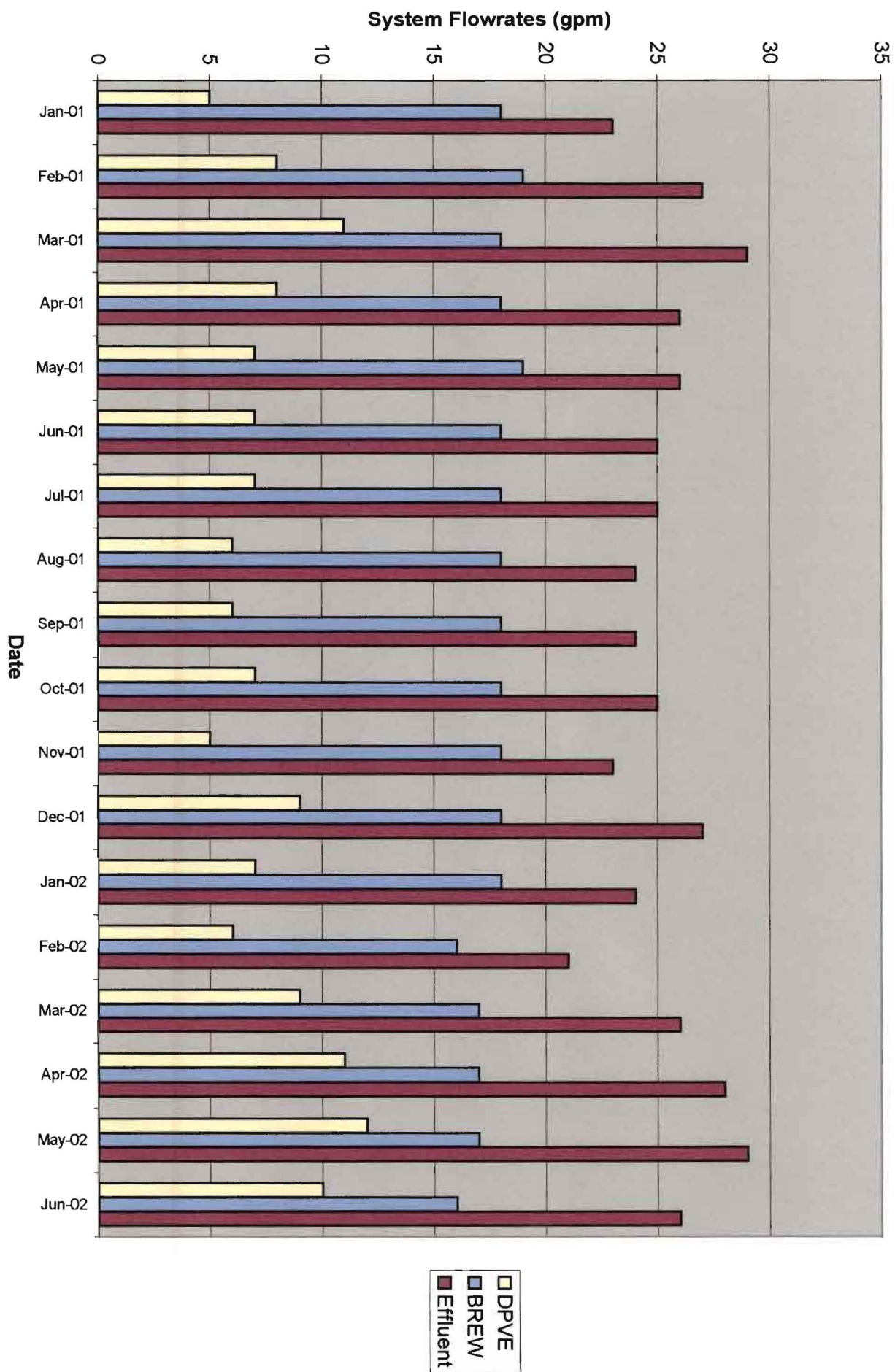
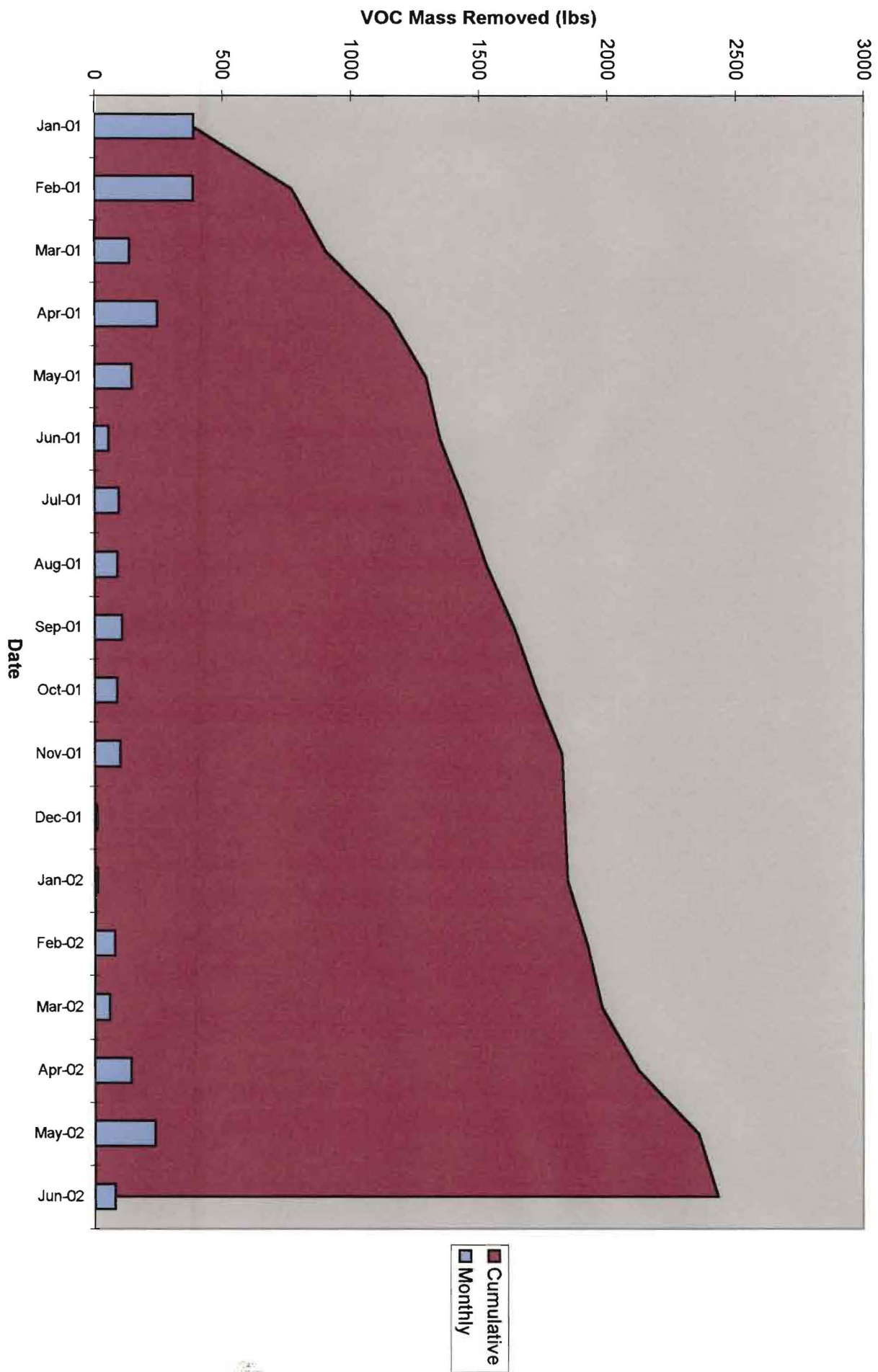


Figure 7
TCE Mass Removed



APPENDIX B

LABORATORY REPORTS

June 4, 2002
Analytical Data

TestAmerica

INCORPORATED

6/12/02

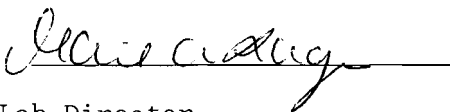
HARDING ESE 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 51870.7 FORMER TAYLOR INSTRUMENT. The Laboratory Project number is 287311. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
-----	-----	-----
QATB01	02-A91210	6/ 4/02
QAFB01	02-A91211	6/ 4/02
QARB01	02-A91212	6/ 4/02
W-2	02-A91213	6/ 4/02
TW-04	02-A91214	6/ 4/02
TW-17	02-A91215	6/ 4/02

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Report Approved By:



Report Date: 6/12/02

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

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

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A91210
 Sample ID: QATB01
 Sample Type: Ground water
 Site ID:

Project: 51870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 4/02
 Time Collected: 0:00
 Date Received: 6/ 5/02
 Time Received: 9:00
 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	6/ 8/02	17:39	M. Taylor	8260B	1917
Benzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Bromobenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Bromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Bromoform	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Bromomethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
2-Butanone	ND	mg/l	0.0500	1	6/ 8/02	17:39	M. Taylor	8260B	1917
n-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
sec-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
t-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Carbon disulfide	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Carbon tetrachloride	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Chlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Chloroethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Chloroform	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Chloromethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
2-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
4-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Dibromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Dibromomethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91210
 Sample ID: QATB01
 Project: 51870.7
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Ethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
2-Hexanone	ND	mg/l	0.0100	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Isopropylbenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Methylene chloride	ND	mg/l	0.0050	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Naphthalene	ND	mg/l	0.0050	1	6/ 8/02	17:39	M. Taylor	8260B	1917
n-Propylbenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Styrene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Tetrachloroethene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Toluene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Trichloroethene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Vinyl chloride	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Xylenes (Total)	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917
Bromodichloromethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91210
Sample ID: QATB01
Project: 51870.7
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/ 8/02	17:39	M. Taylor	8260B	1917

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	60. - 158.
VOA Surr Toluene-d8	101.	82. - 127.
VOA Surr, 4-BFB	105.	72. - 136.
VOA Surr, DBFM	100.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A91211
 Sample ID: QAFB01
 Sample Type: Ground water
 Site ID:

Project: 51870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 4/02
 Time Collected: 11:14
 Date Received: 6/ 5/02
 Time Received: 9:00
 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	6/ 8/02	18:07	M. Taylor	8260B	1917
Benzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Bromobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Bromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Bromoform	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Bromomethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
2-Butanone	ND	mg/l	0.0500	1	6/ 8/02	18:07	M. Taylor	8260B	1917
n-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
sec-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
t-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Carbon disulfide	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Carbon tetrachloride	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Chlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Chloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Chloroform	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Chloromethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
2-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
4-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Dibromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Dibromomethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91211
Sample ID: QAFB01
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Ethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
2-Hexanone	ND	mg/l	0.0100	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Isopropylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Methylene chloride	ND	mg/l	0.0050	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Naphthalene	ND	mg/l	0.0050	1	6/ 8/02	18:07	M. Taylor	8260B	1917
n-Propylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Styrene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Tetrachloroethene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Toluene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Trichloroethene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Vinyl chloride	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Xylenes (Total)	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917
Bromodichloromethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91211
 Sample ID: QAFB01
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/ 8/02	18:07	M. Taylor	8260B	1917

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	60. - 158.
VOA Surr Toluene-d8	100.	82. - 127.
VOA Surr, 4-BFB	106.	72. - 136.
VOA Surr, DBFM	100.	81. - 137.

LABORATORY COMMENTS:

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

ANALYTICAL REPORT

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A91212
 Sample ID: QARB01
 Sample Type: Ground water
 Site ID:

Project: 51870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 4/02
 Time Collected: 11:21
 Date Received: 6/ 5/02
 Time Received: 9:00
 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	6/ 8/02	18:35	M. Taylor	8260B	1917
Benzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Bromobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Bromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Bromoform	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Bromomethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
2-Butanone	ND	mg/l	0.0500	1	6/ 8/02	18:35	M. Taylor	8260B	1917
n-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
sec-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
t-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Carbon disulfide	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Carbon tetrachloride	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Chlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Chloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Chloroform	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Chloromethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
2-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
4-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Dibromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Dibromomethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91212

Sample ID: QARB01

Project: 51870.7

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Ethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
2-Hexanone	ND	mg/l	0.0100	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Isopropylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Methylene chloride	ND	mg/l	0.0050	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Naphthalene	ND	mg/l	0.0050	1	6/ 8/02	18:35	M. Taylor	8260B	1917
n-Propylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Styrene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Tetrachloroethene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Toluene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Trichloroethene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Vinyl chloride	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Xylenes (Total)	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917
Bromodichloromethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91212
 Sample ID: QARB01
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/ 8/02	18:35	M. Taylor	8260B	1917

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	60. - 158.
VOA Surr Toluene-d8	100.	82. - 127.
VOA Surr, 4-BFB	106.	72. - 136.
VOA Surr, DBFM	100.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A91213
 Sample ID: W-2
 Sample Type: Ground water
 Site ID:

Project: 51870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 4/02
 Time Collected: 13:40
 Date Received: 6/ 5/02
 Time Received: 9:00
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS GC PARAMETERS									
Carbon Dioxide	53.9	mg/l	3.0	1	6/ 5/02	4:33	T. Beverly	SM4500C02C	1535
MISCELLANEOUS CHEMISTRY									
Alkalinity as CaCO3	222.	mg/l	5.00	1	6/12/02	16:00	A.Bamarni	310.1	7145
Chloride	22.5	mg/l	1.00	1	6/ 7/02	17:15	A.Bamarni	9251	2959

LABORATORY COMMENTS:

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

id of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A91214
 Sample ID: TW-04
 Sample Type: Ground water
 Site ID:

Project: 51870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 4/02
 Time Collected: 15:24
 Date Received: 6/ 5/02
 Time Received: 9:00
 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	6/ 9/02	20:56	M. Taylor	8260B	1917
Benzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Bromobenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Bromochloromethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Bromoform	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Bromomethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
2-Butanone	ND	mg/l	0.0500	1	6/ 9/02	20:56	M. Taylor	8260B	1917
n-Butylbenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
sec-Butylbenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
t-Butylbenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Carbon disulfide	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Carbon tetrachloride	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Chlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Chloroethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Chloroform	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Chloromethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
2-Chlorotoluene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
4-Chlorotoluene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Dibromochloromethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Dibromomethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91214
Sample ID: TW-04
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Ethylbenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
2-Hexanone	ND	mg/l	0.0100	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Isopropylbenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Methylene chloride	ND	mg/l	0.0050	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Naphthalene	ND	mg/l	0.0050	1	6/ 9/02	20:56	M. Taylor	8260B	1917
n-Propylbenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Styrene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Tetrachloroethene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Toluene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Trichloroethene	0.0207	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Vinyl chloride	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Xylenes (Total)	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
Bromodichloromethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91214
Sample ID: TW-04
Project: 51870.7
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/ 9/02	20:56	M. Taylor	8260B	1917
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	6/11/02	18:07	K. Burritt	RSK175M	5040
Carbon Dioxide	217.	mg/l	3.0	1	6/ 5/02	4:33	T. Beverly	SM4500CO2C	1535
Ethene	ND	mg/L	0.026	1	6/11/02	18:07	K. Burritt	RSK175M	5040
Ethane	ND	mg/L	0.026	1	6/11/02	18:07	K. Burritt	RSK175M	5040
METALS									
Ferrous Iron	0.690	mg/l	0.100	1	6/ 6/02	0:12	D. Hessin	3500D	1531
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	0.100	mg/l	0.100	1	6/ 5/02	19:19	A.Bamarni	353.2	2104
Sulfate	207.	mg/l	10.0	10	6/10/02	10:14	M.Shockley	9038	5850
Alkalinity as CaCO3	287.	mg/l	5.00	1	6/12/02	16:00	A.Bamarni	310.1	7145
Total Organic Carbon	2.39	mg/l	1.00	1	6/ 5/02	16:51	Weatherly	415.1	2046
Sulfide	ND	mg/l	2.000	1	6/ 6/02	11:20	K. McLain	376.1	2088
Chloride	8.12	mg/l	1.00	1	6/ 7/02	17:15	A.Bamarni	9251	2959

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	60. - 158.
VOA Surr Toluene-d8	101.	82. - 127.
VOA Surr, 4-BFB	103.	72. - 136.
VOA Surr, DBFM	100.	81. - 137.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91214
Sample ID: TW-04
Project: 51870.7
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.

- 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

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A91215
 Sample ID: TW-17
 Sample Type: Ground water
 Site ID:

Project: 51870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 4/02
 Time Collected: 17:07
 Date Received: 6/ 5/02
 Time Received: 9:00
 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	6/ 9/02	21:24	M. Taylor	8260B	1917
Benzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	191
Bromobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Bromochloromethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Bromoform	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Bromomethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
2-Butanone	ND	mg/l	0.0500	1	6/ 9/02	21:24	M. Taylor	8260B	1917
n-Butylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
sec-Butylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
t-Butylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Carbon disulfide	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Carbon tetrachloride	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Chlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Chloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Chloroform	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Chloromethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
2-Chlorotoluene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
4-Chlorotoluene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Dibromochloromethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Dibromomethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91215
 Sample ID: TW-17
 Project: 51870.7
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Ethylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
2-Hexanone	ND	mg/l	0.0100	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Isopropylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Methylene chloride	ND	mg/l	0.0050	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Naphthalene	ND	mg/l	0.0050	1	6/ 9/02	21:24	M. Taylor	8260B	1917
n-Propylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Styrene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Tetrachloroethene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Toluene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Trichloroethene	0.393	mg/l	0.0200	10	6/10/02	20:44	M. Taylor	8260B	6301
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Vinyl chloride	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Xylenes (Total)	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
Bromodichloromethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91215
Sample ID: TW-17
Project: 51870.7
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Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/ 9/02	21:24	M. Taylor	8260B	1917
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	6/11/02	15:55	K. Burritt	RSK175M	5040
Carbon Dioxide	186.	mg/l	3.0	1	6/ 5/02	4:33	T. Beverly	SM4500CO2C	1535
Ethene	ND	mg/L	0.026	1	6/11/02	15:55	K. Burritt	RSK175M	5040
Ethane	ND	mg/L	0.026	1	6/11/02	15:55	K. Burritt	RSK175M	5040
METALS									
Ferrous Iron	0.105	mg/l	0.100	1	6/ 6/02	0:12	D. Hessin	3500D	1531
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1	6/ 5/02	19:22	A.Bamarni	353.2	2104
Sulfate	103.	mg/l	5.00	5	6/10/02	10:14	M.Shockley	9038	5850
Alkalinity as CaCO3	303.	mg/l	5.00	1	6/12/02	16:00	A.Bamarni	310.1	7145
Total Organic Carbon	ND	mg/l	1.00	1	6/ 5/02	16:51	Weatherly	415.1	2046
Sulfide	ND	mg/l	2.000	1	6/ 6/02	11:20	K. McLain	376.1	2088
Chloride	17.7	mg/l	1.00	1	6/ 7/02	17:15	A.Bamarni	9251	2959

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	60. - 158.
VOA Surr Toluene-d8	102.	82. - 127.
VOA Surr, 4-BFB	106.	72. - 136.
VOA Surr, DBFM	97.	81. - 137.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A91215
Sample ID: TW-17
Project: 51870.7
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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.

- 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: 51870.7
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Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS								
Benzene	mg/l	< 0.0007	0.0485	0.0500	97	70. - 136.	1917	blank
Chlorobenzene	mg/l	< 0.0007	0.0479	0.0500	96	70. - 132.	1917	blank
1,1-Dichloroethene	mg/l	< 0.0008	0.0490	0.0500	98	60. - 145.	1917	blank
Toluene	mg/l	< 0.0007	0.0488	0.0500	98	69. - 137.	1917	blank
Trichloroethene	mg/l	< 0.0009	0.0496	0.0500	99	63. - 149.	1917	blank
Tetrachloroethene	mg/l	< 0.0008	0.0507	0.0500	101	60. - 140.	1917	blai
VOA Surr 1,2-DCA-d4	% Rec				96	60. - 158.	1917	
VOA Surr Toluene-d8	% Rec				101	82. - 127.	1917	
VOA Surr, 4-BFB	% Rec				96	72. - 136.	1917	
VOA Surr, DBFM	% Rec				101	81. - 137.	1917	

Matrix Spike Recovery

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	8.20	7.50	108	80 - 120	2104	02-A91214
Nitrate-N as N	mg/l	0.100	8.20	7.50	108	80 - 120	2104	02-A91214
Sulfate	mg/l	6.50	25.9	20.0	97	80 - 120	5850	02-A92057
Total Organic Carbon	mg/l	2.04	21.9	20.0	99	80 - 120	2046	02-A91587
Sulfide	mg/l	< 2.000	20.10	19.80	102	80 - 120	2088	02-A90496
Chloride	mg/l	2.24	15.2	12.5	104	80 - 120	2959	02-A91183

Matrix Spike Recovery

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

MISC PARAMETERS

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
Page: 2

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
Methane	mg/L	< 0.026	1.30	1.33	98	40 - 140	5040	02-A91214
Methane	mg/L	< 0.026	1.40	1.33	105	40 - 140	5040	02-A91214
Ethene	mg/L	< 0.026	2.10	2.32	91	40 - 140	5040	02-A91214
Ethene	mg/L	< 0.026	2.10	2.32	91	40 - 140	5040	02-A91214
Ethane	mg/L	< 0.026	2.30	2.50	92	40 - 140	5040	02-A91214
Ethane	mg/L	< 0.026	2.40	2.50	96	40 - 140	5040	02-A91214

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0485	0.0504	3.84	21.	1917
Chlorobenzene	mg/l	0.0479	0.0498	3.89	25.	1917
1,1-Dichloroethene	mg/l	0.0490	0.0506	3.21	26.	1917
Toluene	mg/l	0.0488	0.0511	4.60	22.	1917
Trichloroethene	mg/l	0.0496	0.0515	3.76	28.	1917
Tetrachloroethene	mg/l	0.0507	0.0530	4.44	24.	1917
VOA Surr 1,2-DCA-d4	% Rec		95.			1917
VOA Surr Toluene-d8	% Rec		101.			1917
VOA Surr, 4-BFB	% Rec		95.			1917
VOA Surr, DBFM	% Rec		101.			1917

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
MISC PARAMETERS						
Methane	mg/L	1.30	1.40	7.41	50	5040
Ethene	mg/L	2.10	2.10	0.00	50	5040

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
Ethane	mg/L	2.30	2.40	4.26	50	5040

Matrix Spike Duplicate

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

****MISC PARAMETERS****

Nitrate-N as N	mg/l	8.20	8.20	0.00	20	2104
Sulfate	mg/l	25.9	25.9	0.00	20	5850
Total Organic Carbon	mg/l	21.9	22.0	0.46	20	2046
Sulfide	mg/l	20.10	20.00	0.50	20	2088
Chloride	mg/l	15.2	15.3	0.66	20	2959

Laboratory Control Data

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

****VOA PARAMETERS****

Acetone	mg/l	0.250	0.252	101	54 - 153	1917
Benzene	mg/l	0.0500	0.0509	102	79 - 124	1917
Bromobenzene	mg/l	0.0500	0.0510	102	76 - 122	1917
Bromochloromethane	mg/l	0.0500	0.0519	104	71 - 134	1917
Bromoform	mg/l	0.0500	0.0478	96	66 - 124	1917
Bromomethane	mg/l	0.0500	0.0460	92	51 - 145	1917
2-Butanone	mg/l	0.250	0.270	108	62 - 134	1917
n-Butylbenzene	mg/l	0.0500	0.0537	107	61 - 136	1917
sec-Butylbenzene	mg/l	0.0500	0.0543	109	69 - 130	1917
t-Butylbenzene	mg/l	0.0500	0.0529	106	66 - 129	1917
Carbon disulfide	mg/l	0.0500	0.0490	98	71 - 129	1917
Carbon tetrachloride	mg/l	0.0500	0.0578	116	70 - 130	1917
Chlorobenzene	mg/l	0.0500	0.0504	101	80 - 118	1917

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Chloroethane	mg/l	0.0500	0.0399	80	59 - 144	1917
Chloroform	mg/l	0.0500	0.0505	101	74 - 123	1917
Chloromethane	mg/l	0.0500	0.0410	82	47 - 155	1917
2-Chlorotoluene	mg/l	0.0500	0.0505	101	74 - 126	1917
4-Chlorotoluene	mg/l	0.0500	0.0514	103	75 - 125	1917
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0683	137 #	58 - 133	1917
Dibromochloromethane	mg/l	0.0500	0.0547	109	73 - 125	1917
1,2-Dibromoethane	mg/l	0.0500	0.0529	106	74 - 125	1917
Dibromomethane	mg/l	0.0500	0.0520	104	71 - 130	1917
1,2-Dichlorobenzene	mg/l	0.0500	0.0516	103	76 - 122	1917
1,3-Dichlorobenzene	mg/l	0.0500	0.0528	106	75 - 122	1917
1,4-Dichlorobenzene	mg/l	0.0500	0.0518	104	76 - 119	1917
Dichlorodifluoromethane	mg/l	0.0500	0.0433	87	53 - 151	1917
1,1-Dichloroethane	mg/l	0.0500	0.0490	98	76 - 127	1917
1,2-Dichloroethane	mg/l	0.0500	0.0492	98	66 - 133	1917
1,1-Dichloroethene	mg/l	0.0500	0.0500	100	72 - 127	1917
cis-1,2-Dichloroethene	mg/l	0.0500	0.0505	101	74 - 127	1917
trans-1,2-Dichloroethene	mg/l	0.0500	0.0503	101	70 - 132	1917
1,2-Dichloropropane	mg/l	0.0500	0.0512	102	76 - 124	1917
1,3-Dichloropropane	mg/l	0.0500	0.0512	102	72 - 129	1917
2,2-Dichloropropane	mg/l	0.0500	0.0596	119	33 - 152	1917
1,1-Dichloropropene	mg/l	0.0500	0.0525	105	73 - 127	1917
cis-1,3-Dichloropropene	mg/l	0.0500	0.0549	110	58 - 131	1917
trans-1,3-Dichloropropene	mg/l	0.0500	0.0506	101	53 - 133	1917
Ethylbenzene	mg/l	0.0500	0.0515	103	77 - 126	1917
Hexachlorobutadiene	mg/l	0.0500	0.0526	105	52 - 139	1917
2-Hexanone	mg/l	0.250	0.272	109	61 - 136	1917
Isopropylbenzene	mg/l	0.0500	0.0530	106	74 - 127	1917
4-Isopropyltoluene	mg/l	0.0500	0.0531	106	69 - 113	1917
4-Methyl-2-pentanone	mg/l	0.250	0.273	109	63 - 135	1917
Methylene chloride	mg/l	0.0500	0.0534	107	70 - 130	1917
Naphthalene	mg/l	0.0500	0.0571	114	57 - 143	1917
n-Propylbenzene	mg/l	0.0500	0.0523	105	71 - 130	1917

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
Styrene	mg/l	0.0500	0.0544	109	77 - 122	1917
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0554	111	71 - 130	1917
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0515	103	57 - 136	1917
Tetrachloroethene	mg/l	0.0500	0.0527	105	72 - 126	1917
Toluene	mg/l	0.0500	0.0511	102	78 - 124	1917
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0566	113	58 - 139	1917
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0684	137 #	60 - 132	1917
1,1,1-Trichloroethane	mg/l	0.0500	0.0520	104	70 - 130	1917
1,1,2-Trichloroethane	mg/l	0.0500	0.0512	102	75 - 124	1917
Trichloroethene	mg/l	0.0500	0.0512	102	70 - 136	1917
Trichloroethene	mg/l	0.0500	0.0520	104	70 - 136	6301
1,2,3-Trichloropropane	mg/l	0.0500	0.0540	108	63 - 132	1917
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0524	105	73 - 127	1917
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0536	107	72 - 128	1917
Vinyl chloride	mg/l	0.0500	0.0422	84	62 - 144	1917
Xylenes (Total)	mg/l	0.150	0.155	103	76 - 127	1917
Bromodichloromethane	mg/l	0.0500	0.0525	105	69 - 130	1917
Trichlorofluoromethane	mg/l	0.0500	0.0425	85	64 - 136	1917
Methane	mg/L	1.33	1.30	98	82 - 121	5040
Ethene	mg/L	2.32	2.20	95	83 - 120	5040
Ethane	mg/L	2.50	2.40	96	80 - 120	5040
VOA Surr 1,2-DCA-d4	% Rec			95	60 - 158	1917
VOA Surr 1,2-DCA-d4	% Rec			96	60 - 158	6301
VOA Surr Toluene-d8	% Rec			100	82 - 127	1917
VOA Surr Toluene-d8	% Rec			103	82 - 127	6301
VOA Surr, 4-BFB	% Rec			97	72 - 136	1917
VOA Surr, 4-BFB	% Rec			97	72 - 136	6301
VOA Surr, DBFM	% Rec			99	81 - 137	1917
VOA Surr, DBFM	% Rec			100	81 - 137	6301

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Methane	mg/L	1.33	1.30	98	82 - 121	5040
Ethene	mg/L	2.32	2.20	95	83 - 120	5040
Ethane	mg/L	2.50	2.40	96	80 - 120	5040

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	5.70	104	90 - 110	2104
Sulfate	mg/l	25.0	24.0	96	90 - 110	5850
Total Organic Carbon	mg/l	200.	190.	95	90 - 110	2046
Sulfide	mg/l	19.80	20.00	101	90 - 110	2088
Chloride	mg/l	10.0	9.97	100	90 - 110	2959

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.	2104	02-A91441
Sulfate	mg/l	< 1.00	< 1.00	N/A	15.	5850	02-A92107
Chloride	mg/l	8.89	8.69	2.28	15.	2959	02-A92118

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
VOA PARAMETERS					
Acetone	< 0.0084	mg/l	1917	6/ 8/02	22:44
Benzene	< 0.0007	mg/l	1917	6/ 8/02	22:44

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
Bromobenzene	< 0.0007	mg/l	1917	6/ 8/02	22:44
Bromochloromethane	< 0.0006	mg/l	1917	6/ 8/02	22:44
Bromoform	< 0.0007	mg/l	1917	6/ 8/02	22:44
Bromomethane	< 0.0008	mg/l	1917	6/ 8/02	22:44
2-Butanone	< 0.0039	mg/l	1917	6/ 8/02	22:44
n-Butylbenzene	< 0.0007	mg/l	1917	6/ 8/02	22:44
sec-Butylbenzene	< 0.0008	mg/l	1917	6/ 8/02	22:44
t-Butylbenzene	< 0.0009	mg/l	1917	6/ 8/02	22:44
Carbon disulfide	< 0.0008	mg/l	1917	6/ 8/02	22:44
Carbon tetrachloride	< 0.0007	mg/l	1917	6/ 8/02	22:44
Chlorobenzene	< 0.0007	mg/l	1917	6/ 8/02	22:44
Chloroethane	< 0.0009	mg/l	1917	6/ 8/02	22:44
Chloroform	< 0.0006	mg/l	1917	6/ 8/02	22:44
Chloromethane	< 0.0005	mg/l	1917	6/ 8/02	22:44
2-Chlorotoluene	< 0.0007	mg/l	1917	6/ 8/02	22:44
4-Chlorotoluene	< 0.0006	mg/l	1917	6/ 8/02	22:44
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	1917	6/ 8/02	22:44
Dibromochloromethane	< 0.0004	mg/l	1917	6/ 8/02	22:44
1,2-Dibromoethane	< 0.0005	mg/l	1917	6/ 8/02	22:44
Dibromomethane	< 0.0004	mg/l	1917	6/ 8/02	22:44
1,2-Dichlorobenzene	< 0.0005	mg/l	1917	6/ 8/02	22:44
1,3-Dichlorobenzene	< 0.0006	mg/l	1917	6/ 8/02	22:44
1,4-Dichlorobenzene	< 0.0005	mg/l	1917	6/ 8/02	22:44
Dichlorodifluoromethane	< 0.0004	mg/l	1917	6/ 8/02	22:44
1,1-Dichloroethane	< 0.0008	mg/l	1917	6/ 8/02	22:44
1,2-Dichloroethane	< 0.0009	mg/l	1917	6/ 8/02	22:44
1,1-Dichloroethene	< 0.0008	mg/l	1917	6/ 8/02	22:44
cis-1,2-Dichloroethene	< 0.0007	mg/l	1917	6/ 8/02	22:44
trans-1,2-Dichloroethene	< 0.0008	mg/l	1917	6/ 8/02	22:44
1,2-Dichloropropane	< 0.0006	mg/l	1917	6/ 8/02	22:44
1,3-Dichloropropane	< 0.0006	mg/l	1917	6/ 8/02	22:44
2,2-Dichloropropane	< 0.0009	mg/l	1917	6/ 8/02	22:44
1,1-Dichloropropene	< 0.0007	mg/l	1917	6/ 8/02	22:44

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
cis-1,3-Dichloropropene	< 0.0007	mg/l	1917	6/ 8/02	22:44
trans-1,3-Dichloropropene	< 0.0005	mg/l	1917	6/ 8/02	22:44
Ethylbenzene	< 0.0007	mg/l	1917	6/ 8/02	22:44
Hexachlorobutadiene	< 0.0008	mg/l	1917	6/ 8/02	22:44
2-Hexanone	< 0.0028	mg/l	1917	6/ 8/02	22:44
Isopropylbenzene	< 0.0008	mg/l	1917	6/ 8/02	22:44
4-Isopropyltoluene	< 0.0008	mg/l	1917	6/ 8/02	22:44
4-Methyl-2-pentanone	< 0.0046	mg/l	1917	6/ 8/02	22:44
Methylene chloride	< 0.0015	mg/l	1917	6/ 8/02	22:44
Naphthalene	< 0.0019	mg/l	1917	6/ 8/02	22:44
n-Propylbenzene	< 0.0008	mg/l	1917	6/ 8/02	22:44
Styrene	< 0.0009	mg/l	1917	6/ 8/02	22:44
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	1917	6/ 8/02	22:44
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	1917	6/ 8/02	22:44
Tetrachloroethene	< 0.0008	mg/l	1917	6/ 8/02	22:44
Toluene	< 0.0007	mg/l	1917	6/ 8/02	22:44
1,2,3-Trichlorobenzene	< 0.0006	mg/l	1917	6/ 8/02	22:44
1,2,4-Trichlorobenzene	< 0.0009	mg/l	1917	6/ 8/02	22:44
1,1,1-Trichloroethane	< 0.0007	mg/l	1917	6/ 8/02	22:44
1,1,2-Trichloroethane	< 0.0005	mg/l	1917	6/ 8/02	22:44
Trichloroethene	< 0.0009	mg/l	1917	6/ 8/02	22:44
Trichloroethene	< 0.0009	mg/l	6301	6/10/02	13:19
1,2,3-Trichloropropane	< 0.0004	mg/l	1917	6/ 8/02	22:44
1,2,4-Trimethylbenzene	< 0.0006	mg/l	1917	6/ 8/02	22:44
1,3,5-Trimethylbenzene	< 0.0008	mg/l	1917	6/ 8/02	22:44
Vinyl chloride	< 0.0005	mg/l	1917	6/ 8/02	22:44
Xylenes (Total)	< 0.0009	mg/l	1917	6/ 8/02	22:44
Bromodichloromethane	< 0.0008	mg/l	1917	6/ 8/02	22:44
Trichlorofluoromethane	< 0.0007	mg/l	1917	6/ 8/02	22:44

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

Page: 9

VOA Surr 1,2-DCA-d4	99.	% Rec	1917	6/ 8/02	22:44
VOA Surr 1,2-DCA-d4	98.	% Rec	6301	6/10/02	13:19
VOA Surr Toluene-d8	101.	% Rec	1917	6/ 8/02	22:44
VOA Surr Toluene-d8	101.	% Rec	6301	6/10/02	13:19
VOA Surr, 4-BFB	104.	% Rec	1917	6/ 8/02	22:44
VOA Surr, 4-BFB	105.	% Rec	6301	6/10/02	13:19
VOA Surr, DBFM	100.	% Rec	1917	6/ 8/02	22:44
VOA Surr, DBFM	100.	% Rec	6301	6/10/02	13:19

Blank Data

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

MISC PARAMETERS

Nitrate-N as N	< 0.100	mg/l	2104	6/ 5/02	19:15
Sulfate	< 1.00	mg/l	5850	6/10/02	10:14
Total Organic Carbon	< 1.00	mg/l	2046	6/ 5/02	16:51
Sulfide	< 2.000	mg/l	2088	6/ 6/02	11:20
Chloride	< 1.00	mg/l	2959	6/ 7/02	17:15

Blank Data

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

MISC PARAMETERS

Methane	< 0.026	mg/L	5040	6/11/02	14:59
Ethene	< 0.026	mg/L	5040	6/11/02	14:59
Ethane	< 0.026	mg/L	5040	6/11/02	14:59

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 287311

June 5, 2002
Analytical Data

TestAmerica

INCORPORATED

6/13/02

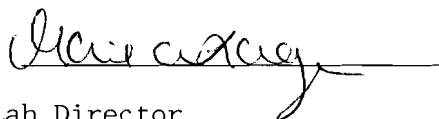
HARDING ESE 4997
RICK RYAN
1400 CENTERPOINT BLVD, STE. 158
KNOXVILLE, TN 37932-1968

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 51870.7 FORMER TAYLOR INSTRUMENT. The Laboratory Project number is 287538. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
TW-20	02-A92115	6/ 5/02
TW-07	02-A92116	6/ 5/02
TW-09	02-A92117	6/ 5/02
OB-09	02-A92118	6/ 5/02

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

Report Approved By:



Report Date: 6/13/02

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

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

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A92115
 Sample ID: TW-20
 Sample Type: Ground water
 Site ID:

Project: 51870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 5/02
 Time Collected: 9:14
 Date Received: 6/ 6/02
 Time Received: 9:00
 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	6/ 9/02	21:37	C. Wani	8260B	5054
Benzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Bromobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Bromochloromethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Bromoform	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Bromomethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
2-Butanone	ND	mg/l	0.0500	1	6/ 9/02	21:37	C. Wani	8260B	5054
n-Butylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
sec-Butylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
t-Butylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Carbon disulfide	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Carbon tetrachloride	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Chlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Chloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Chloroform	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Chloromethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
2-Chlorotoluene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
4-Chlorotoluene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/ 9/02	21:37	C. Wani	8260B	5054
Dibromochloromethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Dibromomethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92115

Sample ID: TW-20

Project: 51870.7

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Ethylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
2-Hexanone	ND	mg/l	0.0100	1	6/ 9/02	21:37	C. Wani	8260B	5054
Isopropylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/ 9/02	21:37	C. Wani	8260B	5054
Methylene chloride	ND	mg/l	0.0050	1	6/ 9/02	21:37	C. Wani	8260B	5054
Naphthalene	ND	mg/l	0.0050	1	6/ 9/02	21:37	C. Wani	8260B	5054
n-Propylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Styrene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Tetrachloroethene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Toluene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Trichloroethene	0.0027	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Vinyl chloride	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Xylenes (Total)	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
Bromodichloromethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92115
 Sample ID: TW-20
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/ 9/02	21:37	C. Wani	8260B	5054
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	6/11/02	16:48	K. Burritt	RSK175M	5040
Carbon Dioxide	13.2	mg/l	3.0	1	6/ 7/02	4:34	T. Beverly	SM4500C02C	3425
Ethene	ND	mg/L	0.026	1	6/11/02	16:48	K. Burritt	RSK175M	5040
Ethane	ND	mg/L	0.026	1	6/11/02	16:48	K. Burritt	RSK175M	5040
METALS									
Ferrous Iron	ND	mg/l	0.100	1	6/ 7/02	17:24	D. Hessin	3500D	2487
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	3.74	mg/l	0.100	1	6/ 6/02	17:33	A.Bamarni	353.2	2479
Sulfate	61.8	mg/l	2.00	2	6/12/02	10:13	M.Shockley	9038	6857
Alkalinity as CaCO3	335.	mg/l	5.00	1	6/13/02	13:32	D. Hessin	310.1	7665
Total Organic Carbon	ND	mg/l	1.00	1	6/ 6/02	16:44	Weatherly	415.1	2727
Sulfide	ND	mg/l	2.000	1	6/ 7/02	19:00	S. Prayter	376.1	3923
Chloride	16.2	mg/l	1.00	1	6/ 7/02	17:15	A.Bamarni	9251	2959

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	122.	60. - 158.
VOA Surr Toluene-d8	106.	82. - 127.
VOA Surr, 4-BFB	102.	72. - 136.
VOA Surr, DBFM	117.	81. - 137.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92115
Sample ID: TW-20
Project: 51870.7
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.
- 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

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A92116
 Sample ID: TW-07
 Sample Type: Ground water
 Site ID:

Project: 51870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 5/02
 Time Collected: 10:38
 Date Received: 6/ 6/02
 Time Received: 9:00
 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	6/ 8/02	12:00	M. Taylor	8260B	3117
Benzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Bromobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Bromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Bromoform	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Bromomethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
2-Butanone	ND	mg/l	0.0500	1	6/ 8/02	12:00	M. Taylor	8260B	3117
n-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
sec-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
t-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Carbon disulfide	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Carbon tetrachloride	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Chlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Chloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Chloroform	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Chloromethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
2-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
4-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Dibromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Dibromomethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92116
 Sample ID: TW-07
 Project: 51870.7
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Ethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
2-Hexanone	ND	mg/l	0.0100	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Isopropylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Methylene chloride	ND	mg/l	0.0050	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Naphthalene	ND	mg/l	0.0050	1	6/ 8/02	12:00	M. Taylor	8260B	3117
n-Propylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Styrene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Tetrachloroethene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Toluene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Trichloroethene	0.0050	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Vinyl chloride	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Xylenes (Total)	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
Bromodichloromethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92116
 Sample ID: TW-07
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/ 8/02	12:00	M. Taylor	8260B	3117
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	6/11/02	16:55	K. Burritt	RSK175M	5040
Carbon Dioxide	104.	mg/l	3.0	1	6/ 7/02	4:34	T. Beverly	SM4500C02C	3425
Ethene	ND	mg/L	0.026	1	6/11/02	16:55	K. Burritt	RSK175M	5040
Ethane	ND	mg/L	0.026	1	6/11/02	16:55	K. Burritt	RSK175M	5040
METALS									
Ferrous Iron	0.534	mg/l	0.100	1	6/ 7/02	17:24	D. Hessin	3500D	2487
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	38.0	mg/l	0.500	5	6/ 6/02	17:47	A.Bamarni	353.2	2479
Sulfate	319.	mg/l	10.0	10	6/12/02	10:13	M.Shockley	9038	6857
Alkalinity as CaCO3	331.	mg/l	5.00	1	6/13/02	13:32	D. Hessin	310.1	7665
Total Organic Carbon	3.03	mg/l	1.00	1	6/ 6/02	16:44	Weatherly	415.1	2727
Sulfide	ND	mg/l	2.000	1	6/ 7/02	19:00	S. Prayter	376.1	3923
Chloride	46.2	mg/l	2.00	2	6/ 7/02	22:51	A.Bamarni	9251	2959

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	60. - 158.
VOA Surr Toluene-d8	100.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	98.	81. - 137.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92116
Sample ID: TW-07
Project: 51870.7
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.

- 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

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A92117
 Sample ID: TW-09
 Sample Type: Ground water
 Site ID:

Project: 51870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 5/02
 Time Collected: 13:51
 Date Received: 6/ 6/02
 Time Received: 9:00
 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	6/ 8/02	12:28	M. Taylor	8260B	3117
Benzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Bromobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Bromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Bromoform	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Bromomethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
2-Butanone	ND	mg/l	0.0500	1	6/ 8/02	12:28	M. Taylor	8260B	3117
n-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
sec-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
t-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Carbon disulfide	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Carbon tetrachloride	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Chlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Chloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Chloroform	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Chloromethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
2-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
4-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Dibromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Dibromomethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92117
 Sample ID: TW-09
 Project: 51870.7
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Ethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
2-Hexanone	ND	mg/l	0.0100	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Isopropylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Methylene chloride	ND	mg/l	0.0050	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Naphthalene	ND	mg/l	0.0050	1	6/ 8/02	12:28	M. Taylor	8260B	3117
n-Propylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Styrene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Tetrachloroethene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Toluene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Trichloroethene	0.0365	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Vinyl chloride	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Xylenes (Total)	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
Bromodichloromethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92117
Sample ID: TW-09
Project: 51870.7
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/ 8/02	12:28	M. Taylor	8260B	3117
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	6/11/02	17:01	K. Burritt	RSK175M	5040
Carbon Dioxide	36.8	mg/l	3.0	1	6/ 7/02	4:34	T. Beverly	SM4500C02C	3425
Ethene	ND	mg/L	0.026	1	6/11/02	17:01	K. Burritt	RSK175M	5040
Ethane	ND	mg/L	0.026	1	6/11/02	17:01	K. Burritt	RSK175M	5040
METALS									
Ferrous Iron	0.156	mg/l	0.100	1	6/ 7/02	17:24	D. Hessin	3500D	2487
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	1.44	mg/l	0.100	1	6/ 6/02	17:35	A.Bamarni	353.2	2479
Sulfate	270.	mg/l	10.0	10	6/12/02	10:13	M.Shockley	9038	6857
Alkalinity as CaCO3	165.	mg/l	5.00	1	6/13/02	13:32	D. Hessin	310.1	7665
Total Organic Carbon	ND	mg/l	1.00	1	6/ 6/02	16:44	Weatherly	415.1	2727
Sulfide	ND	mg/l	2.000	1	6/ 7/02	19:00	S. Prayter	376.1	3923
Chloride	6.50	mg/l	1.00	1	6/ 7/02	17:15	A.Bamarni	9251	2959

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	97.	60. - 158.
VOA Surr Toluene-d8	101.	82. - 127.
VOA Surr, 4-BFB	105.	72. - 136.
VOA Surr, DBFM	101.	81. - 137.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92117
Sample ID: TW-09
Project: 51870.7
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.

- 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

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD,STE.158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A92118
 Sample ID: OB-09
 Sample Type: Ground water
 Site ID:

Project: 51870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 5/02
 Time Collected: 15:33
 Date Received: 6/ 6/02
 Time Received: 9:00
 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	6/ 8/02	13:01	M. Taylor	8260B	3117
Benzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	311
Bromobenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Bromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Bromoform	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Bromomethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
2-Butanone	ND	mg/l	0.0500	1	6/ 8/02	13:01	M. Taylor	8260B	3117
n-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
sec-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
t-Butylbenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Carbon disulfide	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Carbon tetrachloride	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Chlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Chloroethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Chloroform	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Chloromethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
2-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
4-Chlorotoluene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Dibromochloromethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Dibromomethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92118
Sample ID: OB-09
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
cis-1,2-Dichloroethene	0.0074	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Ethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
2-Hexanone	ND	mg/l	0.0100	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Isopropylbenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Methylene chloride	ND	mg/l	0.0050	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Naphthalene	ND	mg/l	0.0050	1	6/ 8/02	13:01	M. Taylor	8260B	3117
n-Propylbenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Styrene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Tetrachloroethene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Toluene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Trichloroethene	0.0860	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Vinyl chloride	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Xylenes (Total)	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
Bromodichloromethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92118
 Sample ID: OB-09
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/ 8/02	13:01	M. Taylor	8260B	3117
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	6/11/02	17:08	K. Burritt	RSK175M	5040
Carbon Dioxide	25.7	mg/l	3.0	1	6/ 7/02	4:34	T. Beverly	SM4500C02C	3425
Ethene	ND	mg/L	0.026	1	6/11/02	17:08	K. Burritt	RSK175M	5040
Ethane	ND	mg/L	0.026	1	6/11/02	17:08	K. Burritt	RSK175M	5040
METALS									
Ferrous Iron	0.226	mg/l	0.100	1	6/ 7/02	17:24	D. Hessin	3500D	2487
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	3.58	mg/l	0.100	1	6/ 6/02	17:14	A.Bamarni	353.2	2957
Sulfate	297.	mg/l	10.0	10	6/12/02	10:13	M.Shockley	9038	6857
Alkalinity as CaCO3	233.	mg/l	5.00	1	6/13/02	13:32	D. Hessin	310.1	7665
Total Organic Carbon	1.19	mg/l	1.00	1	6/ 6/02	16:44	Weatherly	415.1	2727
Sulfide	ND	mg/l	2.000	1	6/ 7/02	19:00	S. Prayter	376.1	3923
Chloride	8.89	mg/l	1.00	1	6/ 7/02	17:15	A.Bamarni	9251	2959

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	99.	60. - 158.
VOA Surr Toluene-d8	100.	82. - 127.
VOA Surr, 4-BFB	108.	72. - 136.
VOA Surr, DBFM	100.	81. - 137.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92118
Sample ID: OB-09
Project: 51870.7
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.

- 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: 51870.7
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Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS								
Benzene	mg/l	< 0.0007	0.0513	0.0500	103	70. - 136.	3117	02A-89574
Benzene	mg/l	< 0.0007	0.0474	0.0500	95	70. - 136.	5054	blank
Chlorobenzene	mg/l	< 0.0007	0.0493	0.0500	99	70. - 132.	3117	02A89574
Chlorobenzene	mg/l	< 0.0007	0.0486	0.0500	97	70. - 132.	5054	blank
1,1-Dichloroethene	mg/l	< 0.0008	0.0496	0.0500	99	60. - 145.	3117	02A89574
1,1-Dichloroethene	mg/l	< 0.0008	0.0466	0.0500	93	60. - 145.	5054	bla
Toluene	mg/l	< 0.0007	0.0507	0.0500	101	69. - 137.	3117	02A89574
Toluene	mg/l	< 0.0007	0.0495	0.0500	99	69. - 137.	5054	blank
Trichloroethene	mg/l	< 0.0009	0.0512	0.0500	102	63. - 149.	3117	02A89574
Trichloroethene	mg/l	< 0.0009	0.0516	0.0500	103	63. - 149.	5054	blank
Tetrachloroethene	mg/l	< 0.0008	0.0532	0.0500	106	60. - 140.	3117	02A89574
Tetrachloroethene	mg/l	< 0.0008	0.0465	0.0500	93	60. - 140.	5054	blank
VOA Surr 1,2-DCA-d4	% Rec				97	60. - 158.	3117	
VOA Surr 1,2-DCA-d4	% Rec				116	60. - 158.	5054	
VOA Surr Toluene-d8	% Rec				102	82. - 127.	3117	
VOA Surr Toluene-d8	% Rec				105	82. - 127.	5054	
VOA Surr, 4-BFB	% Rec				97	72. - 136.	3117	
VOA Surr, 4-BFB	% Rec				100	72. - 136.	5054	
VOA Surr, DBFM	% Rec				100	81. - 137.	3117	
VOA Surr, DBFM	% Rec				115	81. - 137.	5054	

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS								
Nitrate-N as N	mg/l	2.83	10.5	7.50	102	80 - 120	2479	02-A92059
Nitrate-N as N	mg/l	2.83	10.5	7.50	102	80 - 120	2479	02-A92059
Sulfate	mg/l	14.4	36.2	20.0	109	80 - 120	6857	02-A93654

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
Total Organic Carbon	mg/l	< 1.00	19.6	20.0	98	80 - 120	2727	02-A92211
Sulfide	mg/l	< 2.000	19.00	20.00	95	80 - 120	3923	02-A92115
Chloride	mg/l	2.24	15.2	12.5	104	80 - 120	2959	02-A91183

Matrix Spike Recovery

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

****MISC PARAMETERS****

Methane	mg/L	< 0.026	1.30	1.33	98	40 - 140	5040	02-A91214
Methane	mg/L	< 0.026	1.40	1.33	105	40 - 140	5040	02-A91214
Ethene	mg/L	< 0.026	2.10	2.32	91	40 - 140	5040	02-A91214
Ethene	mg/L	< 0.026	2.10	2.32	91	40 - 140	5040	02-A91214
Ethane	mg/L	< 0.026	2.30	2.50	92	40 - 140	5040	02-A91214
Ethane	mg/L	< 0.026	2.40	2.50	96	40 - 140	5040	02-A91214

Matrix Spike Duplicate

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

****VOA PARAMETERS****

Benzene	mg/l	0.0513	0.0508	0.98	21.	3117
Benzene	mg/l	0.0474	0.0477	0.63	21.	5054
Chlorobenzene	mg/l	0.0493	0.0488	1.02	25.	3117
Chlorobenzene	mg/l	0.0486	0.0488	0.41	25.	5054
1,1-Dichloroethene	mg/l	0.0496	0.0502	1.20	26.	3117
1,1-Dichloroethene	mg/l	0.0466	0.0525	11.91	26.	5054
Toluene	mg/l	0.0507	0.0506	0.20	22.	3117
Toluene	mg/l	0.0495	0.0499	0.80	22.	5054
Trichloroethene	mg/l	0.0512	0.0516	0.78	28.	3117

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
Trichloroethene	mg/l	0.0516	0.0516	0.00	28.	5054
Tetrachloroethene	mg/l	0.0532	0.0525	1.32	24.	3117
Tetrachloroethene	mg/l	0.0465	0.0462	0.65	24.	5054
VOA Surr 1,2-DCA-d4	% Rec		97.			3117
VOA Surr 1,2-DCA-d4	% Rec		114.			5054
VOA Surr Toluene-d8	% Rec		102.			3117
VOA Surr Toluene-d8	% Rec		106.			5054
VOA Surr, 4-BFB	% Rec		98.			3117
VOA Surr, 4-BFB	% Rec		100.			5054
VOA Surr, DBFM	% Rec		99.			3117
VOA Surr, DBFM	% Rec		115.			5054

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Methane	mg/L	1.30	1.40	7.41	50	5040
Ethene	mg/L	2.10	2.10	0.00	50	5040
Ethane	mg/L	2.30	2.40	4.26	50	5040

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Nitrate-N as N	mg/l	10.5	10.5	0.00	20	2479
Nitrate-N as N	mg/l	7.66	7.60	0.79	20	2957
Sulfate	mg/l	36.2	35.7	1.39	20	6857
Total Organic Carbon	mg/l	19.6	19.7	0.51	20	2727
Sulfide	mg/l	19.00	18.50	2.67	20	3923

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
Chloride	mg/l	15.2	15.3	0.66	20	2959

Laboratory Control Data

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

****VOA PARAMETERS****

Acetone	mg/l	0.250	0.252	101	54 - 153	3117
Acetone	mg/l	0.250	0.244	98	54 - 153	5054
Acetone	mg/l	0.250	0.253	101	54 - 153	5054
Benzene	mg/l	0.0500	0.0509	102	79 - 124	3117
Benzene	mg/l	0.0500	0.0485	97	79 - 124	5054
Benzene	mg/l	0.0500	0.0474	95	79 - 124	5054
Bromobenzene	mg/l	0.0500	0.0510	102	76 - 122	3117
Bromobenzene	mg/l	0.0500	0.0493	99	76 - 122	5054
Bromobenzene	mg/l	0.0500	0.0468	94	76 - 122	5054
Bromochloromethane	mg/l	0.0500	0.0519	104	71 - 134	3117
Bromochloromethane	mg/l	0.0500	0.0536	107	71 - 134	5054
Bromochloromethane	mg/l	0.0500	0.0539	108	71 - 134	5054
Bromoform	mg/l	0.0500	0.0478	96	66 - 124	3117
Bromoform	mg/l	0.0500	0.0527	105	66 - 124	5054
Bromoform	mg/l	0.0500	0.0555	111	66 - 124	5054
Bromomethane	mg/l	0.0500	0.0460	92	51 - 145	3117
Bromomethane	mg/l	0.0500	0.0741	148 #	51 - 145	5054
Bromomethane	mg/l	0.0500	0.0661	132	51 - 145	5054
2-Butanone	mg/l	0.250	0.270	108	62 - 134	3117
2-Butanone	mg/l	0.250	0.244	98	62 - 134	5054
2-Butanone	mg/l	0.250	0.259	104	62 - 134	5054
n-Butylbenzene	mg/l	0.0500	0.0537	107	61 - 136	3117
n-Butylbenzene	mg/l	0.0500	0.0491	98	61 - 136	5054
n-Butylbenzene	mg/l	0.0500	0.0450	90	61 - 136	5054
sec-Butylbenzene	mg/l	0.0500	0.0543	109	69 - 130	3117

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
-----	-----	-----	-----	-----	-----	-----
sec-Butylbenzene	mg/l	0.0500	0.0485	97	69 - 130	5054
sec-Butylbenzene	mg/l	0.0500	0.0454	91	69 - 130	5054
t-Butylbenzene	mg/l	0.0500	0.0529	106	66 - 129	3117
t-Butylbenzene	mg/l	0.0500	0.0502	100	66 - 129	5054
t-Butylbenzene	mg/l	0.0500	0.0471	94	66 - 129	5054
Carbon disulfide	mg/l	0.0500	0.0490	98	71 - 129	3117
Carbon disulfide	mg/l	0.0500	0.0528	106	71 - 129	5054
Carbon disulfide	mg/l	0.0500	0.0509	102	71 - 129	5054
Carbon tetrachloride	mg/l	0.0500	0.0578	116	70 - 130	3117
Carbon tetrachloride	mg/l	0.0500	0.0620	124	70 - 130	5054
Carbon tetrachloride	mg/l	0.0500	0.0609	122	70 - 130	5054
Chlorobenzene	mg/l	0.0500	0.0504	101	80 - 118	3117
Chlorobenzene	mg/l	0.0500	0.0492	98	80 - 118	5054
Chlorobenzene	mg/l	0.0500	0.0485	97	80 - 118	5054
Chloroethane	mg/l	0.0500	0.0399	80	59 - 144	3117
Chloroethane	mg/l	0.0500	0.0619	124	59 - 144	5054
Chloroethane	mg/l	0.0500	0.0589	118	59 - 144	5054
Chloroform	mg/l	0.0500	0.0505	101	74 - 123	3117
Chloroform	mg/l	0.0500	0.0560	112	74 - 123	5054
Chloroform	mg/l	0.0500	0.0547	109	74 - 123	5054
Chloromethane	mg/l	0.0500	0.0410	82	47 - 155	3117
Chloromethane	mg/l	0.0500	0.0596	119	47 - 155	5054
Chloromethane	mg/l	0.0500	0.0550	110	47 - 155	5054
2-Chlorotoluene	mg/l	0.0500	0.0505	101	74 - 126	3117
2-Chlorotoluene	mg/l	0.0500	0.0509	102	74 - 126	5054
2-Chlorotoluene	mg/l	0.0500	0.0477	95	74 - 126	5054
4-Chlorotoluene	mg/l	0.0500	0.0514	103	75 - 125	3117
4-Chlorotoluene	mg/l	0.0500	0.0497	99	75 - 125	5054
4-Chlorotoluene	mg/l	0.0500	0.0469	94	75 - 125	5054
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0683	137 #	58 - 133	3117
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0468	94	58 - 133	5054
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0494	99	58 - 133	5054
Dibromochloromethane	mg/l	0.0500	0.0547	109	73 - 125	3117

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
Dibromochloromethane	mg/l	0.0500	0.0602	120	73 - 125	5054
Dibromochloromethane	mg/l	0.0500	0.0618	124	73 - 125	5054
1,2-Dibromoethane	mg/l	0.0500	0.0529	106	74 - 125	3117
1,2-Dibromoethane	mg/l	0.0500	0.0511	102	74 - 125	5054
1,2-Dibromoethane	mg/l	0.0500	0.0528	106	74 - 125	5054
Dibromomethane	mg/l	0.0500	0.0520	104	71 - 130	3117
Dibromomethane	mg/l	0.0500	0.0557	111	71 - 130	5054
Dibromomethane	mg/l	0.0500	0.0560	112	71 - 130	5054
1,2-Dichlorobenzene	mg/l	0.0500	0.0516	103	76 - 122	3117
1,2-Dichlorobenzene	mg/l	0.0500	0.0491	98	76 - 122	5054
1,2-Dichlorobenzene	mg/l	0.0500	0.0477	95	76 - 122	5054
1,3-Dichlorobenzene	mg/l	0.0500	0.0528	106	75 - 122	3117
1,3-Dichlorobenzene	mg/l	0.0500	0.0488	98	75 - 122	5054
1,3-Dichlorobenzene	mg/l	0.0500	0.0461	92	75 - 122	5054
1,4-Dichlorobenzene	mg/l	0.0500	0.0518	104	76 - 119	3117
1,4-Dichlorobenzene	mg/l	0.0500	0.0487	97	76 - 119	5054
1,4-Dichlorobenzene	mg/l	0.0500	0.0461	92	76 - 119	5054
Dichlorodifluoromethane	mg/l	0.0500	0.0433	87	53 - 151	3117
Dichlorodifluoromethane	mg/l	0.0500	0.0533	107	53 - 151	5054
Dichlorodifluoromethane	mg/l	0.0500	0.0480	96	53 - 151	5054
1,1-Dichloroethane	mg/l	0.0500	0.0490	98	76 - 127	3117
1,1-Dichloroethane	mg/l	0.0500	0.0508	102	76 - 127	5054
1,1-Dichloroethane	mg/l	0.0500	0.0491	98	76 - 127	5054
1,2-Dichloroethane	mg/l	0.0500	0.0492	98	66 - 133	3117
1,2-Dichloroethane	mg/l	0.0500	0.0572	114	66 - 133	5054
1,2-Dichloroethane	mg/l	0.0500	0.0554	111	66 - 133	5054
1,1-Dichloroethene	mg/l	0.0500	0.0500	100	72 - 127	3117
1,1-Dichloroethene	mg/l	0.0500	0.0520	104	72 - 127	5054
1,1-Dichloroethene	mg/l	0.0500	0.0506	101	72 - 127	5054
cis-1,2-Dichloroethene	mg/l	0.0500	0.0505	101	74 - 127	3117
cis-1,2-Dichloroethene	mg/l	0.0500	0.0500	100	74 - 127	5054
cis-1,2-Dichloroethene	mg/l	0.0500	0.0471	94	74 - 127	5054
trans-1,2-Dichloroethene	mg/l	0.0500	0.0503	101	70 - 132	3117

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
trans-1,2-Dichloroethene	mg/l	0.0500	0.0499	100	70 - 132	5054
trans-1,2-Dichloroethene	mg/l	0.0500	0.0480	96	70 - 132	5054
1,2-Dichloropropane	mg/l	0.0500	0.0512	102	76 - 124	3117
1,2-Dichloropropane	mg/l	0.0500	0.0479	96	76 - 124	5054
1,2-Dichloropropane	mg/l	0.0500	0.0459	92	76 - 124	5054
1,3-Dichloropropane	mg/l	0.0500	0.0512	102	72 - 129	3117
1,3-Dichloropropane	mg/l	0.0500	0.0526	105	72 - 129	5054
1,3-Dichloropropane	mg/l	0.0500	0.0517	103	72 - 129	5054
2,2-Dichloropropane	mg/l	0.0500	0.0596	119	33 - 152	3117
2,2-Dichloropropane	mg/l	0.0500	0.0474	95	33 - 152	5054
2,2-Dichloropropane	mg/l	0.0500	0.0393	79	33 - 152	5054
1,1-Dichloropropene	mg/l	0.0500	0.0525	105	73 - 127	3117
1,1-Dichloropropene	mg/l	0.0500	0.0512	102	73 - 127	5054
1,1-Dichloropropene	mg/l	0.0500	0.0500	100	73 - 127	5054
cis-1,3-Dichloropropene	mg/l	0.0500	0.0549	110	58 - 131	3117
cis-1,3-Dichloropropene	mg/l	0.0500	0.0493	99	58 - 131	5054
cis-1,3-Dichloropropene	mg/l	0.0500	0.0466	93	58 - 131	5054
trans-1,3-Dichloropropene	mg/l	0.0500	0.0506	101	53 - 133	3117
trans-1,3-Dichloropropene	mg/l	0.0500	0.0527	105	53 - 133	5054
trans-1,3-Dichloropropene	mg/l	0.0500	0.0509	102	53 - 133	5054
Ethylbenzene	mg/l	0.0500	0.0515	103	77 - 126	3117
Ethylbenzene	mg/l	0.0500	0.0501	100	77 - 126	5054
Ethylbenzene	mg/l	0.0500	0.0488	98	77 - 126	5054
Hexachlorobutadiene	mg/l	0.0500	0.0526	105	52 - 139	3117
Hexachlorobutadiene	mg/l	0.0500	0.0445	89	52 - 139	5054
Hexachlorobutadiene	mg/l	0.0500	0.0447	89	52 - 139	5054
2-Hexanone	mg/l	0.250	0.272	109	61 - 136	3117
2-Hexanone	mg/l	0.250	0.245	98	61 - 136	5054
2-Hexanone	mg/l	0.250	0.251	100	61 - 136	5054
Isopropylbenzene	mg/l	0.0500	0.0530	106	74 - 127	3117
Isopropylbenzene	mg/l	0.0500	0.0494	99	74 - 127	5054
Isopropylbenzene	mg/l	0.0500	0.0470	94	74 - 127	5054
4-Isopropyltoluene	mg/l	0.0500	0.0531	106	69 - 113	3117

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
4-Isopropyltoluene	mg/l	0.0500	0.0496	99	69 - 113	5054
4-Isopropyltoluene	mg/l	0.0500	0.0462	92	69 - 113	5054
4-Methyl-2-pentanone	mg/l	0.250	0.273	109	63 - 135	3117
4-Methyl-2-pentanone	mg/l	0.250	0.244	98	63 - 135	5054
4-Methyl-2-pentanone	mg/l	0.250	0.249	100	63 - 135	5054
Methylene chloride	mg/l	0.0500	0.0534	107	70 - 130	3117
Methylene chloride	mg/l	0.0500	0.0530	106	70 - 130	5054
Methylene chloride	mg/l	0.0500	0.0495	99	70 - 130	5054
Naphthalene	mg/l	0.0500	0.0571	114	57 - 143	3117
Naphthalene	mg/l	0.0500	0.0393	79	57 - 143	5054
Naphthalene	mg/l	0.0500	0.0468	94	57 - 143	5054
n-Propylbenzene	mg/l	0.0500	0.0523	105	71 - 130	3117
n-Propylbenzene	mg/l	0.0500	0.0495	99	71 - 130	5054
n-Propylbenzene	mg/l	0.0500	0.0464	93	71 - 130	5054
Styrene	mg/l	0.0500	0.0544	109	77 - 122	3117
Styrene	mg/l	0.0500	0.0506	101	77 - 122	5054
Styrene	mg/l	0.0500	0.0491	98	77 - 122	5054
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0554	111	71 - 130	3117
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0558	112	71 - 130	5054
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0554	111	71 - 130	5054
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0515	103	57 - 136	3117
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0502	100	57 - 136	5054
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0513	103	57 - 136	5054
Tetrachloroethene	mg/l	0.0500	0.0527	105	72 - 126	3117
Tetrachloroethene	mg/l	0.0500	0.0470	94	72 - 126	5054
Tetrachloroethene	mg/l	0.0500	0.0463	93	72 - 126	5054
Toluene	mg/l	0.0500	0.0511	102	78 - 124	3117
Toluene	mg/l	0.0500	0.0506	101	78 - 124	5054
Toluene	mg/l	0.0500	0.0494	99	78 - 124	5054
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0566	113	58 - 139	3117
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0362	72	58 - 139	5054
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0403	81	58 - 139	5054
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0684	137 #	60 - 132	3117

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0421	84	60 - 132	5054
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0419	84	60 - 132	5054
1,1,1-Trichloroethane	mg/l	0.0500	0.0520	104	70 - 130	3117
1,1,1-Trichloroethane	mg/l	0.0500	0.0572	114	70 - 130	5054
1,1,1-Trichloroethane	mg/l	0.0500	0.0560	112	70 - 130	5054
1,1,2-Trichloroethane	mg/l	0.0500	0.0512	102	75 - 124	3117
1,1,2-Trichloroethane	mg/l	0.0500	0.0549	110	75 - 124	5054
1,1,2-Trichloroethane	mg/l	0.0500	0.0556	111	75 - 124	5054
Trichloroethene	mg/l	0.0500	0.0512	102	70 - 136	3117
Trichloroethene	mg/l	0.0500	0.0515	103	70 - 136	5054
Trichloroethene	mg/l	0.0500	0.0515	103	70 - 136	5054
1,2,3-Trichloropropane	mg/l	0.0500	0.0540	108	63 - 132	3117
1,2,3-Trichloropropane	mg/l	0.0500	0.0552	110	63 - 132	5054
1,2,3-Trichloropropane	mg/l	0.0500	0.0571	114	63 - 132	5054
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0524	105	73 - 127	3117
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0513	103	73 - 127	5054
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0486	97	73 - 127	5054
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0536	107	72 - 128	3117
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0509	102	72 - 128	5054
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0482	96	72 - 128	5054
Vinyl chloride	mg/l	0.0500	0.0422	84	62 - 144	3117
Vinyl chloride	mg/l	0.0500	0.0635	127	62 - 144	5054
Vinyl chloride	mg/l	0.0500	0.0603	121	62 - 144	5054
Xylenes (Total)	mg/l	0.150	0.155	103	76 - 127	3117
Xylenes (Total)	mg/l	0.150	0.151	101	76 - 127	5054
Xylenes (Total)	mg/l	0.150	0.148	99	76 - 127	5054
Bromodichloromethane	mg/l	0.0500	0.0525	105	69 - 130	3117
Bromodichloromethane	mg/l	0.0500	0.0601	120	69 - 130	5054
Bromodichloromethane	mg/l	0.0500	0.0583	117	69 - 130	5054
Trichlorofluoromethane	mg/l	0.0500	0.0425	85	64 - 136	3117
Trichlorofluoromethane	mg/l	0.0500	0.0672	134	64 - 136	5054
Trichlorofluoromethane	mg/l	0.0500	0.0713	143 #	64 - 136	5054
Methane	mg/L	1.33	1.30	98	82 - 121	5040

Project QC continued . . .

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
Ethene	mg/L	2.32	2.20	95	83 - 120	5040
Ethane	mg/L	2.50	2.40	96	80 - 120	5040
VOA Surr 1,2-DCA-d4	% Rec			95	60 - 158	3117
VOA Surr 1,2-DCA-d4	% Rec			119	60 - 158	5054
VOA Surr 1,2-DCA-d4	% Rec			116	60 - 158	5054
VOA Surr Toluene-d8	% Rec			100	82 - 127	3117
VOA Surr Toluene-d8	% Rec			104	82 - 127	5054
VOA Surr Toluene-d8	% Rec			105	82 - 127	5054
VOA Surr, 4-BFB	% Rec			97	72 - 136	3117
VOA Surr, 4-BFB	% Rec			103	72 - 136	5054
VOA Surr, 4-BFB	% Rec			100	72 - 136	5054
VOA Surr, DBFM	% Rec			99	81 - 137	3117
VOA Surr, DBFM	% Rec			113	81 - 137	5054
VOA Surr, DBFM	% Rec			115	81 - 137	5054

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Methane	mg/L	1.33	1.30	98	82 - 121	5040
Ethene	mg/L	2.32	2.20	95	83 - 120	5040
Ethane	mg/L	2.50	2.40	96	80 - 120	5040

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	2479
Nitrate-N as N	mg/l	5.50	5.90	107	90 - 110	2957

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
-----	-----	-----	-----	-----	-----	-----
Sulfate	mg/l	25.0	23.9	96	90 - 110	6857
Total Organic Carbon	mg/l	200.	193.	96	90 - 110	2727
Sulfide	mg/l	20.00	20.00	100	90 - 110	3923
Chloride	mg/l	10.0	9.97	100	90 - 110	2959

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
-----	-----	-----	-----	-----	-----	-----	-----
Nitrate-N as N	mg/l	< 0.100	1.48	N/A	15.	2479	02-A92009
Sulfate	mg/l	< 2.00	9.20	N/A	15.	6857	02-A93655
Chloride	mg/l	8.89	8.69	2.28	15.	2959	02-A92118

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
VOA PARAMETERS					
Acetone	< 0.0084	mg/l	3117	6/ 8/02	10:50
Acetone	< 0.0084	mg/l	5054	6/ 8/02	4:50
Acetone	< 0.0084	mg/l	5054	6/10/02	10:56
Benzene	< 0.0007	mg/l	3117	6/ 8/02	10:50
Benzene	< 0.0007	mg/l	5054	6/ 8/02	4:50
Benzene	< 0.0007	mg/l	5054	6/10/02	10:56
Bromobenzene	< 0.0007	mg/l	3117	6/ 8/02	10:50
Bromobenzene	< 0.0007	mg/l	5054	6/ 8/02	4:50
Bromobenzene	< 0.0007	mg/l	5054	6/10/02	10:56
Bromochloromethane	< 0.0006	mg/l	3117	6/ 8/02	10:50
Bromochloromethane	< 0.0006	mg/l	5054	6/ 8/02	4:50
Bromochloromethane	< 0.0006	mg/l	5054	6/10/02	10:56
Bromoform	0.0036	mg/l	3117	6/ 8/02	10:50
Bromoform	< 0.0007	mg/l	5054	6/ 8/02	4:50
Bromoform	< 0.0007	mg/l	5054	6/10/02	10:56

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Bromomethane	0.0063	mg/l	3117	6/ 8/02	10:50
Bromomethane	< 0.0008	mg/l	5054	6/ 8/02	4:50
Bromomethane	< 0.0008	mg/l	5054	6/10/02	10:56
2-Butanone	< 0.0039	mg/l	3117	6/ 8/02	10:50
2-Butanone	< 0.0039	mg/l	5054	6/ 8/02	4:50
2-Butanone	< 0.0039	mg/l	5054	6/10/02	10:56
n-Butylbenzene	< 0.0007	mg/l	3117	6/ 8/02	10:50
n-Butylbenzene	< 0.0007	mg/l	5054	6/ 8/02	4:50
n-Butylbenzene	< 0.0007	mg/l	5054	6/10/02	10:56
sec-Butylbenzene	< 0.0008	mg/l	3117	6/ 8/02	10:50
sec-Butylbenzene	< 0.0008	mg/l	5054	6/ 8/02	4:50
sec-Butylbenzene	< 0.0008	mg/l	5054	6/10/02	10:56
t-Butylbenzene	< 0.0009	mg/l	3117	6/ 8/02	10:50
t-Butylbenzene	< 0.0009	mg/l	5054	6/ 8/02	4:50
t-Butylbenzene	< 0.0009	mg/l	5054	6/10/02	10:56
Carbon disulfide	< 0.0008	mg/l	3117	6/ 8/02	10:50
Carbon disulfide	< 0.0008	mg/l	5054	6/ 8/02	4:50
Carbon disulfide	< 0.0008	mg/l	5054	6/10/02	10:56
Carbon tetrachloride	< 0.0007	mg/l	3117	6/ 8/02	10:50
Carbon tetrachloride	< 0.0007	mg/l	5054	6/ 8/02	4:50
Carbon tetrachloride	< 0.0007	mg/l	5054	6/10/02	10:56
Chlorobenzene	< 0.0007	mg/l	3117	6/ 8/02	10:50
Chlorobenzene	< 0.0007	mg/l	5054	6/ 8/02	4:50
Chlorobenzene	< 0.0007	mg/l	5054	6/10/02	10:56
Chloroethane	< 0.0009	mg/l	3117	6/ 8/02	10:50
Chloroethane	< 0.0009	mg/l	5054	6/ 8/02	4:50
Chloroethane	< 0.0009	mg/l	5054	6/10/02	10:56
Chloroform	< 0.0006	mg/l	3117	6/ 8/02	10:50
Chloroform	< 0.0006	mg/l	5054	6/ 8/02	4:50
Chloroform	< 0.0006	mg/l	5054	6/10/02	10:56
Chloromethane	< 0.0005	mg/l	3117	6/ 8/02	10:50
Chloromethane	< 0.0005	mg/l	5054	6/ 8/02	4:50
Chloromethane	< 0.0005	mg/l	5054	6/10/02	10:56

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
2-Chlorotoluene	< 0.0007	mg/l	3117	6/ 8/02	10:50
2-Chlorotoluene	< 0.0007	mg/l	5054	6/ 8/02	4:50
2-Chlorotoluene	< 0.0007	mg/l	5054	6/10/02	10:56
4-Chlorotoluene	< 0.0006	mg/l	3117	6/ 8/02	10:50
4-Chlorotoluene	< 0.0006	mg/l	5054	6/ 8/02	4:50
4-Chlorotoluene	< 0.0006	mg/l	5054	6/10/02	10:56
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	3117	6/ 8/02	10:50
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	5054	6/ 8/02	4:50
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	5054	6/10/02	10:56
Dibromochloromethane	< 0.0004	mg/l	3117	6/ 8/02	10:50
Dibromochloromethane	< 0.0004	mg/l	5054	6/ 8/02	4:50
Dibromochloromethane	< 0.0004	mg/l	5054	6/10/02	10:56
1,2-Dibromoethane	< 0.0005	mg/l	3117	6/ 8/02	10:50
1,2-Dibromoethane	< 0.0005	mg/l	5054	6/ 8/02	4:50
1,2-Dibromoethane	< 0.0005	mg/l	5054	6/10/02	10:56
Dibromomethane	< 0.0004	mg/l	3117	6/ 8/02	10:50
Dibromomethane	< 0.0004	mg/l	5054	6/ 8/02	4:50
Dibromomethane	< 0.0004	mg/l	5054	6/10/02	10:56
1,2-Dichlorobenzene	< 0.0005	mg/l	3117	6/ 8/02	10:50
1,2-Dichlorobenzene	< 0.0005	mg/l	5054	6/ 8/02	4:50
1,2-Dichlorobenzene	< 0.0005	mg/l	5054	6/10/02	10:56
1,3-Dichlorobenzene	< 0.0006	mg/l	3117	6/ 8/02	10:50
1,3-Dichlorobenzene	< 0.0006	mg/l	5054	6/ 8/02	4:50
1,3-Dichlorobenzene	< 0.0006	mg/l	5054	6/10/02	10:56
1,4-Dichlorobenzene	< 0.0005	mg/l	3117	6/ 8/02	10:50
1,4-Dichlorobenzene	< 0.0005	mg/l	5054	6/ 8/02	4:50
1,4-Dichlorobenzene	< 0.0005	mg/l	5054	6/10/02	10:56
Dichlorodifluoromethane	< 0.0004	mg/l	3117	6/ 8/02	10:50
Dichlorodifluoromethane	< 0.0004	mg/l	5054	6/ 8/02	4:50
Dichlorodifluoromethane	< 0.0004	mg/l	5054	6/10/02	10:56
1,1-Dichloroethane	< 0.0008	mg/l	3117	6/ 8/02	10:50
1,1-Dichloroethane	< 0.0008	mg/l	5054	6/ 8/02	4:50
1,1-Dichloroethane	< 0.0008	mg/l	5054	6/10/02	10:56

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,2-Dichloroethane	< 0.0009	mg/l	3117	6/ 8/02	10:50
1,2-Dichloroethane	< 0.0009	mg/l	5054	6/ 8/02	4:50
1,2-Dichloroethane	< 0.0009	mg/l	5054	6/10/02	10:56
1,1-Dichloroethene	< 0.0008	mg/l	3117	6/ 8/02	10:50
1,1-Dichloroethene	< 0.0008	mg/l	5054	6/ 8/02	4:50
1,1-Dichloroethene	< 0.0008	mg/l	5054	6/10/02	10:56
cis-1,2-Dichloroethene	< 0.0007	mg/l	3117	6/ 8/02	10:50
cis-1,2-Dichloroethene	< 0.0007	mg/l	5054	6/ 8/02	4:50
cis-1,2-Dichloroethene	< 0.0007	mg/l	5054	6/10/02	10:56
trans-1,2-Dichloroethene	< 0.0008	mg/l	3117	6/ 8/02	10:50
trans-1,2-Dichloroethene	< 0.0008	mg/l	5054	6/ 8/02	4:50
trans-1,2-Dichloroethene	< 0.0008	mg/l	5054	6/10/02	10:56
1,2-Dichloropropane	< 0.0006	mg/l	3117	6/ 8/02	10:50
1,2-Dichloropropane	< 0.0006	mg/l	5054	6/ 8/02	4:50
1,2-Dichloropropane	< 0.0006	mg/l	5054	6/10/02	10:56
1,3-Dichloropropane	< 0.0006	mg/l	3117	6/ 8/02	10:50
1,3-Dichloropropane	< 0.0006	mg/l	5054	6/ 8/02	4:50
1,3-Dichloropropane	< 0.0006	mg/l	5054	6/10/02	10:56
2,2-Dichloropropane	< 0.0009	mg/l	3117	6/ 8/02	10:50
2,2-Dichloropropane	< 0.0009	mg/l	5054	6/ 8/02	4:50
2,2-Dichloropropane	< 0.0009	mg/l	5054	6/10/02	10:56
1,1-Dichloropropene	< 0.0007	mg/l	3117	6/ 8/02	10:50
1,1-Dichloropropene	< 0.0007	mg/l	5054	6/ 8/02	4:50
1,1-Dichloropropene	< 0.0007	mg/l	5054	6/10/02	10:56
cis-1,3-Dichloropropene	< 0.0007	mg/l	3117	6/ 8/02	10:50
cis-1,3-Dichloropropene	< 0.0007	mg/l	5054	6/ 8/02	4:50
cis-1,3-Dichloropropene	< 0.0007	mg/l	5054	6/10/02	10:56
trans-1,3-Dichloropropene	0.0020	mg/l	3117	6/ 8/02	10:50
trans-1,3-Dichloropropene	< 0.0005	mg/l	5054	6/ 8/02	4:50
trans-1,3-Dichloropropene	< 0.0005	mg/l	5054	6/10/02	10:56
Ethylbenzene	< 0.0007	mg/l	3117	6/ 8/02	10:50
Ethylbenzene	< 0.0007	mg/l	5054	6/ 8/02	4:50
Ethylbenzene	< 0.0007	mg/l	5054	6/10/02	10:56

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
Hexachlorobutadiene	< 0.0008	mg/l	3117	6/ 8/02	10:50
Hexachlorobutadiene	< 0.0008	mg/l	5054	6/ 8/02	4:50
Hexachlorobutadiene	< 0.0008	mg/l	5054	6/10/02	10:56
2-Hexanone	< 0.0028	mg/l	3117	6/ 8/02	10:50
2-Hexanone	< 0.0028	mg/l	5054	6/ 8/02	4:50
2-Hexanone	< 0.0028	mg/l	5054	6/10/02	10:56
Isopropylbenzene	< 0.0008	mg/l	3117	6/ 8/02	10:50
Isopropylbenzene	< 0.0008	mg/l	5054	6/ 8/02	4:50
Isopropylbenzene	< 0.0008	mg/l	5054	6/10/02	10:56
4-Isopropyltoluene	< 0.0008	mg/l	3117	6/ 8/02	10:50
4-Isopropyltoluene	< 0.0008	mg/l	5054	6/ 8/02	4:50
4-Isopropyltoluene	< 0.0008	mg/l	5054	6/10/02	10:56
4-Methyl-2-pentanone	0.0056	mg/l	3117	6/ 8/02	10:50
4-Methyl-2-pentanone	< 0.0046	mg/l	5054	6/ 8/02	4:50
4-Methyl-2-pentanone	< 0.0046	mg/l	5054	6/10/02	10:56
Methylene chloride	< 0.0015	mg/l	3117	6/ 8/02	10:50
Methylene chloride	0.0023	mg/l	5054	6/ 8/02	4:50
Methylene chloride	< 0.0015	mg/l	5054	6/10/02	10:56
Naphthalene	0.0039	mg/l	3117	6/ 8/02	10:50
Naphthalene	< 0.0019	mg/l	5054	6/ 8/02	4:50
Naphthalene	< 0.0019	mg/l	5054	6/10/02	10:56
n-Propylbenzene	< 0.0008	mg/l	3117	6/ 8/02	10:50
n-Propylbenzene	< 0.0008	mg/l	5054	6/ 8/02	4:50
n-Propylbenzene	< 0.0008	mg/l	5054	6/10/02	10:56
Styrene	< 0.0009	mg/l	3117	6/ 8/02	10:50
Styrene	< 0.0009	mg/l	5054	6/ 8/02	4:50
Styrene	< 0.0009	mg/l	5054	6/10/02	10:56
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	3117	6/ 8/02	10:50
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	5054	6/ 8/02	4:50
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	5054	6/10/02	10:56
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	3117	6/ 8/02	10:50
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	5054	6/ 8/02	4:50
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	5054	6/10/02	10:56

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Tetrachloroethene	< 0.0008	mg/l	3117	6/ 8/02	10:50
Tetrachloroethene	< 0.0008	mg/l	5054	6/ 8/02	4:50
Tetrachloroethene	< 0.0008	mg/l	5054	6/10/02	10:56
Toluene	< 0.0007	mg/l	3117	6/ 8/02	10:50
Toluene	< 0.0007	mg/l	5054	6/ 8/02	4:50
Toluene	< 0.0007	mg/l	5054	6/10/02	10:56
1,2,3-Trichlorobenzene	0.0025	mg/l	3117	6/ 8/02	10:50
1,2,3-Trichlorobenzene	< 0.0006	mg/l	5054	6/ 8/02	4:50
1,2,3-Trichlorobenzene	< 0.0006	mg/l	5054	6/10/02	10:56
1,2,4-Trichlorobenzene	< 0.0009	mg/l	3117	6/ 8/02	10:50
1,2,4-Trichlorobenzene	< 0.0009	mg/l	5054	6/ 8/02	4:50
1,2,4-Trichlorobenzene	< 0.0009	mg/l	5054	6/10/02	10:56
1,1,1-Trichloroethane	< 0.0007	mg/l	3117	6/ 8/02	10:50
1,1,1-Trichloroethane	< 0.0007	mg/l	5054	6/ 8/02	4:50
1,1,1-Trichloroethane	< 0.0007	mg/l	5054	6/10/02	10:56
1,1,2-Trichloroethane	< 0.0005	mg/l	3117	6/ 8/02	10:50
1,1,2-Trichloroethane	< 0.0005	mg/l	5054	6/ 8/02	4:50
1,1,2-Trichloroethane	< 0.0005	mg/l	5054	6/10/02	10:56
Trichloroethene	< 0.0009	mg/l	3117	6/ 8/02	10:50
Trichloroethene	< 0.0009	mg/l	5054	6/ 8/02	4:50
Trichloroethene	< 0.0009	mg/l	5054	6/10/02	10:56
1,2,3-Trichloropropane	0.0298	mg/l	3117	6/ 8/02	10:50
1,2,3-Trichloropropane	< 0.0004	mg/l	5054	6/ 8/02	4:50
1,2,3-Trichloropropane	< 0.0004	mg/l	5054	6/10/02	10:56
1,2,4-Trimethylbenzene	< 0.0006	mg/l	3117	6/ 8/02	10:50
1,2,4-Trimethylbenzene	< 0.0006	mg/l	5054	6/ 8/02	4:50
1,2,4-Trimethylbenzene	< 0.0006	mg/l	5054	6/10/02	10:56
1,3,5-Trimethylbenzene	< 0.0008	mg/l	3117	6/ 8/02	10:50
1,3,5-Trimethylbenzene	< 0.0008	mg/l	5054	6/ 8/02	4:50
1,3,5-Trimethylbenzene	< 0.0008	mg/l	5054	6/10/02	10:56
Vinyl chloride	< 0.0005	mg/l	3117	6/ 8/02	10:50
Vinyl chloride	< 0.0005	mg/l	5054	6/ 8/02	4:50
Vinyl chloride	< 0.0005	mg/l	5054	6/10/02	10:56

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
Xylenes (Total)	< 0.0009	mg/l	3117	6/ 8/02	10:50
Xylenes (Total)	< 0.0009	mg/l	5054	6/ 8/02	4:50
Xylenes (Total)	< 0.0009	mg/l	5054	6/10/02	10:56
Bromodichloromethane	< 0.0008	mg/l	3117	6/ 8/02	10:50
Bromodichloromethane	< 0.0008	mg/l	5054	6/ 8/02	4:50
Bromodichloromethane	< 0.0008	mg/l	5054	6/10/02	10:56
Trichlorofluoromethane	< 0.0007	mg/l	3117	6/ 8/02	10:50
Trichlorofluoromethane	< 0.0007	mg/l	5054	6/ 8/02	4:50
Trichlorofluoromethane	< 0.0007	mg/l	5054	6/10/02	10:56
VOA Surr 1,2-DCA-d4	96.	% Rec	3117	6/ 8/02	10:50
VOA Surr 1,2-DCA-d4	121.	% Rec	5054	6/ 8/02	4:50
VOA Surr 1,2-DCA-d4	120.	% Rec	5054	6/10/02	10:56
VOA Surr Toluene-d8	100.	% Rec	3117	6/ 8/02	10:50
VOA Surr Toluene-d8	105.	% Rec	5054	6/ 8/02	4:50
VOA Surr Toluene-d8	106.	% Rec	5054	6/10/02	10:56
VOA Surr, 4-BFB	104.	% Rec	3117	6/ 8/02	10:50
VOA Surr, 4-BFB	103.	% Rec	5054	6/ 8/02	4:50
VOA Surr, 4-BFB	103.	% Rec	5054	6/10/02	10:56
VOA Surr, DBFM	100.	% Rec	3117	6/ 8/02	10:50
VOA Surr, DBFM	115.	% Rec	5054	6/ 8/02	4:50
VOA Surr, DBFM	117.	% Rec	5054	6/10/02	10:56

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
MISC PARAMETERS					
Nitrate-N as N	< 0.100	mg/l	2479	6/ 6/02	17:23
Nitrate-N as N	< 0.100	mg/l	2957	6/ 6/02	17:09
Sulfate	< 1.00	mg/l	6857	6/12/02	10:13
Total Organic Carbon	< 1.00	mg/l	2727	6/ 6/02	16:44
Sulfide	< 2.000	mg/l	3923	6/ 7/02	19:00

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
 Project Number: 51870.7
 Page: 18

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
Chloride	< 1.00	mg/l	2959	6/ 7/02	17:15

Blank Data

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

MISC PARAMETERS

Methane	< 0.026	mg/L	5040	6/11/02	14:59
Ethene	< 0.026	mg/L	5040	6/11/02	14:59
Ethane	< 0.026	mg/L	5040	6/11/02	14:59

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 287538

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

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

Client Name Harding ESE

Client #: 4997

Address: 1400 Centerpoint Blvd. Suite 158

City/State/Zip Code: Knoxville, TN 37932

Project Manager: Rick Ryan

Telephone Number: (865) 531-1922

Fax: (865) 531-8226

Sampler Name: (Print Name) Rob E/63

Sampler Signature:

Project Name: *Former Taylor Instruments*

Project #: 57870.7

Site/Location ID: Rochester

State: NY

Report To: Rick Ryan, Rob Ellis

Invoice To: Rick Ryan

Quote #: 102501.216.2.99

PO#: 6599

June 6, 2002
Analytical Data

TestAmerica

INCORPORATED

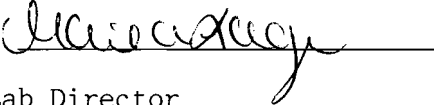
6/18/02

HARDING ESE 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 57870.7 FORMER TAYLOR INSTRUMENT. The Laboratory Project number is 287708. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
OB-07	02-A92780	6/ 6/02
W-5	02-A92781	6/ 6/02
W-5 DUP	02-A92782	6/ 6/02

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

Report Approved By: 

Report Date: 6/18/02

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

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

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A92780
 Sample ID: OB-07
 Sample Type: Ground water
 Site ID:

Project: 57870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 6/02
 Time Collected: 9:07
 Date Received: 6/ 7/02
 Time Received: 9:00
 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	6/14/02	15:27	M. Taylor	8260B	3939
Benzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Bromobenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Bromochloromethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Bromoform	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Bromomethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
2-Butanone	ND	mg/l	0.0500	1	6/14/02	15:27	M. Taylor	8260B	3939
n-Butylbenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
sec-Butylbenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
t-Butylbenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Carbon disulfide	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Carbon tetrachloride	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Chlorobenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Chloroethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Chloroform	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Chloromethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
2-Chlorotoluene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
4-Chlorotoluene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/14/02	15:27	M. Taylor	8260B	3939
Dibromochloromethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Dibromomethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92780
Sample ID: OB-07
Project: 57870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Ethylbenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
2-Hexanone	ND	mg/l	0.0100	1	6/14/02	15:27	M. Taylor	8260B	3939
Isopropylbenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/14/02	15:27	M. Taylor	8260B	3939
Methylene chloride	ND	mg/l	0.0050	1	6/14/02	15:27	M. Taylor	8260B	3939
Naphthalene	ND	mg/l	0.0050	1	6/14/02	15:27	M. Taylor	8260B	3939
n-Propylbenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Styrene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Tetrachloroethene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Toluene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Trichloroethene	0.0071	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Vinyl chloride	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Xylenes (Total)	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
Bromodichloromethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92780
Sample ID: OB-07
Project: 57870.7
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/14/02	15:27	M. Taylor	8260B	3939
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	6/12/02	14:48	K. Burritt	RSK175M	6263
Carbon Dioxide	ND	mg/l	3.0	1	6/ 7/02	4:34	T. Beverly	SM4500C02C	3425
Ethene	ND	mg/L	0.026	1	6/12/02	14:48	K. Burritt	RSK175M	6263
Ethane	ND	mg/L	0.026	1	6/12/02	14:48	K. Burritt	RSK175M	6263
METALS									
Ferrous Iron	0.110	mg/l	0.100	1	6/ 7/02	20:36	D. Hessin	3500D	3355
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	21.2	mg/l	0.200	2	6/ 7/02	22:58	A.Bamarni	353.2	3349
Sulfate	390.	mg/l	10.0	10	6/13/02	9:23	M.Shockley	9038	8059
Alkalinity as CaCO3	123.	mg/l	5.00	1	6/ 8/02	9:40	D. Hessin	310.1	4153
Total Organic Carbon	5.82	mg/l	1.00	1	6/ 8/02	7:09	Weatherly	415.1	3927
Sulfide	ND	mg/l	2.000	1	6/ 7/02	19:00	S. Prayter	376.1	3923
Chloride	57.5	mg/l	5.00	5	6/11/02	18:02	A.Bamarni	9251	5536

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	97.	60. - 158.
VOA Surr Toluene-d8	100.	82. - 127.
VOA Surr, 4-BFB	102.	72. - 136.
VOA Surr, DBFM	101.	81. - 137.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92780
Sample ID: OB-07
Project: 57870.7
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.

- 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

HARDING ESE 4997
 RICK RYAN
 1400 CENTERPOINT BLVD, STE. 158
 KNOXVILLE, TN 37932-1968

Lab Number: 02-A92781
 Sample ID: W-5
 Sample Type: Ground water
 Site ID:

Project: 57870.7
 Project Name: FORMER TAYLOR INSTRUMENT
 Sampler: ROB ELLIS

Date Collected: 6/ 6/02
 Time Collected: 10:56
 Date Received: 6/ 7/02
 Time Received: 9:00
 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	6/14/02	14:59	M. Taylor	8260B	3939
Benzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Bromobenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Bromochloromethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Bromoform	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Bromomethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
2-Butanone	ND	mg/l	0.0500	1	6/14/02	14:59	M. Taylor	8260B	3939
n-Butylbenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
sec-Butylbenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
t-Butylbenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Carbon disulfide	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Carbon tetrachloride	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Chlorobenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Chloroethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Chloroform	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Chloromethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
2-Chlorotoluene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
4-Chlorotoluene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/14/02	14:59	M. Taylor	8260B	3939
Dibromochloromethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Dibromomethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92781
Sample ID: W-5
Project: 57870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
cis-1,2-Dichloroethene	0.0157	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Ethylbenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
2-Hexanone	ND	mg/l	0.0100	1	6/14/02	14:59	M. Taylor	8260B	3939
Isopropylbenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/14/02	14:59	M. Taylor	8260B	3939
Methylene chloride	ND	mg/l	0.0050	1	6/14/02	14:59	M. Taylor	8260B	3939
Naphthalene	ND	mg/l	0.0050	1	6/14/02	14:59	M. Taylor	8260B	3939
n-Propylbenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Styrene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Tetrachloroethene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Toluene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Trichloroethene	0.155	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Vinyl chloride	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Xylenes (Total)	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
Bromodichloromethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92781
Sample ID: W-5
Project: 57870.7
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/14/02	14:59	M. Taylor	8260B	3939
MISCELLANEOUS GC PARAMETERS									
Methane	ND	mg/L	0.026	1	6/12/02	14:54	K. Burritt	RSK175M	6263
Carbon Dioxide	35.3	mg/l	3.0	1	6/ 7/02	4:34	T. Beverly	SM4500C02C	3425
Ethene	ND	mg/L	0.026	1	6/12/02	14:54	K. Burritt	RSK175M	6263
Ethane	ND	mg/L	0.026	1	6/12/02	14:54	K. Burritt	RSK175M	6263
METALS									
Ferrous Iron	1.84	mg/l	0.100	1	6/ 7/02	20:36	D. Hessin	3500D	3355
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/l	0.100	1	6/ 7/02	22:35	A.Bamarni	353.2	3345
Sulfate	63.4	mg/l	2.00	2	6/13/02	9:23	M.Shockley	9038	8059
Alkalinity as CaCO3	351.	mg/l	5.00	1	6/ 8/02	9:40	D. Hessin	310.1	4153
Total Organic Carbon	ND	mg/l	1.00	1	6/ 8/02	7:09	Weatherly	415.1	3927
Sulfide	ND	mg/l	2.000	1	6/ 7/02	19:00	S. Prayter	376.1	3923
Chloride	5.94	mg/l	1.00	1	6/11/02	18:02	A.Bamarni	9251	5536

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	60. - 158.
VOA Surr Toluene-d8	101.	82. - 127.
VOA Surr, 4-BFB	99.	72. - 136.
VOA Surr, DBFM	102.	81. - 137.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92781
Sample ID: W-5
Project: 57870.7
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.

- 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

HARDING ESE 4997
RICK RYAN
1400 CENTERPOINT BLVD,STE.158
KNOXVILLE, TN 37932-1968

Lab Number: 02-A92782
Sample ID: W-5 DUP
Sample Type: Ground water
Site ID:

Project: 57870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/ 6/02
Time Collected: 10:56
Date Received: 6/ 7/02
Time Received: 9:00
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	6/17/02	21:04	M. Taylor	8260B	9823
Benzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Bromobenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Bromochloromethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Bromoform	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Bromomethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
2-Butanone	ND	mg/l	0.0500	1	6/17/02	21:04	M. Taylor	8260B	9823
n-Butylbenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
sec-Butylbenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
t-Butylbenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Carbon disulfide	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Carbon tetrachloride	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Chlorobenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Chloroethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Chloroform	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Chloromethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
2-Chlorotoluene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
4-Chlorotoluene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/17/02	21:04	M. Taylor	8260B	9823
Dibromochloromethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Dibromomethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92782
Sample ID: W-5 DUP
Project: 57870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
cis-1,2-Dichloroethene	0.0138	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Ethylbenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
2-Hexanone	ND	mg/l	0.0100	1	6/17/02	21:04	M. Taylor	8260B	9823
Isopropylbenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/17/02	21:04	M. Taylor	8260B	9823
Methylene chloride	ND	mg/l	0.0050	1	6/17/02	21:04	M. Taylor	8260B	9823
Naphthalene	ND	mg/l	0.0050	1	6/17/02	21:04	M. Taylor	8260B	9823
n-Propylbenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Styrene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Tetrachloroethene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Toluene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Trichloroethene	0.150	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Vinyl chloride	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Xylenes (Total)	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823
Bromodichloromethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A92782
Sample ID: W-5 DUP
Project: 57870.7
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/17/02	21:04	M. Taylor	8260B	9823

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	98.	60. - 158.
VOA Surr Toluene-d8	102.	82. - 127.
VOA Surr, 4-BFB	95.	72. - 136.
VOA Surr, DBFM	101.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

PROJECT QUALITY CONTROL DATA
Project Number: 57870.7
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS								
Benzene	mg/l	< 0.0020	0.0512	0.0500	102	70. - 136.	3939	02-A92780
Benzene	mg/l	< 0.0007	0.0493	0.0500	99	70. - 136.	9823	blank
Chlorobenzene	mg/l	< 0.0020	0.0499	0.0500	100	70. - 132.	3939	02-A92780
Chlorobenzene	mg/l	< 0.0007	0.0496	0.0500	99	70. - 132.	9823	blank
1,1-Dichloroethene	mg/l	< 0.0020	0.0492	0.0500	98	60. - 145.	3939	02-A92780
1,1-Dichloroethene	mg/l	< 0.0008	0.0472	0.0500	94	60. - 145.	9823	blank
Toluene	mg/l	< 0.0020	0.0508	0.0500	102	69. - 137.	3939	02-A92780
Toluene	mg/l	< 0.0007	0.0492	0.0500	98	69. - 137.	9823	blank
Trichloroethene	mg/l	0.0071	0.0566	0.0500	99	63. - 149.	3939	02-A92780
Trichloroethene	mg/l	< 0.0009	0.0504	0.0500	101	63. - 149.	9823	blank
Tetrachloroethene	mg/l	< 0.0020	0.0495	0.0500	99	60. - 140.	3939	02-A92780
Tetrachloroethene	mg/l	< 0.0008	0.0501	0.0500	100	60. - 140.	9823	blank
VOA Surr 1,2-DCA-d4	% Rec				96	60. - 158.	3939	
VOA Surr 1,2-DCA-d4	% Rec				96	60. - 158.	9823	
VOA Surr Toluene-d8	% Rec				102	82. - 127.	3939	
VOA Surr Toluene-d8	% Rec				101	82. - 127.	9823	
VOA Surr, 4-BFB	% Rec				98	72. - 136.	3939	
VOA Surr, 4-BFB	% Rec				97	72. - 136.	9823	
VOA Surr, DBFM	% Rec				101	81. - 137.	3939	
VOA Surr, DBFM	% Rec				100	81. - 137.	9823	

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS								
Nitrate-N as N	mg/l	0.200	7.32	7.50	95	80 - 120	3349	02-A92618
Nitrate-N as N	mg/l	0.200	7.30	7.50	95	80 - 120	3349	02-A92618
Sulfate	mg/l	12.6	42.4	40.0	74#	80 - 120	8059	02-A94507

object QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 57870.7
Page: 2

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
Total Organic Carbon	mg/l	5.82	24.5	20.0	93	80 - 120	3927	02-A92780
Sulfide	mg/l	< 2.000	19.00	20.00	95	80 - 120	3923	02-A92115

Matrix Spike Recovery

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

****MISC PARAMETERS****

Methane	mg/L	0.436	1.70	1.33	95	40 - 140	6263	02-A 6
Methane	mg/L	0.436	1.80	1.33	103	40 - 140	6263	02-A92656

Matrix Spike Duplicate

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

****VOA PARAMETERS****

Benzene	mg/l	0.0512	0.0496	3.17	21.	3939
Benzene	mg/l	0.0493	0.0493	0.00	21.	9823
Chlorobenzene	mg/l	0.0499	0.0491	1.62	25.	3939
Chlorobenzene	mg/l	0.0496	0.0493	0.61	25.	9823
1,1-Dichloroethene	mg/l	0.0492	0.0479	2.68	26.	3939
1,1-Dichloroethene	mg/l	0.0472	0.0469	0.64	26.	9823
Toluene	mg/l	0.0508	0.0496	2.39	22.	3939
Toluene	mg/l	0.0492	0.0488	0.82	22.	9823
Trichloroethene	mg/l	0.0566	0.0558	1.42	28.	3939
Trichloroethene	mg/l	0.0504	0.0496	1.60	28.	9823
Tetrachloroethene	mg/l	0.0495	0.0494	0.20	24.	3939
Tetrachloroethene	mg/l	0.0501	0.0504	0.60	24.	9823

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 57870.7

Page: 3

VOA Surr 1,2-DCA-d4	% Rec	97.	3939
VOA Surr 1,2-DCA-d4	% Rec	96.	9823
VOA Surr Toluene-d8	% Rec	101.	3939
VOA Surr Toluene-d8	% Rec	102.	9823
VOA Surr, 4-BFB	% Rec	95.	3939
VOA Surr, 4-BFB	% Rec	96.	9823
VOA Surr, DBFM	% Rec	101.	3939
VOA Surr, DBFM	% Rec	101.	9823

Matrix Spike Duplicate

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

MISC PARAMETERS

Methane	mg/L	1.70	1.80	5.71	50	6263
Ethene	mg/L	2.10	2.10	0.00	50	6263
Ethane	mg/L	2.30	2.30	0.00	50	6263

Matrix Spike Duplicate

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

MISC PARAMETERS

Nitrate-N as N	mg/l	7.32	7.30	0.27	20	3349
Sulfate	mg/l	42.4	42.8	0.94	20	8059
Total Organic Carbon	mg/l	24.5	23.0	6.32	20	3927
Sulfide	mg/l	19.00	18.50	2.67	20	3923

Laboratory Control Data

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

VOA PARAMETERS

Acetone	mg/l	0.250	0.260	104	54 - 153	3939
Acetone	mg/l	0.250	0.268	107	54 - 153	3939

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 57870.7

Page: 4

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
Acetone	mg/l	0.250	0.268	107	54 - 153	9823
Benzene	mg/l	0.0500	0.0475	95	79 - 124	3939
Benzene	mg/l	0.0500	0.0472	94	79 - 124	3939
Benzene	mg/l	0.0500	0.0472	94	79 - 124	9823
Bromobenzene	mg/l	0.0500	0.0489	98	76 - 122	3939
Bromobenzene	mg/l	0.0500	0.0490	98	76 - 122	3939
Bromobenzene	mg/l	0.0500	0.0490	98	76 - 122	9823
Bromochloromethane	mg/l	0.0500	0.0506	101	71 - 134	3939
Bromochloromethane	mg/l	0.0500	0.0492	98	71 - 134	3939
Bromochloromethane	mg/l	0.0500	0.0492	98	71 - 134	9823
Bromoform	mg/l	0.0500	0.0474	95	66 - 124	3939
Bromoform	mg/l	0.0500	0.0487	97	66 - 124	3939
Bromoform	mg/l	0.0500	0.0487	97	66 - 124	9823
Bromomethane	mg/l	0.0500	0.0493	99	51 - 145	3939
Bromomethane	mg/l	0.0500	0.0507	101	51 - 145	3939
Bromomethane	mg/l	0.0500	0.0507	101	51 - 145	9823
2-Butanone	mg/l	0.250	0.282	113	62 - 134	3939
2-Butanone	mg/l	0.250	0.283	113	62 - 134	3939
2-Butanone	mg/l	0.250	0.283	113	62 - 134	9823
n-Butylbenzene	mg/l	0.0500	0.0466	93	61 - 136	3939
n-Butylbenzene	mg/l	0.0500	0.0473	95	61 - 136	3939
n-Butylbenzene	mg/l	0.0500	0.0473	95	61 - 136	9823
sec-Butylbenzene	mg/l	0.0500	0.0484	97	69 - 130	3939
sec-Butylbenzene	mg/l	0.0500	0.0484	97	69 - 130	3939
sec-Butylbenzene	mg/l	0.0500	0.0484	97	69 - 130	9823
t-Butylbenzene	mg/l	0.0500	0.0476	95	66 - 129	3939
t-Butylbenzene	mg/l	0.0500	0.0477	95	66 - 129	3939
t-Butylbenzene	mg/l	0.0500	0.0477	95	66 - 129	9823
Carbon disulfide	mg/l	0.0500	0.0438	88	71 - 129	3939
Carbon disulfide	mg/l	0.0500	0.0434	87	71 - 129	3939
Carbon disulfide	mg/l	0.0500	0.0434	87	71 - 129	9823
Carbon tetrachloride	mg/l	0.0500	0.0540	108	70 - 130	3939
Carbon tetrachloride	mg/l	0.0500	0.0543	109	70 - 130	3939

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 57870.7
Page: 5

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Carbon tetrachloride	mg/l	0.0500	0.0543	109	70 - 130	9823
Chlorobenzene	mg/l	0.0500	0.0481	96	80 - 118	3939
Chlorobenzene	mg/l	0.0500	0.0474	95	80 - 118	3939
Chlorobenzene	mg/l	0.0500	0.0474	95	80 - 118	9823
Chloroethane	mg/l	0.0500	0.0426	85	59 - 144	3939
Chloroethane	mg/l	0.0500	0.0426	85	59 - 144	3939
Chloroethane	mg/l	0.0500	0.0426	85	59 - 144	9823
Chloroform	mg/l	0.0500	0.0472	94	74 - 123	3939
Chloroform	mg/l	0.0500	0.0464	93	74 - 123	3939
Chloroform	mg/l	0.0500	0.0464	93	74 - 123	9823
Chloromethane	mg/l	0.0500	0.0438	88	47 - 155	3939
Chloromethane	mg/l	0.0500	0.0439	88	47 - 155	3939
Chloromethane	mg/l	0.0500	0.0439	88	47 - 155	9823
2-Chlorotoluene	mg/l	0.0500	0.0471	94	74 - 126	3939
2-Chlorotoluene	mg/l	0.0500	0.0459	92	74 - 126	3939
2-Chlorotoluene	mg/l	0.0500	0.0459	92	74 - 126	9823
4-Chlorotoluene	mg/l	0.0500	0.0477	95	75 - 125	3939
4-Chlorotoluene	mg/l	0.0500	0.0473	95	75 - 125	3939
4-Chlorotoluene	mg/l	0.0500	0.0473	95	75 - 125	9823
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0678	136 #	58 - 133	3939
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0701	140 #	58 - 133	3939
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0701	140 #	58 - 133	9823
Dibromochloromethane	mg/l	0.0500	0.0532	106	73 - 125	3939
Dibromochloromethane	mg/l	0.0500	0.0552	110	73 - 125	3939
Dibromochloromethane	mg/l	0.0500	0.0552	110	73 - 125	9823
1,2-Dibromoethane	mg/l	0.0500	0.0530	106	74 - 125	3939
1,2-Dibromoethane	mg/l	0.0500	0.0534	107	74 - 125	3939
1,2-Dibromoethane	mg/l	0.0500	0.0534	107	74 - 125	9823
Dibromomethane	mg/l	0.0500	0.0511	102	71 - 130	3939
Dibromomethane	mg/l	0.0500	0.0513	103	71 - 130	3939
Dibromomethane	mg/l	0.0500	0.0513	103	71 - 130	9823
1,2-Dichlorobenzene	mg/l	0.0500	0.0496	99	76 - 122	3939
1,2-Dichlorobenzene	mg/l	0.0500	0.0493	99	76 - 122	3939

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
1,2-Dichlorobenzene	mg/l	0.0500	0.0493	99	76 - 122	9823
1,3-Dichlorobenzene	mg/l	0.0500	0.0491	98	75 - 122	3939
1,3-Dichlorobenzene	mg/l	0.0500	0.0488	98	75 - 122	3939
1,3-Dichlorobenzene	mg/l	0.0500	0.0488	98	75 - 122	9823
1,4-Dichlorobenzene	mg/l	0.0500	0.0483	97	76 - 119	3939
1,4-Dichlorobenzene	mg/l	0.0500	0.0482	96	76 - 119	3939
1,4-Dichlorobenzene	mg/l	0.0500	0.0482	96	76 - 119	9823
Dichlorodifluoromethane	mg/l	0.0500	0.0462	92	53 - 151	3939
Dichlorodifluoromethane	mg/l	0.0500	0.0453	91	53 - 151	3939
Dichlorodifluoromethane	mg/l	0.0500	0.0453	91	53 - 151	9823
1,1-Dichloroethane	mg/l	0.0500	0.0468	94	76 - 127	3939
1,1-Dichloroethane	mg/l	0.0500	0.0461	92	76 - 127	3939
1,1-Dichloroethane	mg/l	0.0500	0.0461	92	76 - 127	9823
1,2-Dichloroethane	mg/l	0.0500	0.0489	98	66 - 133	3939
1,2-Dichloroethane	mg/l	0.0500	0.0488	98	66 - 133	3939
1,2-Dichloroethane	mg/l	0.0500	0.0488	98	66 - 133	9823
1,1-Dichloroethene	mg/l	0.0500	0.0456	91	72 - 127	3939
1,1-Dichloroethene	mg/l	0.0500	0.0445	89	72 - 127	3939
1,1-Dichloroethene	mg/l	0.0500	0.0445	89	72 - 127	9823
cis-1,2-Dichloroethene	mg/l	0.0500	0.0470	94	74 - 127	3939
cis-1,2-Dichloroethene	mg/l	0.0500	0.0475	95	74 - 127	3939
cis-1,2-Dichloroethene	mg/l	0.0500	0.0475	95	74 - 127	9823
trans-1,2-Dichloroethene	mg/l	0.0500	0.0455	91	70 - 132	3939
trans-1,2-Dichloroethene	mg/l	0.0500	0.0455	91	70 - 132	3939
trans-1,2-Dichloroethene	mg/l	0.0500	0.0455	91	70 - 132	9823
1,2-Dichloropropane	mg/l	0.0500	0.0488	98	76 - 124	3939
1,2-Dichloropropane	mg/l	0.0500	0.0485	97	76 - 124	3939
1,2-Dichloropropane	mg/l	0.0500	0.0485	97	76 - 124	9823
1,3-Dichloropropane	mg/l	0.0500	0.0511	102	72 - 129	3939
1,3-Dichloropropane	mg/l	0.0500	0.0511	102	72 - 129	3939
1,3-Dichloropropane	mg/l	0.0500	0.0511	102	72 - 129	9823
2,2-Dichloropropane	mg/l	0.0500	0.0446	89	33 - 152	3939
2,2-Dichloropropane	mg/l	0.0500	0.0530	106	33 - 152	3939

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
2,2-Dichloropropane	mg/l	0.0500	0.0530	106	33 - 152	9823
1,1-Dichloropropene	mg/l	0.0500	0.0478	96	73 - 127	3939
1,1-Dichloropropene	mg/l	0.0500	0.0474	95	73 - 127	3939
1,1-Dichloropropene	mg/l	0.0500	0.0474	95	73 - 127	9823
cis-1,3-Dichloropropene	mg/l	0.0500	0.0505	101	58 - 131	3939
cis-1,3-Dichloropropene	mg/l	0.0500	0.0514	103	58 - 131	3939
cis-1,3-Dichloropropene	mg/l	0.0500	0.0514	103	58 - 131	9823
trans-1,3-Dichloropropene	mg/l	0.0500	0.0471	94	53 - 133	3939
trans-1,3-Dichloropropene	mg/l	0.0500	0.0482	96	53 - 133	3939
trans-1,3-Dichloropropene	mg/l	0.0500	0.0482	96	53 - 133	9823
Ethylbenzene	mg/l	0.0500	0.0480	96	77 - 126	3939
Ethylbenzene	mg/l	0.0500	0.0473	95	77 - 126	3939
Ethylbenzene	mg/l	0.0500	0.0473	95	77 - 126	9823
Hexachlorobutadiene	mg/l	0.0500	0.0450	90	52 - 139	3939
Hexachlorobutadiene	mg/l	0.0500	0.0465	93	52 - 139	3939
Hexachlorobutadiene	mg/l	0.0500	0.0465	93	52 - 139	9823
2-Hexanone	mg/l	0.250	0.287	115	61 - 136	3939
2-Hexanone	mg/l	0.250	0.290	116	61 - 136	3939
2-Hexanone	mg/l	0.250	0.290	116	61 - 136	9823
Isopropylbenzene	mg/l	0.0500	0.0486	97	74 - 127	3939
Isopropylbenzene	mg/l	0.0500	0.0478	96	74 - 127	3939
Isopropylbenzene	mg/l	0.0500	0.0478	96	74 - 127	9823
4-Isopropyltoluene	mg/l	0.0500	0.0477	95	69 - 113	3939
4-Isopropyltoluene	mg/l	0.0500	0.0482	96	69 - 113	3939
4-Isopropyltoluene	mg/l	0.0500	0.0482	96	69 - 113	9823
4-Methyl-2-pentanone	mg/l	0.250	0.285	114	63 - 135	3939
4-Methyl-2-pentanone	mg/l	0.250	0.283	113	63 - 135	3939
4-Methyl-2-pentanone	mg/l	0.250	0.283	113	63 - 135	9823
Methylene chloride	mg/l	0.0500	0.0476	95	70 - 130	3939
Methylene chloride	mg/l	0.0500	0.0469	94	70 - 130	3939
Methylene chloride	mg/l	0.0500	0.0469	94	70 - 130	9823
Naphthalene	mg/l	0.0500	0.0546	109	57 - 143	3939
Naphthalene	mg/l	0.0500	0.0539	108	57 - 143	3939

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
-----	-----	-----	-----	-----	-----	-----
Naphthalene	mg/l	0.0500	0.0539	108	57 - 143	9823
n-Propylbenzene	mg/l	0.0500	0.0475	95	71 - 130	3939
n-Propylbenzene	mg/l	0.0500	0.0472	94	71 - 130	3939
n-Propylbenzene	mg/l	0.0500	0.0472	94	71 - 130	9823
Styrene	mg/l	0.0500	0.0518	104	77 - 122	3939
Styrene	mg/l	0.0500	0.0513	103	77 - 122	3939
Styrene	mg/l	0.0500	0.0513	103	77 - 122	9823
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0524	105	71 - 130	3939
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0533	107	71 - 130	3939
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0533	107	71 - 130	9823
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0529	106	57 - 136	3939
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0530	106	57 - 136	3939
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0530	106	57 - 136	9823
Tetrachloroethene	mg/l	0.0500	0.0481	96	72 - 126	3939
Tetrachloroethene	mg/l	0.0500	0.0480	96	72 - 126	3939
Tetrachloroethene	mg/l	0.0500	0.0480	96	72 - 126	9823
Toluene	mg/l	0.0500	0.0476	95	78 - 124	3939
Toluene	mg/l	0.0500	0.0474	95	78 - 124	3939
Toluene	mg/l	0.0500	0.0474	95	78 - 124	9823
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0548	110	58 - 139	3939
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0546	109	58 - 139	3939
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0546	109	58 - 139	9823
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0639	128	60 - 132	3939
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0642	128	60 - 132	3939
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0642	128	60 - 132	9823
1,1,1-Trichloroethane	mg/l	0.0500	0.0479	96	70 - 130	3939
1,1,1-Trichloroethane	mg/l	0.0500	0.0477	95	70 - 130	3939
1,1,1-Trichloroethane	mg/l	0.0500	0.0477	95	70 - 130	9823
1,1,2-Trichloroethane	mg/l	0.0500	0.0505	101	75 - 124	3939
1,1,2-Trichloroethane	mg/l	0.0500	0.0506	101	75 - 124	3939
1,1,2-Trichloroethane	mg/l	0.0500	0.0506	101	75 - 124	9823
Trichloroethene	mg/l	0.0500	0.0480	96	70 - 136	3939
Trichloroethene	mg/l	0.0500	0.0473	95	70 - 136	3939

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
Trichloroethene	mg/l	0.0500	0.0473	95	70 - 136	9823
1,2,3-Trichloropropane	mg/l	0.0500	0.0535	107	63 - 132	3939
1,2,3-Trichloropropane	mg/l	0.0500	0.0552	110	63 - 132	3939
1,2,3-Trichloropropane	mg/l	0.0500	0.0552	110	63 - 132	9823
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0482	96	73 - 127	3939
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0480	96	73 - 127	3939
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0480	96	73 - 127	9823
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0486	97	72 - 128	3939
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0482	96	72 - 128	3939
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0482	96	72 - 128	9823
Vinyl chloride	mg/l	0.0500	0.0449	90	62 - 144	3939
Vinyl chloride	mg/l	0.0500	0.0450	90	62 - 144	3939
Vinyl chloride	mg/l	0.0500	0.0450	90	62 - 144	9823
Xylenes (Total)	mg/l	0.150	0.145	97	76 - 127	3939
Xylenes (Total)	mg/l	0.150	0.144	96	76 - 127	3939
Xylenes (Total)	mg/l	0.150	0.144	96	76 - 127	9823
Bromodichloromethane	mg/l	0.0500	0.0490	98	69 - 130	3939
Bromodichloromethane	mg/l	0.0500	0.0487	97	69 - 130	3939
Bromodichloromethane	mg/l	0.0500	0.0487	97	69 - 130	9823
Trichlorofluoromethane	mg/l	0.0500	0.0468	94	64 - 136	3939
Trichlorofluoromethane	mg/l	0.0500	0.0465	93	64 - 136	3939
Trichlorofluoromethane	mg/l	0.0500	0.0465	93	64 - 136	9823
Methane	mg/L	1.33	1.30	98	82 - 121	6263
Ethene	mg/L	2.32	2.30	99	83 - 120	6263
Ethane	mg/L	2.50	2.50	100	80 - 120	6263
VOA Surr 1,2-DCA-d4	% Rec			96	60 - 158	3939
VOA Surr 1,2-DCA-d4	% Rec			98	60 - 158	3939
VOA Surr 1,2-DCA-d4	% Rec			98	60 - 158	9823
VOA Surr Toluene-d8	% Rec			101	82 - 127	3939
VOA Surr Toluene-d8	% Rec			102	82 - 127	3939
VOA Surr Toluene-d8	% Rec			102	82 - 127	9823
VOA Surr, 4-BFB	% Rec			96	72 - 136	3939
VOA Surr, 4-BFB	% Rec			97	72 - 136	3939

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
-----	-----	-----	-----	-----	-----	-----
VOA Surr, 4-BFB	% Rec			97	72 - 136	9823
VOA Surr, DBFM	% Rec			100	81 - 137	3939
VOA Surr, DBFM	% Rec			100	81 - 137	3939
VOA Surr, DBFM	% Rec			100	81 - 137	9823

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Methane	mg/L	1.33	1.30	98	82 - 121	6263
Ethene	mg/L	2.32	2.30	99	83 - 120	6263
Ethane	mg/L	2.50	2.50	100	80 - 120	6263

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	5.50	100	90 - 110	3349
Sulfate	mg/l	25.0	24.2	97	90 - 110	8059
Total Organic Carbon	mg/l	200.	191.	96	90 - 110	3927
Sulfide	mg/l	20.00	20.00	100	90 - 110	3923
Chloride	mg/l	10.0	9.60	96	90 - 110	5536

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.	3349	02-A92781
Sulfate	mg/l	5.30	5.30	0.00	15.	8059	02-A94666
Chloride	mg/l	330.	318.	3.70	15.	5536	02-A94128

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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Blank Data

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

VOA PARAMETERS					
Acetone	< 0.0084	mg/l	3939	6/12/02	21:51
Acetone	< 0.0084	mg/l	3939	6/13/02	13:33
Acetone	< 0.0084	mg/l	9823	6/13/02	13:33
Benzene	< 0.0007	mg/l	3939	6/12/02	21:51
Benzene	< 0.0007	mg/l	3939	6/13/02	13:33
Benzene	< 0.0007	mg/l	9823	6/13/02	13:33
Bromobenzene	< 0.0007	mg/l	3939	6/12/02	21:51
Bromobenzene	< 0.0007	mg/l	3939	6/13/02	13:33
Bromobenzene	< 0.0007	mg/l	9823	6/13/02	13:33
Bromochloromethane	< 0.0006	mg/l	3939	6/12/02	21:51
Bromochloromethane	< 0.0006	mg/l	3939	6/13/02	13:33
Bromochloromethane	< 0.0006	mg/l	9823	6/13/02	13:33
Bromoform	< 0.0007	mg/l	3939	6/12/02	21:51
Bromoform	< 0.0007	mg/l	3939	6/13/02	13:33
Bromoform	< 0.0007	mg/l	9823	6/13/02	13:33
Bromomethane	< 0.0008	mg/l	3939	6/12/02	21:51
Bromomethane	< 0.0008	mg/l	3939	6/13/02	13:33
Bromomethane	< 0.0008	mg/l	9823	6/13/02	13:33
2-Butanone	< 0.0039	mg/l	3939	6/12/02	21:51
2-Butanone	< 0.0039	mg/l	3939	6/13/02	13:33
2-Butanone	< 0.0039	mg/l	9823	6/13/02	13:33
n-Butylbenzene	< 0.0007	mg/l	3939	6/12/02	21:51
n-Butylbenzene	< 0.0007	mg/l	3939	6/13/02	13:33
n-Butylbenzene	< 0.0007	mg/l	9823	6/13/02	13:33
sec-Butylbenzene	< 0.0008	mg/l	3939	6/12/02	21:51
sec-Butylbenzene	< 0.0008	mg/l	3939	6/13/02	13:33
sec-Butylbenzene	< 0.0008	mg/l	9823	6/13/02	13:33
t-Butylbenzene	< 0.0009	mg/l	3939	6/12/02	21:51
t-Butylbenzene	< 0.0009	mg/l	3939	6/13/02	13:33
t-Butylbenzene	< 0.0009	mg/l	9823	6/13/02	13:33
Carbon disulfide	< 0.0008	mg/l	3939	6/12/02	21:51

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 57870.7

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
Carbon disulfide	< 0.0008	mg/l	3939	6/13/02	13:33
Carbon disulfide	< 0.0008	mg/l	9823	6/13/02	13:33
Carbon tetrachloride	< 0.0007	mg/l	3939	6/12/02	21:51
Carbon tetrachloride	< 0.0007	mg/l	3939	6/13/02	13:33
Carbon tetrachloride	< 0.0007	mg/l	9823	6/13/02	13:33
Chlorobenzene	< 0.0007	mg/l	3939	6/12/02	21:51
Chlorobenzene	< 0.0007	mg/l	3939	6/13/02	13:33
Chlorobenzene	< 0.0007	mg/l	9823	6/13/02	13:33
Chloroethane	< 0.0009	mg/l	3939	6/12/02	21:51
Chloroethane	< 0.0009	mg/l	3939	6/13/02	13:33
Chloroethane	< 0.0009	mg/l	9823	6/13/02	13:33
Chloroform	< 0.0006	mg/l	3939	6/12/02	21:51
Chloroform	< 0.0006	mg/l	3939	6/13/02	13:33
Chloroform	< 0.0006	mg/l	9823	6/13/02	13:33
Chloromethane	< 0.0005	mg/l	3939	6/12/02	21:51
Chloromethane	< 0.0005	mg/l	3939	6/13/02	13:33
Chloromethane	< 0.0005	mg/l	9823	6/13/02	13:33
2-Chlorotoluene	< 0.0007	mg/l	3939	6/12/02	21:51
2-Chlorotoluene	< 0.0007	mg/l	3939	6/13/02	13:33
2-Chlorotoluene	< 0.0007	mg/l	9823	6/13/02	13:33
4-Chlorotoluene	< 0.0006	mg/l	3939	6/12/02	21:51
4-Chlorotoluene	< 0.0006	mg/l	3939	6/13/02	13:33
4-Chlorotoluene	< 0.0006	mg/l	9823	6/13/02	13:33
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	3939	6/12/02	21:51
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	3939	6/13/02	13:33
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	9823	6/13/02	13:33
Dibromochloromethane	< 0.0004	mg/l	3939	6/12/02	21:51
Dibromochloromethane	< 0.0004	mg/l	3939	6/13/02	13:33
Dibromochloromethane	< 0.0004	mg/l	9823	6/13/02	13:33
1,2-Dibromoethane	< 0.0005	mg/l	3939	6/12/02	21:51
1,2-Dibromoethane	< 0.0005	mg/l	3939	6/13/02	13:33
1,2-Dibromoethane	< 0.0005	mg/l	9823	6/13/02	13:33
Dibromomethane	< 0.0004	mg/l	3939	6/12/02	21:51

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Dibromomethane	< 0.0004	mg/l	3939	6/13/02	13:33
Dibromomethane	< 0.0004	mg/l	9823	6/13/02	13:33
1,2-Dichlorobenzene	< 0.0005	mg/l	3939	6/12/02	21:51
1,2-Dichlorobenzene	< 0.0005	mg/l	3939	6/13/02	13:33
1,2-Dichlorobenzene	< 0.0005	mg/l	9823	6/13/02	13:33
1,3-Dichlorobenzene	< 0.0006	mg/l	3939	6/12/02	21:51
1,3-Dichlorobenzene	< 0.0006	mg/l	3939	6/13/02	13:33
1,3-Dichlorobenzene	< 0.0006	mg/l	9823	6/13/02	13:33
1,4-Dichlorobenzene	< 0.0005	mg/l	3939	6/12/02	21:51
1,4-Dichlorobenzene	< 0.0005	mg/l	3939	6/13/02	13:33
1,4-Dichlorobenzene	< 0.0005	mg/l	9823	6/13/02	13:33
Dichlorodifluoromethane	< 0.0004	mg/l	3939	6/12/02	21:51
Dichlorodifluoromethane	< 0.0004	mg/l	3939	6/13/02	13:33
Dichlorodifluoromethane	< 0.0004	mg/l	9823	6/13/02	13:33
1,1-Dichloroethane	< 0.0008	mg/l	3939	6/12/02	21:51
1,1-Dichloroethane	< 0.0008	mg/l	3939	6/13/02	13:33
1,1-Dichloroethane	< 0.0008	mg/l	9823	6/13/02	13:33
1,2-Dichloroethane	< 0.0009	mg/l	3939	6/12/02	21:51
1,2-Dichloroethane	< 0.0009	mg/l	3939	6/13/02	13:33
1,2-Dichloroethane	< 0.0009	mg/l	9823	6/13/02	13:33
1,1-Dichloroethene	< 0.0008	mg/l	3939	6/12/02	21:51
1,1-Dichloroethene	< 0.0008	mg/l	3939	6/13/02	13:33
1,1-Dichloroethene	< 0.0008	mg/l	9823	6/13/02	13:33
cis-1,2-Dichloroethene	< 0.0007	mg/l	3939	6/12/02	21:51
cis-1,2-Dichloroethene	< 0.0007	mg/l	3939	6/13/02	13:33
cis-1,2-Dichloroethene	< 0.0007	mg/l	9823	6/13/02	13:33
trans-1,2-Dichloroethene	< 0.0008	mg/l	3939	6/12/02	21:51
trans-1,2-Dichloroethene	< 0.0008	mg/l	3939	6/13/02	13:33
trans-1,2-Dichloroethene	< 0.0008	mg/l	9823	6/13/02	13:33
1,2-Dichloropropane	< 0.0006	mg/l	3939	6/12/02	21:51
1,2-Dichloropropane	< 0.0006	mg/l	3939	6/13/02	13:33
1,2-Dichloropropane	< 0.0006	mg/l	9823	6/13/02	13:33
1,3-Dichloropropane	< 0.0006	mg/l	3939	6/12/02	21:51

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 57870.7
Page: 14

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
1,3-Dichloropropane	< 0.0006	mg/l	3939	6/13/02	13:33
1,3-Dichloropropane	< 0.0006	mg/l	9823	6/13/02	13:33
2,2-Dichloropropane	< 0.0009	mg/l	3939	6/12/02	21:51
2,2-Dichloropropane	< 0.0009	mg/l	3939	6/13/02	13:33
2,2-Dichloropropane	< 0.0009	mg/l	9823	6/13/02	13:33
1,1-Dichloropropene	< 0.0007	mg/l	3939	6/12/02	21:51
1,1-Dichloropropene	< 0.0007	mg/l	3939	6/13/02	13:33
1,1-Dichloropropene	< 0.0007	mg/l	9823	6/13/02	13:33
cis-1,3-Dichloropropene	< 0.0007	mg/l	3939	6/12/02	21:51
cis-1,3-Dichloropropene	< 0.0007	mg/l	3939	6/13/02	13:33
cis-1,3-Dichloropropene	< 0.0007	mg/l	9823	6/13/02	13:33
trans-1,3-Dichloropropene	< 0.0005	mg/l	3939	6/12/02	21:51
trans-1,3-Dichloropropene	< 0.0005	mg/l	3939	6/13/02	13:33
trans-1,3-Dichloropropene	< 0.0005	mg/l	9823	6/13/02	13:33
Ethylbenzene	< 0.0007	mg/l	3939	6/12/02	21:51
Ethylbenzene	< 0.0007	mg/l	3939	6/13/02	13:33
Ethylbenzene	< 0.0007	mg/l	9823	6/13/02	13:33
Hexachlorobutadiene	< 0.0008	mg/l	3939	6/12/02	21:51
Hexachlorobutadiene	< 0.0008	mg/l	3939	6/13/02	13:33
Hexachlorobutadiene	< 0.0008	mg/l	9823	6/13/02	13:33
2-Hexanone	< 0.0028	mg/l	3939	6/12/02	21:51
2-Hexanone	< 0.0028	mg/l	3939	6/13/02	13:33
2-Hexanone	< 0.0028	mg/l	9823	6/13/02	13:33
Isopropylbenzene	< 0.0008	mg/l	3939	6/12/02	21:51
Isopropylbenzene	< 0.0008	mg/l	3939	6/13/02	13:33
Isopropylbenzene	< 0.0008	mg/l	9823	6/13/02	13:33
4-Isopropyltoluene	< 0.0008	mg/l	3939	6/12/02	21:51
4-Isopropyltoluene	< 0.0008	mg/l	3939	6/13/02	13:33
4-Isopropyltoluene	< 0.0008	mg/l	9823	6/13/02	13:33
4-Methyl-2-pentanone	< 0.0046	mg/l	3939	6/12/02	21:51
4-Methyl-2-pentanone	< 0.0046	mg/l	3939	6/13/02	13:33
4-Methyl-2-pentanone	< 0.0046	mg/l	9823	6/13/02	13:33
Methylene chloride	< 0.0015	mg/l	3939	6/12/02	21:51

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 57870.7
Page: 15

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Methylene chloride	< 0.0015	mg/l	3939	6/13/02	13:33
Methylene chloride	< 0.0015	mg/l	9823	6/13/02	13:33
Naphthalene	< 0.0019	mg/l	3939	6/12/02	21:51
Naphthalene	< 0.0019	mg/l	3939	6/13/02	13:33
Naphthalene	< 0.0019	mg/l	9823	6/13/02	13:33
n-Propylbenzene	< 0.0008	mg/l	3939	6/12/02	21:51
n-Propylbenzene	< 0.0008	mg/l	3939	6/13/02	13:33
n-Propylbenzene	< 0.0008	mg/l	9823	6/13/02	13:33
Styrene	< 0.0009	mg/l	3939	6/12/02	21:51
Styrene	< 0.0009	mg/l	3939	6/13/02	13:33
Styrene	< 0.0009	mg/l	9823	6/13/02	13:33
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	3939	6/12/02	21:51
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	3939	6/13/02	13:33
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	9823	6/13/02	13:33
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	3939	6/12/02	21:51
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	3939	6/13/02	13:33
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	9823	6/13/02	13:33
Tetrachloroethene	< 0.0008	mg/l	3939	6/12/02	21:51
Tetrachloroethene	< 0.0008	mg/l	3939	6/13/02	13:33
Tetrachloroethene	< 0.0008	mg/l	9823	6/13/02	13:33
Toluene	< 0.0007	mg/l	3939	6/12/02	21:51
Toluene	< 0.0007	mg/l	3939	6/13/02	13:33
Toluene	< 0.0007	mg/l	9823	6/13/02	13:33
1,2,3-Trichlorobenzene	< 0.0006	mg/l	3939	6/12/02	21:51
1,2,3-Trichlorobenzene	< 0.0006	mg/l	3939	6/13/02	13:33
1,2,3-Trichlorobenzene	< 0.0006	mg/l	9823	6/13/02	13:33
1,2,4-Trichlorobenzene	< 0.0009	mg/l	3939	6/12/02	21:51
1,2,4-Trichlorobenzene	< 0.0009	mg/l	3939	6/13/02	13:33
1,2,4-Trichlorobenzene	< 0.0009	mg/l	9823	6/13/02	13:33
1,1,1-Trichloroethane	< 0.0007	mg/l	3939	6/12/02	21:51
1,1,1-Trichloroethane	< 0.0007	mg/l	3939	6/13/02	13:33
1,1,1-Trichloroethane	< 0.0007	mg/l	9823	6/13/02	13:33
1,1,2-Trichloroethane	< 0.0005	mg/l	3939	6/12/02	21:51

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 57870.7

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1,2-Trichloroethane	< 0.0005	mg/l	3939	6/13/02	13:33
1,1,2-Trichloroethane	< 0.0005	mg/l	9823	6/13/02	13:33
Trichloroethene	< 0.0009	mg/l	3939	6/12/02	21:51
Trichloroethene	< 0.0009	mg/l	3939	6/13/02	13:33
Trichloroethene	< 0.0009	mg/l	9823	6/13/02	13:33
1,2,3-Trichloropropane	< 0.0004	mg/l	3939	6/12/02	21:51
1,2,3-Trichloropropane	< 0.0004	mg/l	3939	6/13/02	13:33
1,2,3-Trichloropropane	< 0.0004	mg/l	9823	6/13/02	13:33
1,2,4-Trimethylbenzene	< 0.0006	mg/l	3939	6/12/02	21:51
1,2,4-Trimethylbenzene	< 0.0006	mg/l	3939	6/13/02	13:33
1,2,4-Trimethylbenzene	< 0.0006	mg/l	9823	6/13/02	13:33
1,3,5-Trimethylbenzene	< 0.0008	mg/l	3939	6/12/02	21:51
1,3,5-Trimethylbenzene	< 0.0008	mg/l	3939	6/13/02	13:33
1,3,5-Trimethylbenzene	< 0.0008	mg/l	9823	6/13/02	13:33
Vinyl chloride	< 0.0005	mg/l	3939	6/12/02	21:51
Vinyl chloride	< 0.0005	mg/l	3939	6/13/02	13:33
Vinyl chloride	< 0.0005	mg/l	9823	6/13/02	13:33
Xylenes (Total)	< 0.0009	mg/l	3939	6/12/02	21:51
Xylenes (Total)	< 0.0009	mg/l	3939	6/13/02	13:33
Xylenes (Total)	< 0.0009	mg/l	9823	6/13/02	13:33
Bromodichloromethane	< 0.0008	mg/l	3939	6/12/02	21:51
Bromodichloromethane	< 0.0008	mg/l	3939	6/13/02	13:33
Bromodichloromethane	< 0.0008	mg/l	9823	6/13/02	13:33
Trichlorofluoromethane	< 0.0007	mg/l	3939	6/12/02	21:51
Trichlorofluoromethane	< 0.0007	mg/l	3939	6/13/02	13:33
Trichlorofluoromethane	< 0.0007	mg/l	9823	6/13/02	13:33
VOA Surr 1,2-DCA-d4	98.	% Rec	3939	6/12/02	21:51
VOA Surr 1,2-DCA-d4	98.	% Rec	3939	6/13/02	13:33
VOA Surr 1,2-DCA-d4	98.	% Rec	9823	6/13/02	13:33
VOA Surr Toluene-d8	101.	% Rec	3939	6/12/02	21:51
VOA Surr Toluene-d8	101.	% Rec	3939	6/13/02	13:33
VOA Surr Toluene-d8	101.	% Rec	9823	6/13/02	13:33
VOA Surr, 4-BPB	103.	% Rec	3939	6/12/02	21:51

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 57870.7
Page: 17

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
VOA Surr, 4-BFB	104.	% Rec	3939	6/13/02	13:33
VOA Surr, 4-BFB	104.	% Rec	9823	6/13/02	13:33
VOA Surr, DBFM	101.	% Rec	3939	6/12/02	21:51
VOA Surr, DBFM	101.	% Rec	3939	6/13/02	13:33
VOA Surr, DBFM	101.	% Rec	9823	6/13/02	13:33

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
MISC PARAMETERS					
Nitrate-N as N	< 0.100	mg/l	3349	6/ 7/02	22:26
Sulfate	< 1.00	mg/l	8059	6/13/02	9:23
Total Organic Carbon	< 1.00	mg/l	3927	6/ 8/02	7:09
Sulfide	< 2.000	mg/l	3923	6/ 7/02	19:00
Chloride	< 1.00	mg/l	5536	6/11/02	18:02

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
MISC PARAMETERS					
Methane	< 0.026	mg/L	6263	6/12/02	13:55
Ethene	< 0.026	mg/L	6263	6/12/02	13:55
Ethane	< 0.026	mg/L	6263	6/12/02	13:55

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 287708

Method of Shipment: ☐ Air ☐ Sea ☐ Express



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

Compliance Monitoring

Client #: 4947

Project Name: Former Taylor Instruments

Project #: 57870.7

Site/Location ID: Rochester State: NY

Fax: (865) 531-8226

Report To: Rick Ryan Rob Ellis

Invoice To: Rick Ryan

Quote #: 102501.216.2.99 PO#: 6599

[illegible]

June 7 - 8, 2002
Analytical Data

TestAmerica

INCORPORATED

6/20/02

HARDING ESE 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 51870.7 FORMER TAYLOR INSTRUMENT. The Laboratory Project number is 288464. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
W-4	02-A95608	6/ 7/02
TW-13	02-A95609	6/ 7/02
OB-06	02-A95610	6/ 7/02
BR-08	02-A95611	6/ 7/02
BR-17	02-A95612	6/ 7/02
BR-03	02-A95613	6/ 7/02
BR-14	02-A95614	6/ 8/02
BR-01	02-A95615	6/ 8/02
BR-02	02-A95616	6/ 8/02
QATB02	02-A95617	6/ 8/02
QAFB02	02-A95618	6/ 8/02
QARB02	02-A95619	6/ 8/02
BR-06	02-A95620	6/ 8/02
BR-07	02-A95621	6/ 8/02
BR-07 (DUP)	02-A95622	6/ 8/02
W-6	02-A95623	6/ 8/02

TestAmerica

INCORPORATED

Page 2

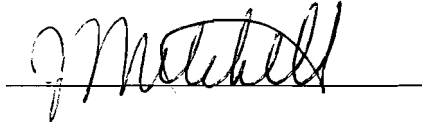
Sample Identification

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:



Report Date: 6/20/02

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

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

HARDING ESE 4997

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

Lab Number: 02-A95608

Sample ID: W-4

Sample Type: Ground water

Site ID:

Project: 51870.7

Project Name: FORMER TAYLOR INSTRUMENT

Sampler: ROB ELLIS

Date Collected: 6/ 7/02

Time Collected: 7:52

Date Received: 6/12/02

Time Received: 9:00

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	6/15/02	15:08	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	15:08	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	15:08	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95608
Sample ID: W-4
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	15:08	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	15:08	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	15:08	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	15:08	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Trichloroethene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95608
 Sample ID: W-4
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	15:08	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	60. - 158.
VOA Surr Toluene-d8	103.	82. - 127.
VOA Surr, 4-BFB	105.	72. - 136.
VOA Surr, DBFM	98.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95609

Sample ID: TW-13

Sample Type: Ground water

Site ID:

Project: 51870.7

Project Name: FORMER TAYLOR INSTRUMENT

Sampler: ROB ELLIS

Date Collected: 6/ 7/02

Time Collected: 9:11

Date Received: 6/12/02

Time Received: 9:00

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	6/15/02	15:38	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	15:38	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	15:38	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95609
Sample ID: TW-13
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	15:38	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	15:38	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	15:38	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	15:38	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Trichloroethene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95609
 Sample ID: TW-13
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	15:38	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	100.	60. - 158.
VOA Surr Toluene-d8	105.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	101.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95610
Sample ID: OB-06
Sample Type: Ground water
Site ID:

Date Collected: 6/ 7/02
Time Collected: 10:48
Date Received: 6/12/02
Time Received: 9:00
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	6/15/02	16:07	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	16:07	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	16:07	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95610
Sample ID: OB-06
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	0.0028	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	16:07	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	16:07	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	16:07	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	16:07	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Trichloroethene	0.184	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95610
 Sample ID: OB-06
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	16:07	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	60. - 158.
VOA Surr Toluene-d8	105.	82. - 127.
VOA Surr, 4-BFB	97.	72. - 136.
VOA Surr, DBFM	100.	81. - 137.

LABORATORY COMMENTS:

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

ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95611
Sample ID: BR-08
Sample Type: Ground water
Site ID:

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/ 7/02
Time Collected: 14:14
Date Received: 6/12/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.649	mg/l	0.0500	1	6/15/02	16:36	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	190
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	16:36	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	16:36	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95611
Sample ID: BR-08
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	0.212	mg/l	0.0200	10	6/16/02	21:46	N. Hurt	8260B	1904
trans-1,2-Dichloroethene	0.0028	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	16:36	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	16:36	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	16:36	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	16:36	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Toluene	0.0094	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Trichloroethene	0.528	mg/l	0.0200	10	6/16/02	21:46	N. Hurt	8260B	1904
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Xylenes (Total)	0.0077	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95611
 Sample ID: BR-08
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	16:36	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	87.	60. - 158.
VOA Surr Toluene-d8	101.	82. - 127.
VOA Surr, 4-BFB	100.	72. - 136.
VOA Surr, DBFM	94.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95612
Sample ID: BR-17
Sample Type: Ground water
Site ID:

Date Collected: 6/ 7/02
Time Collected: 15:28
Date Received: 6/12/02
Time Received: 9:00
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	6/15/02	17:06	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	17:06	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	17:06	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95612
Sample ID: BR-17
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,1-Dichloroethene	0.0050	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	0.198	mg/l	0.0200	10	6/16/02	22:16	N. Hurt	8260B	1904
trans-1,2-Dichloroethene	0.0498	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	17:06	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	17:06	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	17:06	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	17:06	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Trichloroethene	4.54	mg/l	0.200	100	6/16/02	22:45	N. Hurt	8260B	1916
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Vinyl chloride	0.0459	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95612
 Sample ID: BR-17
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	17:06	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	91.	60. - 158.
VOA Surr Toluene-d8	103.	82. - 127.
VOA Surr, 4-BFB	99.	72. - 136.
VOA Surr, DBFM	95.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95613
Sample ID: BR-03
Sample Type: Ground water
Site ID:

Date Collected: 6/ 7/02
Time Collected: 16:42
Date Received: 6/12/02
Time Received: 9:00
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	6/15/02	17:35	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	17:35	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	17:35	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95613
Sample ID: BR-03
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,1-Dichloroethene	0.0028	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	0.0197	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	17:35	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	17:35	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	17:35	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	17:35	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Trichloroethene	0.854	mg/l	0.0200	10	6/16/02	23:14	N. Hurt	8260B	1904
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95613
 Sample ID: BR-03
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	17:35	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	93.	60. - 158.
VOA Surr Toluene-d8	101.	82. - 127.
VOA Surr, 4-BFB	98.	72. - 136.
VOA Surr, DBFM	95.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95614
Sample ID: BR-14
Sample Type: Ground water
Site ID:

Date Collected: 6/ 8/02
Time Collected: 9:04
Date Received: 6/12/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	0.385	mg/l	0.0500	1	6/16/02	20:48	N. Hurt	8260B	1770
Benzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Bromobenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Bromochloromethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Bromoform	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Bromomethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
2-Butanone	ND	mg/l	0.0500	1	6/16/02	20:48	N. Hurt	8260B	1770
n-Butylbenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
sec-Butylbenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
t-Butylbenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Carbon disulfide	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Carbon tetrachloride	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Chlorobenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Chloroethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Chloroform	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Chloromethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
2-Chlorotoluene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
4-Chlorotoluene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/16/02	20:48	N. Hurt	8260B	1770
Dibromochloromethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Dibromomethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95614
Sample ID: BR-14
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Ethylbenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	177
2-Hexanone	ND	mg/l	0.0100	1	6/16/02	20:48	N. Hurt	8260B	1770
Isopropylbenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/16/02	20:48	N. Hurt	8260B	1770
Methylene chloride	ND	mg/l	0.0050	1	6/16/02	20:48	N. Hurt	8260B	1770
Naphthalene	ND	mg/l	0.0050	1	6/16/02	20:48	N. Hurt	8260B	1770
n-Propylbenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Styrene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Tetrachloroethene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Toluene	0.0071	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Trichloroethene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Vinyl chloride	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Xylenes (Total)	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770
Bromodichloromethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95614
 Sample ID: BR-14
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/16/02	20:48	N. Hurt	8260B	1770

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	60. - 158.
VOA Surr Toluene-d8	103.	82. - 127.
VOA Surr, 4-BFB	93.	72. - 136.
VOA Surr, DBFM	95.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95615
Sample ID: BR-01
Sample Type: Ground water
Site ID:

Date Collected: 6/ 8/02
Time Collected: 10:12
Date Received: 6/12/02
Time Received: 9:00
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	6/15/02	18:33	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	190
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	18:33	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	18:33	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95615
Sample ID: BR-01
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	0.0101	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	0.0032	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	18:33	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	18:33	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	18:33	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	18:33	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Trichloroethene	0.0857	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95615
 Sample ID: BR-01
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	18:33	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	60. - 158.
VOA Surr Toluene-d8	108.	82. - 127.
VOA Surr, 4-BFB	102.	72. - 136.
VOA Surr, DBFM	103.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95616
Sample ID: BR-02
Sample Type: Ground water
Site ID:

Date Collected: 6/ 8/02
Time Collected: 11:39
Date Received: 6/12/02
Time Received: 9:00
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	6/15/02	19:03	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	19:03	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	19:03	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95616

Sample ID: BR-02

Project: 51870.7

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	0.122	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	0.0022	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	190
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	19:03	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	19:03	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	19:03	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	19:03	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Trichloroethene	0.568	mg/l	0.0200	10	6/16/02	23:43	N. Hurt	8260B	1904
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95616
 Sample ID: BR-02
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	19:03	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	95.	60. - 158.
VOA Surr Toluene-d8	104.	82. - 127.
VOA Surr, 4-BFB	99.	72. - 136.
VOA Surr, DBFM	96.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95617
Sample ID: QATB02
Sample Type: Ground water
Site ID:

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/ 8/02
Time Collected: 0:00
Date Received: 6/12/02
Time Received: 9:00
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	6/20/02	8:15	C. Wani	8260B	2360
Benzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Bromobenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	236
Bromochloromethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Bromoform	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Bromomethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
2-Butanone	ND	mg/l	0.0500	1	6/20/02	8:15	C. Wani	8260B	2360
n-Butylbenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
sec-Butylbenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
t-Butylbenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Carbon disulfide	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Carbon tetrachloride	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Chlorobenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Chloroethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Chloroform	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Chloromethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
2-Chlorotoluene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
4-Chlorotoluene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/20/02	8:15	C. Wani	8260B	2360
Dibromochloromethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Dibromomethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95617
Sample ID: QATB02
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Ethylbenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
2-Hexanone	ND	mg/l	0.0100	1	6/20/02	8:15	C. Wani	8260B	2360
Isopropylbenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/20/02	8:15	C. Wani	8260B	2360
Methylene chloride	ND	mg/l	0.0050	1	6/20/02	8:15	C. Wani	8260B	2360
Naphthalene	ND	mg/l	0.0050	1	6/20/02	8:15	C. Wani	8260B	2360
n-Propylbenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Styrene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Tetrachloroethene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Toluene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Trichloroethene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Vinyl chloride	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Xylenes (Total)	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360
Bromodichloromethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95617
 Sample ID: QATB02
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/20/02	8:15	C. Wani	8260B	2360

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	105.	60. - 158.
VOA Surr Toluene-d8	104.	82. - 127.
VOA Surr, 4-BFB	99.	72. - 136.
VOA Surr, DBFM	105.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95618

Sample ID: QAFB02

Sample Type: Ground water

Site ID:

Project: 51870.7

Project Name: FORMER TAYLOR INSTRUMENT

Sampler: ROB ELLIS

Date Collected: 6/ 8/02

Time Collected: 12:59

Date Received: 6/12/02

Time Received: 9:00

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	6/15/02	19:32	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	19:32	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	19:32	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95618
Sample ID: QAFB02
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	19:32	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	19:32	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	19:32	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	19:32	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Trichloroethene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95618
 Sample ID: QAFB02
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	19:32	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	110.	60. - 158.
VOA Surr Toluene-d8	110.	82. - 127.
VOA Surr, 4-BFB	100.	72. - 136.
VOA Surr, DBFM	106.	81. - 137.

LABORATORY COMMENTS:

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

ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95619
Sample ID: QARB02
Sample Type: Ground water
Site ID:

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/ 8/02
Time Collected: 13:03
Date Received: 6/12/02
Time Received: 9:00
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	6/15/02	20:01	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	20:01	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	20:01	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95619
Sample ID: QARB02
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	20:01	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	20:01	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	20:01	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	20:01	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Trichloroethene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95619
 Sample ID: QARB02
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	20:01	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	110.	60. - 158.
VOA Surr Toluene-d8	109.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	105.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95620
Sample ID: BR-06
Sample Type: Ground water
Site ID:

Date Collected: 6/ 8/02
Time Collected: 14:19
Date Received: 6/12/02
Time Received: 9:00
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	6/15/02	20:30	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	20:30	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	20:30	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95620
Sample ID: BR-06
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	20:30	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	20:30	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	20:30	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	20:30	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Trichloroethene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95620
 Sample ID: BR-06
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	20:30	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	114.	60. - 158.
VOA Surr Toluene-d8	107.	82. - 127.
VOA Surr, 4-BFB	102.	72. - 136.
VOA Surr, DBFM	106.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95621
Sample ID: BR-07
Sample Type: Ground water
Site ID:

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/ 8/02
Time Collected: 15:45
Date Received: 6/12/02
Time Received: 9:00
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	6/15/02	21:00	N. Hurt	8260B	1900
Benzene	0.0077	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	21:00	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	21:00	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95621
Sample ID: BR-07
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	0.0329	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	0.0144	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	21:00	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	21:00	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	21:00	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	21:00	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Trichloroethene	0.0049	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Vinyl chloride	0.119	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95621
Sample ID: BR-07
Project: 51870.7
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	21:00	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	60. - 158.
VOA Surr Toluene-d8	110.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	107.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95622
Sample ID: BR-07 (DUP)
Sample Type: Ground water
Site ID:

Date Collected: 6/ 8/02
Time Collected: 15:45
Date Received: 6/12/02
Time Received: 9:00
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	6/15/02	21:29	N. Hurt	8260B	1900
Benzene	0.0076	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	21:29	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	21:29	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95622
Sample ID: BR-07 (DUP)
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	0.0310	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	21:29	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	21:29	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	21:29	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	21:29	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Trichloroethene	0.0044	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Vinyl chloride	0.110	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95622
 Sample ID: BR-07 (DUP)
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	21:29	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	117.	60. - 158.
VOA Surr Toluene-d8	109.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	107.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95623
Sample ID: W-6
Sample Type: Ground water
Site ID:

Date Collected: 6/ 8/02
Time Collected: 16:17
Date Received: 6/12/02
Time Received: 9:00
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	6/15/02	21:58	N. Hurt	8260B	1900
Benzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Bromobenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Bromochloromethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Bromoform	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Bromomethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
2-Butanone	ND	mg/l	0.0500	1	6/15/02	21:58	N. Hurt	8260B	1900
n-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
sec-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
t-Butylbenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Carbon disulfide	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Carbon tetrachloride	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Chlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Chloroethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Chloroform	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Chloromethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
2-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
4-Chlorotoluene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/15/02	21:58	N. Hurt	8260B	1900
Dibromochloromethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Dibromomethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95623
Sample ID: W-6
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
cis-1,2-Dichloroethene	0.0103	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Ethylbenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
2-Hexanone	ND	mg/l	0.0100	1	6/15/02	21:58	N. Hurt	8260B	1900
Isopropylbenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/15/02	21:58	N. Hurt	8260B	1900
Methylene chloride	ND	mg/l	0.0050	1	6/15/02	21:58	N. Hurt	8260B	1900
Naphthalene	ND	mg/l	0.0050	1	6/15/02	21:58	N. Hurt	8260B	1900
n-Propylbenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Styrene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Tetrachloroethene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Toluene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Trichloroethene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Vinyl chloride	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Xylenes (Total)	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900
Bromodichloromethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95623
 Sample ID: W-6
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/15/02	21:58	N. Hurt	8260B	1900

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	117.	60. - 158.
VOA Surr Toluene-d8	110.	82. - 127.
VOA Surr, 4-BFB	107.	72. - 136.
VOA Surr, DBFM	106.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	< 0.0007	0.0470	0.0500	94	70. - 136.	1770	blank
Benzene	mg/l	< 0.0020	0.0470	0.0500	94	70. - 136.	1900	02-A95620
Benzene	mg/l	< 0.0007	0.0654	0.0500	131	70. - 136.	2360	blank
Chlorobenzene	mg/l	< 0.0007	0.0486	0.0500	97	70. - 132.	1770	blank
Chlorobenzene	mg/l	< 0.0020	0.0486	0.0500	97	70. - 132.	1900	02-A95620
Chlorobenzene	mg/l	< 0.0007	0.0649	0.0500	130	70. - 132.	2360	blank
1,1-Dichloroethene	mg/l	< 0.0008	0.0472	0.0500	94	60. - 145.	1770	blank
1,1-Dichloroethene	mg/l	< 0.0020	0.0472	0.0500	94	60. - 145.	1900	02-A95620
1,1-Dichloroethene	mg/l	< 0.0008	0.0700	0.0500	140	60. - 145.	2360	blank
Toluene	mg/l	< 0.0007	0.0457	0.0500	91	69. - 137.	1770	blank
Toluene	mg/l	< 0.0020	0.0457	0.0500	91	69. - 137.	1900	02-A95620
Toluene	mg/l	< 0.0007	0.0688	0.0500	138#	69. - 137.	2360	blank
Trichloroethene	mg/l	< 0.0009	0.0471	0.0500	94	63. - 149.	1770	blank
Trichloroethene	mg/l	< 0.0020	0.0471	0.0500	94	63. - 149.	1900	02-A95620
Trichloroethene	mg/l	< 0.0009	0.0711	0.0500	142	63. - 149.	2360	blank
Tetrachloroethene	mg/l	< 0.0008	0.0476	0.0500	95	60. - 140.	1770	blank
Tetrachloroethene	mg/l	< 0.0020	0.0476	0.0500	95	60. - 140.	1900	02-A95620
Tetrachloroethene	mg/l	< 0.0008	0.0678	0.0500	136	60. - 140.	2360	blank
VOA Surr 1,2-DCA-d4	% Rec				93	60. - 158.	1770	
VOA Surr 1,2-DCA-d4	% Rec				93	60. - 158.	1900	
VOA Surr 1,2-DCA-d4	% Rec				104	60. - 158.	2360	
VOA Surr Toluene-d8	% Rec				102	82. - 127.	1770	
VOA Surr Toluene-d8	% Rec				102	82. - 127.	1900	
VOA Surr Toluene-d8	% Rec				104	82. - 127.	2360	
VOA Surr, 4-BFB	% Rec				97	72. - 136.	1770	
VOA Surr, 4-BFB	% Rec				97	72. - 136.	1900	
VOA Surr, 4-BFB	% Rec				98	72. - 136.	2360	
VOA Surr, DBFM	% Rec				96	81. - 137.	1770	
VOA Surr, DBFM	% Rec				96	81. - 137.	1900	
VOA Surr, DBFM	% Rec				108	81. - 137.	2360	

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
 Project Number: 51870.7
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Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Benzene	mg/l	0.0470	0.0545	14.78	21.	1770
Benzene	mg/l	0.0470	0.0545	14.78	21.	1900
Benzene	mg/l	0.0654	0.0503	26.10#	21.	2360
Chlorobenzene	mg/l	0.0486	0.0522	7.14	25.	1770
Chlorobenzene	mg/l	0.0486	0.0522	7.14	25.	1900
Chlorobenzene	mg/l	0.0649	0.0492	27.52#	25.	2360
1,1-Dichloroethene	mg/l	0.0472	0.0535	12.51	26.	1770
1,1-Dichloroethene	mg/l	0.0472	0.0535	12.51	26.	1900
1,1-Dichloroethene	mg/l	0.0700	0.0526	28.38#	26.	2360
Toluene	mg/l	0.0457	0.0527	14.23	22.	1770
Toluene	mg/l	0.0457	0.0527	14.23	22.	1900
Toluene	mg/l	0.0688	0.0514	28.95#	22.	2360
Trichloroethene	mg/l	0.0471	0.0530	11.79	28.	1770
Trichloroethene	mg/l	0.0471	0.0530	11.79	28.	1900
Trichloroethene	mg/l	0.0711	0.0528	29.54#	28.	2360
Tetrachloroethene	mg/l	0.0476	0.0561	16.39	24.	1770
Tetrachloroethene	mg/l	0.0476	0.0561	16.39	24.	1900
Tetrachloroethene	mg/l	0.0678	0.0506	29.05#	24.	2360
VOA Surr 1,2-DCA-d4	% Rec		95.			1770
VOA Surr 1,2-DCA-d4	% Rec		95.			1900
VOA Surr 1,2-DCA-d4	% Rec		101.			2360
VOA Surr Toluene-d8	% Rec		104.			1770
VOA Surr Toluene-d8	% Rec		104.			1900
VOA Surr Toluene-d8	% Rec		103.			2360
VOA Surr, 4-BFB	% Rec		101.			1770
VOA Surr, 4-BFB	% Rec		101.			1900
VOA Surr, 4-BFB	% Rec		98.			2360
VOA Surr, DBFM	% Rec		99.			1770
VOA Surr, DBFM	% Rec		99.			1900
VOA Surr, DBFM	% Rec		107.			2360

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Acetone	mg/l	0.250	0.273	109	54 - 153	1900
Acetone	mg/l	0.250	0.290	116	54 - 153	1770
Acetone	mg/l	0.250	0.229	92	54 - 153	2360
Benzene	mg/l	0.0500	0.0523	105	79 - 124	1900
Benzene	mg/l	0.0500	0.0528	106	79 - 124	1770
Benzene	mg/l	0.0500	0.0504	101	79 - 124	2360
Bromobenzene	mg/l	0.0500	0.0513	103	76 - 122	1900
Bromobenzene	mg/l	0.0500	0.0469	94	76 - 122	1770
Bromobenzene	mg/l	0.0500	0.0481	96	76 - 122	2360
Bromochloromethane	mg/l	0.0500	0.0505	101	71 - 134	1900
Bromochloromethane	mg/l	0.0500	0.0499	100	71 - 134	1770
Bromochloromethane	mg/l	0.0500	0.0530	106	71 - 134	2360
Bromoform	mg/l	0.0500	0.0478	96	66 - 124	1900
Bromoform	mg/l	0.0500	0.0504	101	66 - 124	1770
Bromoform	mg/l	0.0500	0.0513	103	66 - 124	2360
Bromomethane	mg/l	0.0500	0.0452	90	51 - 145	1900
Bromomethane	mg/l	0.0500	0.0438	88	51 - 145	1770
Bromomethane	mg/l	0.0500	0.0560	112	51 - 145	2360
2-Butanone	mg/l	0.250	0.255	102	62 - 134	1900
2-Butanone	mg/l	0.250	0.300	120	62 - 134	1770
2-Butanone	mg/l	0.250	0.238	95	62 - 134	2360
n-Butylbenzene	mg/l	0.0500	0.0522	104	61 - 136	1900
n-Butylbenzene	mg/l	0.0500	0.0503	101	61 - 136	1770
n-Butylbenzene	mg/l	0.0500	0.0436	87	61 - 136	2360
sec-Butylbenzene	mg/l	0.0500	0.0491	98	69 - 130	1900
sec-Butylbenzene	mg/l	0.0500	0.0487	97	69 - 130	1770
sec-Butylbenzene	mg/l	0.0500	0.0464	93	69 - 130	2360
t-Butylbenzene	mg/l	0.0500	0.0498	100	66 - 129	1900
t-Butylbenzene	mg/l	0.0500	0.0475	95	66 - 129	1770
t-Butylbenzene	mg/l	0.0500	0.0484	97	66 - 129	2360
Carbon disulfide	mg/l	0.0500	0.0502	100	71 - 129	1900

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Carbon disulfide	mg/l	0.0500	0.0530	106	71 - 129	1770
Carbon disulfide	mg/l	0.0500	0.0504	101	71 - 129	2360
Carbon tetrachloride	mg/l	0.0500	0.0473	95	70 - 130	1900
Carbon tetrachloride	mg/l	0.0500	0.0513	103	70 - 130	1770
Carbon tetrachloride	mg/l	0.0500	0.0595	119	70 - 130	2360
Chlorobenzene	mg/l	0.0500	0.0512	102	80 - 118	1900
Chlorobenzene	mg/l	0.0500	0.0504	101	80 - 118	1770
Chlorobenzene	mg/l	0.0500	0.0501	100	80 - 118	2360
Chloroethane	mg/l	0.0500	0.0529	106	59 - 144	1900
Chloroethane	mg/l	0.0500	0.0524	105	59 - 144	1770
Chloroethane	mg/l	0.0500	0.0506	101	59 - 144	2360
Chloroform	mg/l	0.0500	0.0523	105	74 - 123	1900
Chloroform	mg/l	0.0500	0.0486	97	74 - 123	1770
Chloroform	mg/l	0.0500	0.0533	107	74 - 123	2360
Chloromethane	mg/l	0.0500	0.0567	113	47 - 155	1900
Chloromethane	mg/l	0.0500	0.0508	102	47 - 155	1770
Chloromethane	mg/l	0.0500	0.0544	109	47 - 155	2360
2-Chlorotoluene	mg/l	0.0500	0.0457	91	74 - 126	1900
2-Chlorotoluene	mg/l	0.0500	0.0426	85	74 - 126	1770
2-Chlorotoluene	mg/l	0.0500	0.0502	100	74 - 126	2360
4-Chlorotoluene	mg/l	0.0500	0.0440	88	75 - 125	1900
4-Chlorotoluene	mg/l	0.0500	0.0413	83	75 - 125	1770
4-Chlorotoluene	mg/l	0.0500	0.0498	100	75 - 125	2360
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0502	100	58 - 133	1900
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0525	105	58 - 133	1770
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0449	90	58 - 133	2360
Dibromochloromethane	mg/l	0.0500	0.0516	103	73 - 125	1900
Dibromochloromethane	mg/l	0.0500	0.0530	106	73 - 125	1770
Dibromochloromethane	mg/l	0.0500	0.0515	103	73 - 125	2360
1,2-Dibromoethane	mg/l	0.0500	0.0496	99	74 - 125	1900
1,2-Dibromoethane	mg/l	0.0500	0.0530	106	74 - 125	1770
1,2-Dibromoethane	mg/l	0.0500	0.0510	102	74 - 125	2360
Dibromomethane	mg/l	0.0500	0.0614	123	71 - 130	1900

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
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Dibromomethane	mg/l	0.0500	0.0643	129	71 - 130	1770
Dibromomethane	mg/l	0.0500	0.0500	100	71 - 130	2360
1,2-Dichlorobenzene	mg/l	0.0500	0.0513	103	76 - 122	1900
1,2-Dichlorobenzene	mg/l	0.0500	0.0526	105	76 - 122	1770
1,2-Dichlorobenzene	mg/l	0.0500	0.0508	102	76 - 122	2360
1,3-Dichlorobenzene	mg/l	0.0500	0.0529	106	75 - 122	1900
1,3-Dichlorobenzene	mg/l	0.0500	0.0505	101	75 - 122	1770
1,3-Dichlorobenzene	mg/l	0.0500	0.0505	101	75 - 122	2360
1,4-Dichlorobenzene	mg/l	0.0500	0.0533	107	76 - 119	1900
1,4-Dichlorobenzene	mg/l	0.0500	0.0510	102	76 - 119	1770
1,4-Dichlorobenzene	mg/l	0.0500	0.0485	97	76 - 119	2360
Dichlorodifluoromethane	mg/l	0.0500	0.0517	103	53 - 151	1900
Dichlorodifluoromethane	mg/l	0.0500	0.0505	101	53 - 151	1770
Dichlorodifluoromethane	mg/l	0.0500	0.0582	116	53 - 151	2360
1,1-Dichloroethane	mg/l	0.0500	0.0510	102	76 - 127	1900
1,1-Dichloroethane	mg/l	0.0500	0.0498	100	76 - 127	1770
1,1-Dichloroethane	mg/l	0.0500	0.0484	97	76 - 127	2360
1,2-Dichloroethane	mg/l	0.0500	0.0537	107	66 - 133	1900
1,2-Dichloroethane	mg/l	0.0500	0.0536	107	66 - 133	1770
1,2-Dichloroethane	mg/l	0.0500	0.0523	105	66 - 133	2360
1,1-Dichloroethene	mg/l	0.0500	0.0477	95	72 - 127	1900
1,1-Dichloroethene	mg/l	0.0500	0.0526	105	72 - 127	1770
1,1-Dichloroethene	mg/l	0.0500	0.0624	125	72 - 127	2360
cis-1,2-Dichloroethene	mg/l	0.0500	0.0523	105	74 - 127	1900
cis-1,2-Dichloroethene	mg/l	0.0500	0.0523	105	74 - 127	1770
cis-1,2-Dichloroethene	mg/l	0.0500	0.0523	105	74 - 127	1904
cis-1,2-Dichloroethene	mg/l	0.0500	0.0503	101	74 - 127	2360
trans-1,2-Dichloroethene	mg/l	0.0500	0.0484	97	70 - 132	1900
trans-1,2-Dichloroethene	mg/l	0.0500	0.0482	96	70 - 132	1770
trans-1,2-Dichloroethene	mg/l	0.0500	0.0502	100	70 - 132	2360
1,2-Dichloropropane	mg/l	0.0500	0.0543	109	76 - 124	1900
1,2-Dichloropropane	mg/l	0.0500	0.0538	108	76 - 124	1770
1,2-Dichloropropane	mg/l	0.0500	0.0499	100	76 - 124	2360

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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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	0.0514	103	72 - 129	1900
1,3-Dichloropropane	mg/l	0.0500	0.0549	110	72 - 129	1770
1,3-Dichloropropane	mg/l	0.0500	0.0524	105	72 - 129	2360
2,2-Dichloropropane	mg/l	0.0500	0.0526	105	33 - 152	1900
2,2-Dichloropropane	mg/l	0.0500	0.0540	108	33 - 152	1770
2,2-Dichloropropane	mg/l	0.0500	0.0395	79	33 - 152	2360
1,1-Dichloropropene	mg/l	0.0500	0.0488	98	73 - 127	1900
1,1-Dichloropropene	mg/l	0.0500	0.0531	106	73 - 127	1770
1,1-Dichloropropene	mg/l	0.0500	0.0534	107	73 - 127	2360
cis-1,3-Dichloropropene	mg/l	0.0500	0.0522	104	58 - 131	1900
cis-1,3-Dichloropropene	mg/l	0.0500	0.0502	100	58 - 131	1770
cis-1,3-Dichloropropene	mg/l	0.0500	0.0478	96	58 - 131	2360
trans-1,3-Dichloropropene	mg/l	0.0500	0.0594	119	53 - 133	1900
trans-1,3-Dichloropropene	mg/l	0.0500	0.0597	119	53 - 133	1770
trans-1,3-Dichloropropene	mg/l	0.0500	0.0487	97	53 - 133	2360
Ethylbenzene	mg/l	0.0500	0.0496	99	77 - 126	1900
Ethylbenzene	mg/l	0.0500	0.0491	98	77 - 126	1770
Ethylbenzene	mg/l	0.0500	0.0523	105	77 - 126	2360
Hexachlorobutadiene	mg/l	0.0500	0.0486	97	52 - 139	1900
Hexachlorobutadiene	mg/l	0.0500	0.0476	95	52 - 139	1770
Hexachlorobutadiene	mg/l	0.0500	0.0518	104	52 - 139	2360
2-Hexanone	mg/l	0.250	0.249	100	61 - 136	1900
2-Hexanone	mg/l	0.250	0.280	112	61 - 136	1770
2-Hexanone	mg/l	0.250	0.223	89	61 - 136	2360
Isopropylbenzene	mg/l	0.0500	0.0471	94	74 - 127	1900
Isopropylbenzene	mg/l	0.0500	0.0448	90	74 - 127	1770
Isopropylbenzene	mg/l	0.0500	0.0487	97	74 - 127	2360
4-Isopropyltoluene	mg/l	0.0500	0.0522	104	69 - 113	1900
4-Isopropyltoluene	mg/l	0.0500	0.0492	98	69 - 113	1770
4-Isopropyltoluene	mg/l	0.0500	0.0470	94	69 - 113	2360
4-Methyl-2-pentanone	mg/l	0.250	0.241	96	63 - 135	1900
4-Methyl-2-pentanone	mg/l	0.250	0.268	107	63 - 135	1770
4-Methyl-2-pentanone	mg/l	0.250	0.229	92	63 - 135	2360

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Methylene chloride	mg/l	0.0500	0.0540	108	70 - 130	1900
Methylene chloride	mg/l	0.0500	0.0528	106	70 - 130	1770
Methylene chloride	mg/l	0.0500	0.0524	105	70 - 130	2360
Naphthalene	mg/l	0.0500	0.0487	97	57 - 143	1900
Naphthalene	mg/l	0.0500	0.0494	99	57 - 143	1770
Naphthalene	mg/l	0.0500	0.0430	86	57 - 143	2360
n-Propylbenzene	mg/l	0.0500	0.0484	97	71 - 130	1900
n-Propylbenzene	mg/l	0.0500	0.0465	93	71 - 130	1770
n-Propylbenzene	mg/l	0.0500	0.0491	98	71 - 130	2360
Styrene	mg/l	0.0500	0.0536	107	77 - 122	1900
Styrene	mg/l	0.0500	0.0512	102	77 - 122	1770
Styrene	mg/l	0.0500	0.0513	103	77 - 122	2360
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0530	106	71 - 130	1900
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0485	97	71 - 130	1770
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0560	112	71 - 130	2360
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0505	101	57 - 136	1900
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0567	113	57 - 136	1770
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0451	90	57 - 136	2360
Tetrachloroethene	mg/l	0.0500	0.0512	102	72 - 126	1900
Tetrachloroethene	mg/l	0.0500	0.0520	104	72 - 126	1770
Tetrachloroethene	mg/l	0.0500	0.0515	103	72 - 126	2360
Toluene	mg/l	0.0500	0.0505	101	78 - 124	1900
Toluene	mg/l	0.0500	0.0498	100	78 - 124	1770
Toluene	mg/l	0.0500	0.0521	104	78 - 124	2360
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0641	128	58 - 139	1900
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0628	126	58 - 139	1770
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0483	97	58 - 139	2360
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0493	99	60 - 132	1900
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0490	98	60 - 132	1770
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0439	88	60 - 132	2360
1,1,1-Trichloroethane	mg/l	0.0500	0.0453	91	70 - 130	1900
1,1,1-Trichloroethane	mg/l	0.0500	0.0473	95	70 - 130	1770
1,1,1-Trichloroethane	mg/l	0.0500	0.0547	109	70 - 130	2360

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
1,1,2-Trichloroethane	mg/l	0.0500	0.0500	100	75 - 124	1900
1,1,2-Trichloroethane	mg/l	0.0500	0.0532	106	75 - 124	1770
1,1,2-Trichloroethane	mg/l	0.0500	0.0504	101	75 - 124	2360
Trichloroethene	mg/l	0.0500	0.0512	102	70 - 136	1900
Trichloroethene	mg/l	0.0500	0.0529	106	70 - 136	1770
Trichloroethene	mg/l	0.0500	0.0529	106	70 - 136	1904
Trichloroethene	mg/l	0.0500	0.0529	106	70 - 136	1916
Trichloroethene	mg/l	0.0500	0.0552	110	70 - 136	2360
1,2,3-Trichloropropane	mg/l	0.0500	0.0372	74	63 - 132	1900
1,2,3-Trichloropropane	mg/l	0.0500	0.0394	79	63 - 132	1770
1,2,3-Trichloropropane	mg/l	0.0500	0.0510	102	63 - 132	2360
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0468	94	73 - 127	1900
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0453	91	73 - 127	1770
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0524	105	73 - 127	2360
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0467	93	72 - 128	1900
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0444	89	72 - 128	1770
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0520	104	72 - 128	2360
Vinyl chloride	mg/l	0.0500	0.0531	106	62 - 144	1900
Vinyl chloride	mg/l	0.0500	0.0550	110	62 - 144	1770
Vinyl chloride	mg/l	0.0500	0.0517	103	62 - 144	2360
Xylenes (Total)	mg/l	0.150	0.159	106	76 - 127	1900
Xylenes (Total)	mg/l	0.150	0.151	101	76 - 127	1770
Xylenes (Total)	mg/l	0.150	0.156	104	76 - 127	2360
Bromodichloromethane	mg/l	0.0500	0.0491	98	69 - 130	1900
Bromodichloromethane	mg/l	0.0500	0.0469	94	69 - 130	1770
Bromodichloromethane	mg/l	0.0500	0.0546	109	69 - 130	2360
Trichlorofluoromethane	mg/l	0.0500	0.0438	88	64 - 136	1900
Trichlorofluoromethane	mg/l	0.0500	0.0470	94	64 - 136	1770
Trichlorofluoromethane	mg/l	0.0500	0.0549	110	64 - 136	2360

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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VOA Surr 1,2-DCA-d4	% Rec	96	60 - 158	1900
VOA Surr 1,2-DCA-d4	% Rec	92	60 - 158	1770
VOA Surr 1,2-DCA-d4	% Rec	92	60 - 158	1904
VOA Surr 1,2-DCA-d4	% Rec	92	60 - 158	1916
VOA Surr 1,2-DCA-d4	% Rec	106	60 - 158	2360
VOA Surr Toluene-d8	% Rec	101	82 - 127	1900
VOA Surr Toluene-d8	% Rec	104	82 - 127	1770
VOA Surr Toluene-d8	% Rec	104	82 - 127	1904
VOA Surr Toluene-d8	% Rec	104	82 - 127	1916
VOA Surr Toluene-d8	% Rec	104	82 - 127	2360
VOA Surr, 4-BFB	% Rec	99	72 - 136	1900
VOA Surr, 4-BFB	% Rec	98	72 - 136	1770
VOA Surr, 4-BFB	% Rec	98	72 - 136	1904
VOA Surr, 4-BFB	% Rec	98	72 - 136	1916
VOA Surr, 4-BFB	% Rec	99	72 - 136	2360
VOA Surr, DBFM	% Rec	95	81 - 137	1900
VOA Surr, DBFM	% Rec	98	81 - 137	1770
VOA Surr, DBFM	% Rec	98	81 - 137	1904
VOA Surr, DBFM	% Rec	98	81 - 137	1916
VOA Surr, DBFM	% Rec	109	81 - 137	2360

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
VOA PARAMETERS					
Acetone	< 0.0084	mg/l	1900	6/15/02	11:37
Acetone	< 0.0084	mg/l	1770	6/16/02	15:52
Acetone	< 0.0084	mg/l	2360	6/20/02	5:14
Benzene	< 0.0007	mg/l	1900	6/15/02	11:37
Benzene	< 0.0007	mg/l	1770	6/16/02	15:52
Benzene	< 0.0007	mg/l	2360	6/20/02	5:14
Bromobenzene	< 0.0007	mg/l	1900	6/15/02	11:37
Bromobenzene	< 0.0007	mg/l	1770	6/16/02	15:52
Bromobenzene	< 0.0007	mg/l	2360	6/20/02	5:14
Bromochloromethane	< 0.0006	mg/l	1900	6/15/02	11:37
Bromochloromethane	< 0.0006	mg/l	1770	6/16/02	15:52

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
Bromochloromethane	< 0.0006	mg/l	2360	6/20/02	5:14
Bromoform	< 0.0007	mg/l	1900	6/15/02	11:37
Bromoform	< 0.0007	mg/l	1770	6/16/02	15:52
Bromoform	< 0.0007	mg/l	2360	6/20/02	5:14
Bromomethane	< 0.0008	mg/l	1900	6/15/02	11:37
Bromomethane	< 0.0008	mg/l	1770	6/16/02	15:52
Bromomethane	< 0.0008	mg/l	2360	6/20/02	5:14
2-Butanone	< 0.0039	mg/l	1900	6/15/02	11:37
2-Butanone	< 0.0039	mg/l	1770	6/16/02	15:52
2-Butanone	< 0.0039	mg/l	2360	6/20/02	5:14
n-Butylbenzene	< 0.0007	mg/l	1900	6/15/02	11:37
n-Butylbenzene	< 0.0007	mg/l	1770	6/16/02	15:52
n-Butylbenzene	< 0.0007	mg/l	2360	6/20/02	5:14
sec-Butylbenzene	< 0.0008	mg/l	1900	6/15/02	11:37
sec-Butylbenzene	< 0.0008	mg/l	1770	6/16/02	15:52
sec-Butylbenzene	< 0.0008	mg/l	2360	6/20/02	5:14
t-Butylbenzene	< 0.0009	mg/l	1900	6/15/02	11:37
t-Butylbenzene	< 0.0009	mg/l	1770	6/16/02	15:52
t-Butylbenzene	< 0.0009	mg/l	2360	6/20/02	5:14
Carbon disulfide	< 0.0008	mg/l	1900	6/15/02	11:37
Carbon disulfide	< 0.0008	mg/l	1770	6/16/02	15:52
Carbon disulfide	< 0.0008	mg/l	2360	6/20/02	5:14
Carbon tetrachloride	< 0.0007	mg/l	1900	6/15/02	11:37
Carbon tetrachloride	< 0.0007	mg/l	1770	6/16/02	15:52
Carbon tetrachloride	< 0.0007	mg/l	2360	6/20/02	5:14
Chlorobenzene	< 0.0007	mg/l	1900	6/15/02	11:37
Chlorobenzene	< 0.0007	mg/l	1770	6/16/02	15:52
Chlorobenzene	< 0.0007	mg/l	2360	6/20/02	5:14
Chloroethane	< 0.0009	mg/l	1900	6/15/02	11:37
Chloroethane	< 0.0009	mg/l	1770	6/16/02	15:52
Chloroethane	< 0.0009	mg/l	2360	6/20/02	5:14
Chloroform	< 0.0006	mg/l	1900	6/15/02	11:37
Chloroform	< 0.0006	mg/l	1770	6/16/02	15:52

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
Page: 11

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
Chloroform	< 0.0006	mg/l	2360	6/20/02	5:14
Chloromethane	< 0.0005	mg/l	1900	6/15/02	11:37
Chloromethane	< 0.0005	mg/l	1770	6/16/02	15:52
Chloromethane	< 0.0005	mg/l	2360	6/20/02	5:14
2-Chlorotoluene	< 0.0007	mg/l	1900	6/15/02	11:37
2-Chlorotoluene	< 0.0007	mg/l	1770	6/16/02	15:52
2-Chlorotoluene	< 0.0007	mg/l	2360	6/20/02	5:14
4-Chlorotoluene	< 0.0006	mg/l	1900	6/15/02	11:37
4-Chlorotoluene	< 0.0006	mg/l	1770	6/16/02	15:52
4-Chlorotoluene	< 0.0006	mg/l	2360	6/20/02	5:14
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	1900	6/15/02	11:37
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	1770	6/16/02	15:52
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	2360	6/20/02	5:14
Dibromochloromethane	< 0.0004	mg/l	1900	6/15/02	11:37
Dibromochloromethane	< 0.0004	mg/l	1770	6/16/02	15:52
Dibromochloromethane	< 0.0004	mg/l	2360	6/20/02	5:14
1,2-Dibromoethane	< 0.0005	mg/l	1900	6/15/02	11:37
1,2-Dibromoethane	< 0.0005	mg/l	1770	6/16/02	15:52
1,2-Dibromoethane	< 0.0005	mg/l	2360	6/20/02	5:14
Dibromomethane	< 0.0004	mg/l	1900	6/15/02	11:37
Dibromomethane	< 0.0004	mg/l	1770	6/16/02	15:52
Dibromomethane	< 0.0004	mg/l	2360	6/20/02	5:14
1,2-Dichlorobenzene	< 0.0005	mg/l	1900	6/15/02	11:37
1,2-Dichlorobenzene	< 0.0005	mg/l	1770	6/16/02	15:52
1,2-Dichlorobenzene	< 0.0005	mg/l	2360	6/20/02	5:14
1,3-Dichlorobenzene	< 0.0006	mg/l	1900	6/15/02	11:37
1,3-Dichlorobenzene	< 0.0006	mg/l	1770	6/16/02	15:52
1,3-Dichlorobenzene	< 0.0006	mg/l	2360	6/20/02	5:14
1,4-Dichlorobenzene	< 0.0005	mg/l	1900	6/15/02	11:37
1,4-Dichlorobenzene	< 0.0005	mg/l	1770	6/16/02	15:52
1,4-Dichlorobenzene	< 0.0005	mg/l	2360	6/20/02	5:14
Dichlorodifluoromethane	< 0.0004	mg/l	1900	6/15/02	11:37
Dichlorodifluoromethane	< 0.0004	mg/l	1770	6/16/02	15:52

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
Dichlorodifluoromethane	< 0.0004	mg/l	2360	6/20/02	5:14
1,1-Dichloroethane	< 0.0008	mg/l	1900	6/15/02	11:37
1,1-Dichloroethane	< 0.0008	mg/l	1770	6/16/02	15:52
1,1-Dichloroethane	< 0.0008	mg/l	2360	6/20/02	5:14
1,2-Dichloroethane	< 0.0009	mg/l	1900	6/15/02	11:37
1,2-Dichloroethane	< 0.0009	mg/l	1770	6/16/02	15:52
1,2-Dichloroethane	< 0.0009	mg/l	2360	6/20/02	5:14
1,1-Dichloroethene	< 0.0008	mg/l	1900	6/15/02	11:37
1,1-Dichloroethene	< 0.0008	mg/l	1770	6/16/02	15:52
1,1-Dichloroethene	< 0.0008	mg/l	2360	6/20/02	5:14
cis-1,2-Dichloroethene	< 0.0007	mg/l	1900	6/15/02	11:37
cis-1,2-Dichloroethene	< 0.0007	mg/l	1770	6/16/02	15:52
cis-1,2-Dichloroethene	< 0.0007	mg/l	1904	6/16/02	15:52
cis-1,2-Dichloroethene	< 0.0007	mg/l	2360	6/20/02	5:14
trans-1,2-Dichloroethene	< 0.0008	mg/l	1900	6/15/02	11:37
trans-1,2-Dichloroethene	< 0.0008	mg/l	1770	6/16/02	15:52
trans-1,2-Dichloroethene	< 0.0008	mg/l	2360	6/20/02	5:14
1,2-Dichloropropane	< 0.0006	mg/l	1900	6/15/02	11:37
1,2-Dichloropropane	< 0.0006	mg/l	1770	6/16/02	15:52
1,2-Dichloropropane	< 0.0006	mg/l	2360	6/20/02	5:14
1,3-Dichloropropane	< 0.0006	mg/l	1900	6/15/02	11:37
1,3-Dichloropropane	< 0.0006	mg/l	1770	6/16/02	15:52
1,3-Dichloropropane	< 0.0006	mg/l	2360	6/20/02	5:14
2,2-Dichloropropane	< 0.0009	mg/l	1900	6/15/02	11:37
2,2-Dichloropropane	< 0.0009	mg/l	1770	6/16/02	15:52
2,2-Dichloropropane	< 0.0009	mg/l	2360	6/20/02	5:14
1,1-Dichloropropene	< 0.0007	mg/l	1900	6/15/02	11:37
1,1-Dichloropropene	< 0.0007	mg/l	1770	6/16/02	15:52
1,1-Dichloropropene	< 0.0007	mg/l	2360	6/20/02	5:14
cis-1,3-Dichloropropene	< 0.0007	mg/l	1900	6/15/02	11:37
cis-1,3-Dichloropropene	< 0.0007	mg/l	1770	6/16/02	15:52
cis-1,3-Dichloropropene	< 0.0007	mg/l	2360	6/20/02	5:14
trans-1,3-Dichloropropene	< 0.0005	mg/l	1900	6/15/02	11:37

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
trans-1,3-Dichloropropene	< 0.0005	mg/l	1770	6/16/02	15:52
trans-1,3-Dichloropropene	< 0.0005	mg/l	2360	6/20/02	5:14
Ethylbenzene	< 0.0007	mg/l	1900	6/15/02	11:37
Ethylbenzene	< 0.0007	mg/l	1770	6/16/02	15:52
Ethylbenzene	< 0.0007	mg/l	2360	6/20/02	5:14
Hexachlorobutadiene	< 0.0008	mg/l	1900	6/15/02	11:37
Hexachlorobutadiene	< 0.0008	mg/l	1770	6/16/02	15:52
Hexachlorobutadiene	< 0.0008	mg/l	2360	6/20/02	5:14
2-Hexanone	< 0.0028	mg/l	1900	6/15/02	11:37
2-Hexanone	< 0.0028	mg/l	1770	6/16/02	15:52
2-Hexanone	< 0.0028	mg/l	2360	6/20/02	5:14
Isopropylbenzene	< 0.0008	mg/l	1900	6/15/02	11:37
Isopropylbenzene	< 0.0008	mg/l	1770	6/16/02	15:52
Isopropylbenzene	< 0.0008	mg/l	2360	6/20/02	5:14
4-Isopropyltoluene	< 0.0008	mg/l	1900	6/15/02	11:37
4-Isopropyltoluene	< 0.0008	mg/l	1770	6/16/02	15:52
4-Isopropyltoluene	< 0.0008	mg/l	2360	6/20/02	5:14
4-Methyl-2-pentanone	< 0.0046	mg/l	1900	6/15/02	11:37
4-Methyl-2-pentanone	< 0.0046	mg/l	1770	6/16/02	15:52
4-Methyl-2-pentanone	< 0.0046	mg/l	2360	6/20/02	5:14
Methylene chloride	< 0.0015	mg/l	1900	6/15/02	11:37
Methylene chloride	< 0.0015	mg/l	1770	6/16/02	15:52
Methylene chloride	< 0.0015	mg/l	2360	6/20/02	5:14
Naphthalene	< 0.0019	mg/l	1900	6/15/02	11:37
Naphthalene	< 0.0019	mg/l	1770	6/16/02	15:52
Naphthalene	< 0.0019	mg/l	2360	6/20/02	5:14
n-Propylbenzene	< 0.0008	mg/l	1900	6/15/02	11:37
n-Propylbenzene	< 0.0008	mg/l	1770	6/16/02	15:52
n-Propylbenzene	< 0.0008	mg/l	2360	6/20/02	5:14
Styrene	< 0.0009	mg/l	1900	6/15/02	11:37
Styrene	< 0.0009	mg/l	1770	6/16/02	15:52
Styrene	< 0.0009	mg/l	2360	6/20/02	5:14
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	1900	6/15/02	11:37

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	1770	6/16/02	15:52
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	2360	6/20/02	5:14
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	1900	6/15/02	11:37
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	1770	6/16/02	15:52
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	2360	6/20/02	5:14
Tetrachloroethene	< 0.0008	mg/l	1900	6/15/02	11:37
Tetrachloroethene	< 0.0008	mg/l	1770	6/16/02	15:52
Tetrachloroethene	< 0.0008	mg/l	2360	6/20/02	5:14
Toluene	< 0.0007	mg/l	1900	6/15/02	11:37
Toluene	< 0.0007	mg/l	1770	6/16/02	15:52
Toluene	< 0.0007	mg/l	2360	6/20/02	5:14
1,2,3-Trichlorobenzene	< 0.0006	mg/l	1900	6/15/02	11:37
1,2,3-Trichlorobenzene	< 0.0006	mg/l	1770	6/16/02	15:52
1,2,3-Trichlorobenzene	< 0.0006	mg/l	2360	6/20/02	5:14
1,2,4-Trichlorobenzene	< 0.0009	mg/l	1900	6/15/02	11:37
1,2,4-Trichlorobenzene	< 0.0009	mg/l	1770	6/16/02	15:52
1,2,4-Trichlorobenzene	< 0.0009	mg/l	2360	6/20/02	5:14
1,1,1-Trichloroethane	< 0.0007	mg/l	1900	6/15/02	11:37
1,1,1-Trichloroethane	< 0.0007	mg/l	1770	6/16/02	15:52
1,1,1-Trichloroethane	< 0.0007	mg/l	2360	6/20/02	5:14
1,1,2-Trichloroethane	< 0.0005	mg/l	1900	6/15/02	11:37
1,1,2-Trichloroethane	< 0.0005	mg/l	1770	6/16/02	15:52
1,1,2-Trichloroethane	< 0.0005	mg/l	2360	6/20/02	5:14
Trichloroethene	< 0.0009	mg/l	1900	6/15/02	11:37
Trichloroethene	< 0.0009	mg/l	1770	6/16/02	15:52
Trichloroethene	< 0.0009	mg/l	1904	6/16/02	15:52
Trichloroethene	< 0.0009	mg/l	1916	6/16/02	15:52
Trichloroethene	< 0.0009	mg/l	2360	6/20/02	5:14
1,2,3-Trichloropropane	< 0.0004	mg/l	1900	6/15/02	11:37
1,2,3-Trichloropropane	< 0.0004	mg/l	1770	6/16/02	15:52
1,2,3-Trichloropropane	< 0.0004	mg/l	2360	6/20/02	5:14
1,2,4-Trimethylbenzene	< 0.0006	mg/l	1900	6/15/02	11:37
1,2,4-Trimethylbenzene	< 0.0006	mg/l	1770	6/16/02	15:52

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,2,4-Trimethylbenzene	< 0.0006	mg/l	2360	6/20/02	5:14
1,3,5-Trimethylbenzene	< 0.0008	mg/l	1900	6/15/02	11:37
1,3,5-Trimethylbenzene	< 0.0008	mg/l	1770	6/16/02	15:52
1,3,5-Trimethylbenzene	< 0.0008	mg/l	2360	6/20/02	5:14
Vinyl chloride	< 0.0005	mg/l	1900	6/15/02	11:37
Vinyl chloride	< 0.0005	mg/l	1770	6/16/02	15:52
Vinyl chloride	< 0.0002	mg/l	2360	6/20/02	5:14
Xylenes (Total)	< 0.0009	mg/l	1900	6/15/02	11:37
Xylenes (Total)	< 0.0009	mg/l	1770	6/16/02	15:52
Xylenes (Total)	< 0.0009	mg/l	2360	6/20/02	5:14
Bromodichloromethane	< 0.0008	mg/l	1900	6/15/02	11:37
Bromodichloromethane	< 0.0008	mg/l	1770	6/16/02	15:52
Bromodichloromethane	< 0.0008	mg/l	2360	6/20/02	5:14
Trichlorofluoromethane	< 0.0007	mg/l	1900	6/15/02	11:37
Trichlorofluoromethane	< 0.0007	mg/l	1770	6/16/02	15:52
Trichlorofluoromethane	< 0.0007	mg/l	2360	6/20/02	5:14
VOA Surr 1,2-DCA-d4	99.	% Rec	1900	6/15/02	11:37
VOA Surr 1,2-DCA-d4	95.	% Rec	1770	6/16/02	15:52
VOA Surr 1,2-DCA-d4	95.	% Rec	1904	6/16/02	15:52
VOA Surr 1,2-DCA-d4	95.	% Rec	1916	6/16/02	15:52
VOA Surr 1,2-DCA-d4	111.	% Rec	2360	6/20/02	5:14
VOA Surr Toluene-d8	104.	% Rec	1900	6/15/02	11:37
VOA Surr Toluene-d8	107.	% Rec	1770	6/16/02	15:52
VOA Surr Toluene-d8	107.	% Rec	1904	6/16/02	15:52
VOA Surr Toluene-d8	107.	% Rec	1916	6/16/02	15:52
VOA Surr Toluene-d8	104.	% Rec	2360	6/20/02	5:14
VOA Surr, 4-BFB	100.	% Rec	1900	6/15/02	11:37
VOA Surr, 4-BFB	97.	% Rec	1770	6/16/02	15:52
VOA Surr, 4-BFB	97.	% Rec	1904	6/16/02	15:52
VOA Surr, 4-BFB	97.	% Rec	1916	6/16/02	15:52
VOA Surr, 4-BFB	102.	% Rec	2360	6/20/02	5:14
VOA Surr, DBFM	99.	% Rec	1900	6/15/02	11:37
VOA Surr, DBFM	96.	% Rec	1770	6/16/02	15:52

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
VOA Surr, DBFM	96.	% Rec	1904	6/16/02	15:52
VOA Surr, DBFM	96.	% Rec	1916	6/16/02	15:52
VOA Surr, DBFM	110.	% Rec	2360	6/20/02	5:14

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 288464

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

288464

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

Client Name Harding ESE Client #: 4997

Address: 1400 Centerpoint Blvd. Suite 158

City/State/Zip Code: Knoxville, TN 37932

Project Manager: Rick Ryan

Telephone Number: (865) 531-1922 Fax: (865) 531-8226

Sampler Name: (Print Name) Rob Ellis

Sampler Signature: W. H. [Signature]

Project Name: Former Taylor Instruments

Project #: 57870.7

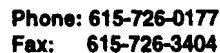
Site/Location ID: Rochester State: NY

Report To: Rick Ryan Rob Ellis

Invoice To: Rick Ryan

Quote #: 102501.216.2.99 PO#: 6599

[illegible]



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

Sampler Signature: W. A. L. E.

Quote #: 102501.216.2.99 PO#: 6599

TAT	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers	Analyze For:	QC Deliverables
Standard Rush (surcharges may apply)					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)	VOC-8260	None ☒ Level 2 (Batch QC) Level 3 Level 4 Other: _____
SAMPLE ID								REMARKS
QATBØZ	06/08/02	00:00	G		GW	1		Trip Blank
QA FBØZ	06/08/02	12:59	G		GW	3		Field Blank
QARBØZ	06/08/02	13:03	E		GW	3		Rinseate
BR-Ø6	06/08/02	14:19	G		GW	3		
BR-Ø6 (MS)	06/08/02	14:20	G		GW	3		Matrix Spike
BR-Ø6 (MSD)	06/08/02	14:20	G		GW	3		Matrix Spike Replicate
BR-Ø7	06/08/02	15:45	E		GW	3		
BR-Ø7 (DUP)	06/08/02	15:45	G		GW	3		Duplicate
W-G	06/08/02	16:17	G		GW	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: [Signature]	06/11/02	09:00	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:			Received By:	Date:	Time:	
Relinquished By:	Date:	Time:			Received By: C.W.H.	Date: 6.12.02	Time: 0900	

June 9 - 10, 2002
Analytical Data

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95624
Sample ID: BR-16
Sample Type: Ground water
Site ID:

Date Collected: 6/ 9/02
Time Collected: 9:34
Date Received: 6/12/02
Time Received: 9:00
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	6/19/02	21:40	C. Wani	8260B	196
Benzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Bromobenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Bromochloromethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Bromoform	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Bromomethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
2-Butanone	ND	mg/l	0.0500	1	6/19/02	21:40	C. Wani	8260B	196
n-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
sec-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
t-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Carbon disulfide	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Carbon tetrachloride	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Chlorobenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Chloroethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Chloroform	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Chloromethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
2-Chlorotoluene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
4-Chlorotoluene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/19/02	21:40	C. Wani	8260B	196
Dibromochloromethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Dibromomethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95624
Sample ID: BR-16
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
cis-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Ethylbenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
2-Hexanone	ND	mg/l	0.0100	1	6/19/02	21:40	C. Wani	8260B	196
Isopropylbenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/19/02	21:40	C. Wani	8260B	196
Methylene chloride	ND	mg/l	0.0050	1	6/19/02	21:40	C. Wani	8260B	196
Naphthalene	ND	mg/l	0.0050	1	6/19/02	21:40	C. Wani	8260B	196
n-Propylbenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Styrene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Tetrachloroethene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Toluene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Trichloroethene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Vinyl chloride	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Xylenes (Total)	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196
Bromodichloromethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95624
 Sample ID: BR-16
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/19/02	21:40	C. Wani	8260B	196

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	113.	60. - 158.
VOA Surr Toluene-d8	105.	82. - 127.
VOA Surr, 4-BFB	103.	72. - 136.
VOA Surr, DBFM	112.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95625
Sample ID: BR-12
Sample Type: Ground water
Site ID:

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/ 9/02
Time Collected: 10:48
Date Received: 6/12/02
Time Received: 9:00
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	6/19/02	22:09	C. Wani	8260B	196
Benzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Bromobenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Bromochloromethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Bromoform	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Bromomethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
2-Butanone	ND	mg/l	0.0500	1	6/19/02	22:09	C. Wani	8260B	196
n-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
sec-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
t-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Carbon disulfide	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Carbon tetrachloride	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Chlorobenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Chloroethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Chloroform	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Chloromethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
2-Chlorotoluene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
4-Chlorotoluene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/19/02	22:09	C. Wani	8260B	196
Dibromochloromethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Dibromomethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95625
 Sample ID: BR-12
 Project: 51870.7
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,1-Dichloroethene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
cis-1,2-Dichloroethene	0.0096	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
trans-1,2-Dichloroethene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Ethylbenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
2-Hexanone	ND	mg/l	0.0100	1	6/19/02	22:09	C. Wani	8260B	196
Isopropylbenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/19/02	22:09	C. Wani	8260B	196
Methylene chloride	ND	mg/l	0.0050	1	6/19/02	22:09	C. Wani	8260B	196
Naphthalene	ND	mg/l	0.0050	1	6/19/02	22:09	C. Wani	8260B	196
n-Propylbenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Styrene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Tetrachloroethene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Toluene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Trichloroethene	0.0174	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Vinyl chloride	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Xylenes (Total)	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196
Bromodichloromethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95625
 Sample ID: BR-12
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/19/02	22:09	C. Wani	8260B	196

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	60. - 158.
VOA Surr Toluene-d8	105.	82. - 127.
VOA Surr, 4-BFB	103.	72. - 136.
VOA Surr, DBFM	110.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95626
Sample ID: BR-13
Sample Type: Ground water
Site ID:

Date Collected: 6/ 9/02
Time Collected: 12:06
Date Received: 6/12/02
Time Received: 9:00
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	6/19/02	1:23	C. Wani	8260B	196
Benzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Bromobenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Bromochloromethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Bromoform	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Bromomethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
2-Butanone	ND	mg/l	0.0500	1	6/19/02	1:23	C. Wani	8260B	196
n-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
sec-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
t-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Carbon disulfide	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Carbon tetrachloride	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Chlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Chloroethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Chloroform	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Chloromethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
2-Chlorotoluene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
4-Chlorotoluene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/19/02	1:23	C. Wani	8260B	196
Dibromochloromethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Dibromomethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95626

Sample ID: BR-13

Project: 51870.7

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,1-Dichloroethene	0.0042	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
cis-1,2-Dichloroethene	0.558	mg/l	0.0400	20	6/19/02	23:06	C. Wani	8260B	3196
trans-1,2-Dichloroethene	0.0112	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Ethylbenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
2-Hexanone	ND	mg/l	0.0100	1	6/19/02	1:23	C. Wani	8260B	196
Isopropylbenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/19/02	1:23	C. Wani	8260B	196
Methylene chloride	ND	mg/l	0.0050	1	6/19/02	1:23	C. Wani	8260B	196
Naphthalene	ND	mg/l	0.0050	1	6/19/02	1:23	C. Wani	8260B	196
n-Propylbenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Styrene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Tetrachloroethene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Toluene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Trichloroethene	1.98	mg/l	0.0400	20	6/19/02	23:06	C. Wani	8260B	3196
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Vinyl chloride	0.0034	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Xylenes (Total)	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196
Bromodichloromethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95626
 Sample ID: BR-13
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/19/02	1:23	C. Wani	8260B	196

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	109.	60. - 158.
VOA Surr Toluene-d8	104.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	112.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.



ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95627

Sample ID: BR-15

Sample Type: Ground water

Site ID:

Project: 51870.7

Project Name: FORMER TAYLOR INSTRUMENT

Sampler: ROB ELLIS

Date Collected: 6/ 9/02

Time Collected: 14:58

Date Received: 6/12/02

Time Received: 9:00

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	6/19/02	1:51	C. Wani	8260B	196
Benzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Bromobenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Bromochloromethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Bromoform	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Bromomethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
2-Butanone	ND	mg/l	0.0500	1	6/19/02	1:51	C. Wani	8260B	196
n-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
sec-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
t-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Carbon disulfide	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Carbon tetrachloride	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Chlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Chloroethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Chloroform	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Chloromethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
2-Chlorotoluene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
4-Chlorotoluene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/19/02	1:51	C. Wani	8260B	196
Dibromochloromethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Dibromomethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95627
Sample ID: BR-15
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,1-Dichloroethene	0.0046	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
cis-1,2-Dichloroethene	0.373	mg/l	0.0200	10	6/19/02	23:34	C. Wani	8260B	3196
trans-1,2-Dichloroethene	0.0369	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Ethylbenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
2-Hexanone	ND	mg/l	0.0100	1	6/19/02	1:51	C. Wani	8260B	196
Isopropylbenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/19/02	1:51	C. Wani	8260B	196
Methylene chloride	ND	mg/l	0.0050	1	6/19/02	1:51	C. Wani	8260B	196
Naphthalene	ND	mg/l	0.0050	1	6/19/02	1:51	C. Wani	8260B	196
n-Propylbenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Styrene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Tetrachloroethene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Toluene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Trichloroethene	5.80	mg/l	0.200	100	6/20/02	0:02	C. Wani	8260B	3213
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Vinyl chloride	0.0038	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Xylenes (Total)	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196
Bromodichloromethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95627
Sample ID: BR-15
Project: 51870.7
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/19/02	1:51	C. Wani	8260B	196

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	109.	60. - 158.
VOA Surr Toluene-d8	106.	82. - 127.
VOA Surr, 4-BFB	102.	72. - 136.
VOA Surr, DBFM	111.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95628
Sample ID: BR-10
Sample Type: Ground water
Site ID:

Date Collected: 6/ 9/02
Time Collected: 16:04
Date Received: 6/12/02
Time Received: 9:00
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	6/19/02	2:20	C. Wani	8260B	196
Benzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Bromobenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Bromochloromethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Bromoform	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Bromomethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
2-Butanone	ND	mg/l	0.0500	1	6/19/02	2:20	C. Wani	8260B	196
n-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
sec-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
t-Butylbenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Carbon disulfide	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Carbon tetrachloride	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Chlorobenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Chloroethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Chloroform	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Chloromethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
2-Chlorotoluene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
4-Chlorotoluene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	1	6/19/02	2:20	C. Wani	8260B	196
Dibromochloromethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,2-Dibromoethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Dibromomethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,2-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,3-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,4-Dichlorobenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Dichlorodifluoromethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95628
Sample ID: BR-10
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,2-Dichloroethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,1-Dichloroethene	0.0047	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
cis-1,2-Dichloroethene	1.29	mg/l	0.100	50	6/20/02	0:31	C. Wani	8260B	3196
trans-1,2-Dichloroethene	0.0646	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,2-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,3-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
2,2-Dichloropropane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,1-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
cis-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
trans-1,3-Dichloropropene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Ethylbenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Hexachlorobutadiene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
2-Hexanone	ND	mg/l	0.0100	1	6/19/02	2:20	C. Wani	8260B	196
Isopropylbenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
4-Isopropyltoluene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/19/02	2:20	C. Wani	8260B	196
Methylene chloride	ND	mg/l	0.0050	1	6/19/02	2:20	C. Wani	8260B	196
Naphthalene	ND	mg/l	0.0050	1	6/19/02	2:20	C. Wani	8260B	196
n-Propylbenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Styrene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Tetrachloroethene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Toluene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,2,3-Trichlorobenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,2,4-Trichlorobenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,1,1-Trichloroethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,1,2-Trichloroethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Trichloroethene	5.10	mg/l	0.100	50	6/20/02	0:31	C. Wani	8260B	3196
1,2,3-Trichloropropane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,2,4-Trimethylbenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
1,3,5-Trimethylbenzene	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Vinyl chloride	0.0053	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Xylenes (Total)	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196
Bromodichloromethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95628
 Sample ID: BR-10
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0020	1	6/19/02	2:20	C. Wani	8260B	196

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	112.	60. - 158.
VOA Surr Toluene-d8	104.	82. - 127.
VOA Surr, 4-BFB	101.	72. - 136.
VOA Surr, DBFM	110.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.



ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95629
Sample ID: OB-04
Sample Type: Ground water
Site ID:

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/ 9/02
Time Collected: 17:12
Date Received: 6/12/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.500	10	6/20/02	0:59	C. Wani	8260B	196
Benzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Bromobenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Bromochloromethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Bromoform	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Bromomethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
2-Butanone	ND	mg/l	0.500	10	6/20/02	0:59	C. Wani	8260B	196
n-Butylbenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
sec-Butylbenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
t-Butylbenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Carbon disulfide	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Carbon tetrachloride	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Chlorobenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Chloroethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Chloroform	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Chloromethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
2-Chlorotoluene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
4-Chlorotoluene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,2-Dibromo-3-chloropropane	ND	mg/l	0.100	10	6/20/02	0:59	C. Wani	8260B	196
Dibromochloromethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,2-Dibromoethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Dibromomethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,2-Dichlorobenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,3-Dichlorobenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,4-Dichlorobenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Dichlorodifluoromethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95629
Sample ID: OB-04
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,2-Dichloroethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,1-Dichloroethene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
cis-1,2-Dichloroethene	0.554	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
trans-1,2-Dichloroethene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,2-Dichloropropane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,3-Dichloropropane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
2,2-Dichloropropane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,1-Dichloropropene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
cis-1,3-Dichloropropene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
trans-1,3-Dichloropropene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Ethylbenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Hexachlorobutadiene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
2-Hexanone	ND	mg/l	0.100	10	6/20/02	0:59	C. Wani	8260B	196
Isopropylbenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
4-Isopropyltoluene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
4-Methyl-2-pentanone	ND	mg/l	0.100	10	6/20/02	0:59	C. Wani	8260B	196
Methylene chloride	ND	mg/l	0.0500	10	6/20/02	0:59	C. Wani	8260B	196
Naphthalene	ND	mg/l	0.0500	10	6/20/02	0:59	C. Wani	8260B	196
n-Propylbenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Styrene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Tetrachloroethene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Toluene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,2,3-Trichlorobenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,2,4-Trichlorobenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,1,1-Trichloroethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,1,2-Trichloroethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Trichloroethene	3.65	mg/l	0.200	100	6/20/02	1:27	C. Wani	8260B	3244
1,2,3-Trichloropropane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,2,4-Trimethylbenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
1,3,5-Trimethylbenzene	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Vinyl chloride	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Xylenes (Total)	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196
Bromodichloromethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95629
 Sample ID: OB-04
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0200	10	6/20/02	0:59	C. Wani	8260B	196

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	109.	60. - 158.
VOA Surr Toluene-d8	106.	82. - 127.
VOA Surr, 4-BFB	104.	72. - 136.
VOA Surr, DBFM	111.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95630
Sample ID: BR-04
Sample Type: Ground water
Site ID:

Date Collected: 6/10/02
Time Collected: 8:49
Date Received: 6/12/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.500	10	6/20/02	1:56	C. Wani	8260B	196
Benzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Bromobenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Bromochloromethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Bromoform	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Bromomethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
2-Butanone	ND	mg/l	0.500	10	6/20/02	1:56	C. Wani	8260B	196
n-Butylbenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
sec-Butylbenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
t-Butylbenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Carbon disulfide	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Carbon tetrachloride	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Chlorobenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Chloroethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Chloroform	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Chloromethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
2-Chlorotoluene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
4-Chlorotoluene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,2-Dibromo-3-chloropropane	ND	mg/l	0.100	10	6/20/02	1:56	C. Wani	8260B	196
Dibromochloromethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,2-Dibromoethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Dibromomethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,2-Dichlorobenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,3-Dichlorobenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,4-Dichlorobenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Dichlorodifluoromethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95630
Sample ID: BR-04
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,2-Dichloroethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,1-Dichloroethene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
cis-1,2-Dichloroethene	0.338	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
trans-1,2-Dichloroethene	0.0490	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,2-Dichloropropane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,3-Dichloropropane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
2,2-Dichloropropane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,1-Dichloropropene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
cis-1,3-Dichloropropene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
trans-1,3-Dichloropropene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Ethylbenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Hexachlorobutadiene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
2-Hexanone	ND	mg/l	0.100	10	6/20/02	1:56	C. Wani	8260B	196
Isopropylbenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
4-Isopropyltoluene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
4-Methyl-2-pentanone	ND	mg/l	0.100	10	6/20/02	1:56	C. Wani	8260B	196
Methylene chloride	ND	mg/l	0.0500	10	6/20/02	1:56	C. Wani	8260B	196
Naphthalene	ND	mg/l	0.0500	10	6/20/02	1:56	C. Wani	8260B	196
n-Propylbenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Styrene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Tetrachloroethene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Toluene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,2,3-Trichlorobenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,2,4-Trichlorobenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,1,1-Trichloroethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,1,2-Trichloroethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Trichloroethene	4.57	mg/l	0.200	100	6/20/02	5:42	C. Wani	8260B	3196
1,2,3-Trichloropropane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,2,4-Trimethylbenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
1,3,5-Trimethylbenzene	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Vinyl chloride	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Xylenes (Total)	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196
Bromodichloromethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95630
 Sample ID: BR-04
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0200	10	6/20/02	1:56	C. Wani	8260B	196

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	109.	60. - 158.
VOA Surr Toluene-d8	104.	82. - 127.
VOA Surr, 4-BFB	102.	72. - 136.
VOA Surr, DBFM	110.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.



ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95631
Sample ID: BR-05
Sample Type: Ground water
Site ID:

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/10/02
Time Collected: 10:06
Date Received: 6/12/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0500	10	6/20/02	12:32	A. Wilson	8260B	1479
Benzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Bromobenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Bromochloromethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Bromoform	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Bromomethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
2-Butanone	ND	mg/l	0.500	10	6/20/02	12:32	A. Wilson	8260B	1479
n-Butylbenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
sec-Butylbenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
t-Butylbenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Carbon disulfide	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Carbon tetrachloride	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Chlorobenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Chloroethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Chloroform	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Chloromethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
2-Chlorotoluene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
4-Chlorotoluene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Dibromochloromethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,2-Dibromoethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Dibromomethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,2-Dichlorobenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,3-Dichlorobenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,4-Dichlorobenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Dichlorodifluoromethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95631
Sample ID: BR-05
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,2-Dichloroethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,1-Dichloroethene	0.0250	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
cis-1,2-Dichloroethene	0.118	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
trans-1,2-Dichloroethene	0.0230	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,2-Dichloropropane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,3-Dichloropropane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
2,2-Dichloropropane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,1-Dichloropropene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
cis-1,3-Dichloropropene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
trans-1,3-Dichloropropene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Ethylbenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Hexachlorobutadiene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
2-Hexanone	ND	mg/l	0.100	10	6/20/02	12:32	A. Wilson	8260B	1479
Isopropylbenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
4-Isopropyltoluene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
4-Methyl-2-pentanone	ND	mg/l	0.100	10	6/20/02	12:32	A. Wilson	8260B	1479
Methylene chloride	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Naphthalene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
n-Propylbenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Styrene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Tetrachloroethene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Toluene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,2,3-Trichlorobenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,2,4-Trichlorobenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,1,1-Trichloroethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,1,2-Trichloroethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Trichloroethene	4.47	mg/l	0.100	100	6/20/02	13:02	A. Wilson	8260B	3785
1,2,3-Trichloropropane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,2,4-Trimethylbenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
1,3,5-Trimethylbenzene	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Vinyl chloride	0.176	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Xylenes (Total)	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479
Bromodichloromethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95631
 Sample ID: BR-05
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0100	10	6/20/02	12:32	A. Wilson	8260B	1479

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	60. - 158.
VOA Surr Toluene-d8	97.	82. - 127.
VOA Surr, 4-BFB	97.	72. - 136.
VOA Surr, DBPM	104.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Lab Number: 02-A95632
Sample ID: OB-05
Sample Type: Ground water
Site ID:

Date Collected: 6/10/02
Time Collected: 11:26
Date Received: 6/12/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.0050	1	6/20/02	1:21	A. Wilson	8260B	1479
Benzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Bromobenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Bromochloromethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Bromoform	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Bromomethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
2-Butanone	ND	mg/l	0.0500	1	6/20/02	1:21	A. Wilson	8260B	1479
n-Butylbenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
sec-Butylbenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
t-Butylbenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Carbon disulfide	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Carbon tetrachloride	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Chlorobenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Chloroethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Chloroform	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Chloromethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
2-Chlorotoluene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
4-Chlorotoluene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Dibromochloromethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,2-Dibromoethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Dibromomethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,2-Dichlorobenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,3-Dichlorobenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,4-Dichlorobenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Dichlorodifluoromethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95632

Sample ID: OB-05

Project: 51870.7

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,2-Dichloroethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,1-Dichloroethene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
cis-1,2-Dichloroethene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
trans-1,2-Dichloroethene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,2-Dichloropropane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,3-Dichloropropane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
2,2-Dichloropropane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,1-Dichloropropene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
cis-1,3-Dichloropropene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
trans-1,3-Dichloropropene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Ethylbenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Hexachlorobutadiene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
2-Hexanone	ND	mg/l	0.0100	1	6/20/02	1:21	A. Wilson	8260B	1479
Isopropylbenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
4-Isopropyltoluene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
4-Methyl-2-pentanone	ND	mg/l	0.0100	1	6/20/02	1:21	A. Wilson	8260B	1479
Methylene chloride	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Naphthalene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
n-Propylbenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Styrene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Tetrachloroethene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Toluene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,2,3-Trichlorobenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,2,4-Trichlorobenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,1,1-Trichloroethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,1,2-Trichloroethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Trichloroethene	0.0528	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,2,3-Trichloropropane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,2,4-Trimethylbenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
1,3,5-Trimethylbenzene	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Vinyl chloride	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Xylenes (Total)	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479
Bromodichloromethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95632
 Sample ID: OB-05
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0010	1	6/20/02	1:21	A. Wilson	8260B	1479

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	104.	60. - 158.
VOA Surr Toluene-d8	96.	82. - 127.
VOA Surr, 4-BFB	98.	72. - 136.
VOA Surr, DBFM	104.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.



ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95633
Sample ID: BR-09
Sample Type: Ground water
Site ID:

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/10/02
Time Collected: 13:40
Date Received: 6/12/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.100	20	6/20/02	15:37	A. Wilson	8260B	3788
Benzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Bromobenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Bromochloromethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Bromoform	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Bromomethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
2-Butanone	ND	mg/l	1.00	20	6/20/02	15:37	A. Wilson	8260B	3788
n-Butylbenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
sec-Butylbenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
t-Butylbenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Carbon disulfide	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Carbon tetrachloride	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Chlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Chloroethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Chloroform	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Chloromethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
2-Chlorotoluene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
4-Chlorotoluene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Dibromochloromethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,2-Dibromoethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Dibromomethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,2-Dichlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,3-Dichlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,4-Dichlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Dichlorodifluoromethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95633
Sample ID: BR-09
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,2-Dichloroethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,1-Dichloroethene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
cis-1,2-Dichloroethene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
trans-1,2-Dichloroethene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,2-Dichloropropane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,3-Dichloropropane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
2,2-Dichloropropane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,1-Dichloropropene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
cis-1,3-Dichloropropene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
trans-1,3-Dichloropropene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Ethylbenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Hexachlorobutadiene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
2-Hexanone	ND	mg/l	0.200	20	6/20/02	15:37	A. Wilson	8260B	3788
Isopropylbenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
4-Isopropyltoluene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
4-Methyl-2-pentanone	ND	mg/l	0.200	20	6/20/02	15:37	A. Wilson	8260B	3788
Methylene chloride	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Naphthalene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
n-Propylbenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Styrene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Tetrachloroethene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Toluene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,2,3-Trichlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,2,4-Trichlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,1,1-Trichloroethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,1,2-Trichloroethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Trichloroethene	6.53	mg/l	0.100	100	6/20/02	13:33	A. Wilson	8260B	1479
1,2,3-Trichloropropane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,2,4-Trimethylbenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
1,3,5-Trimethylbenzene	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Vinyl chloride	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Xylenes (Total)	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788
Bromodichloromethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95633
Sample ID: BR-09
Project: 51870.7
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0200	20	6/20/02	15:37	A. Wilson	8260B	3788

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	101.	60. - 158.
VOA Surr Toluene-d8	99.	82. - 127.
VOA Surr, 4-BFB	96.	72. - 136.
VOA Surr, DBFM	108.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.
B - Analyte was detected in the method blank.
J - Estimated Value below Report Limit.
- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95634
Sample ID: OB-08
Sample Type: Ground water
Site ID:

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/10/02
Time Collected: 14:56
Date Received: 6/12/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.100	20	6/20/02	15:06	A. Wilson	8260B	3788
Benzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Bromobenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Bromochloromethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Bromoform	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Bromomethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
2-Butanone	ND	mg/l	1.00	20	6/20/02	15:06	A. Wilson	8260B	3788
n-Butylbenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
sec-Butylbenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
t-Butylbenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Carbon disulfide	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Carbon tetrachloride	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Chlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Chloroethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Chloroform	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Chloromethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
2-Chlorotoluene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
4-Chlorotoluene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Dibromochloromethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,2-Dibromoethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Dibromomethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,2-Dichlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,3-Dichlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,4-Dichlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Dichlorodifluoromethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95634
Sample ID: OB-08
Project: 51870.7
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,2-Dichloroethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,1-Dichloroethene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
cis-1,2-Dichloroethene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
trans-1,2-Dichloroethene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,2-Dichloropropane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,3-Dichloropropane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
2,2-Dichloropropane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,1-Dichloropropene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
cis-1,3-Dichloropropene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
trans-1,3-Dichloropropene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Ethylbenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Hexachlorobutadiene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
2-Hexanone	ND	mg/l	0.200	20	6/20/02	15:06	A. Wilson	8260B	3788
Isopropylbenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
4-Isopropyltoluene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
4-Methyl-2-pentanone	ND	mg/l	0.200	20	6/20/02	15:06	A. Wilson	8260B	3788
Methylene chloride	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Naphthalene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
n-Propylbenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Styrene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Tetrachloroethene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Toluene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,2,3-Trichlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,2,4-Trichlorobenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,1,1-Trichloroethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,1,2-Trichloroethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Trichloroethene	5.37	mg/l	0.100	100	6/20/02	14:04	A. Wilson	8260B	1479
1,2,3-Trichloropropane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,2,4-Trimethylbenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
1,3,5-Trimethylbenzene	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Vinyl chloride	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Xylenes (Total)	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788
Bromodichloromethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95634
Sample ID: OB-08
Project: 51870.7
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0200	20	6/20/02	15:06	A. Wilson	8260B	3788

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	102.	60. - 158.
VOA Surr Toluene-d8	98.	82. - 127.
VOA Surr, 4-BFB	93.	72. - 136.
VOA Surr, DBFM	107.	81. - 137.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

B - Analyte was detected in the method blank.

J - Estimated Value below Report Limit.

- Recovery outside Laboratory historical or method prescribed limits.

ANALYTICAL REPORT

HARDING ESE 4997

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

Lab Number: 02-A95635
Sample ID: BR-11
Sample Type: Ground water
Site ID:

Project: 51870.7
Project Name: FORMER TAYLOR INSTRUMENT
Sampler: ROB ELLIS

Date Collected: 6/10/02
Time Collected: 16:10
Date Received: 6/12/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Acetone	ND	mg/l	0.100	20	6/20/02	14:34	A. Wilson	8260B	1479
Benzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Bromobenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Bromochloromethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Bromoform	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Bromomethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
2-Butanone	ND	mg/l	1.00	20	6/20/02	14:34	A. Wilson	8260B	1479
n-Butylbenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
sec-Butylbenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
t-Butylbenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Carbon disulfide	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Carbon tetrachloride	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Chlorobenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Chloroethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Chloroform	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Chloromethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
2-Chlorotoluene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
4-Chlorotoluene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,2-Dibromo-3-chloropropane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Dibromochloromethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,2-Dibromoethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Dibromomethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,2-Dichlorobenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,3-Dichlorobenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,4-Dichlorobenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Dichlorodifluoromethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95635

Sample ID: BR-11

Project: 51870.7

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1-Dichloroethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,2-Dichloroethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,1-Dichloroethene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
cis-1,2-Dichloroethene	0.0520	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
trans-1,2-Dichloroethene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,2-Dichloropropane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,3-Dichloropropane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
2,2-Dichloropropane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,1-Dichloropropene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
cis-1,3-Dichloropropene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
trans-1,3-Dichloropropene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Ethylbenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Hexachlorobutadiene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
2-Hexanone	ND	mg/l	0.200	20	6/20/02	14:34	A. Wilson	8260B	1479
Isopropylbenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
4-Isopropyltoluene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
4-Methyl-2-pentanone	ND	mg/l	0.200	20	6/20/02	14:34	A. Wilson	8260B	1479
Methylene chloride	0.0280	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Naphthalene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
n-Propylbenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Styrene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,1,1,2-Tetrachloroethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,1,2,2-Tetrachloroethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Tetrachloroethene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Toluene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,2,3-Trichlorobenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,2,4-Trichlorobenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,1,1-Trichloroethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,1,2-Trichloroethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Trichloroethene	0.874	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,2,3-Trichloropropane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,2,4-Trimethylbenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
1,3,5-Trimethylbenzene	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Vinyl chloride	0.0320	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Xylenes (Total)	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479
Bromodichloromethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 02-A95635
 Sample ID: BR-11
 Project: 51870.7
 Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Trichlorofluoromethane	ND	mg/l	0.0200	20	6/20/02	14:34	A. Wilson	8260B	1479

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	103.	60. - 158.
VOA Surr Toluene-d8	98.	82. - 127.
VOA Surr, 4-BFB	97.	72. - 136.
VOA Surr, DBFM	108.	81. - 137.

LABORATORY COMMENTS:

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

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

Page: 1

Matrix Spike Recovery

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

VOA PARAMETERS								
Benzene	mg/l	< 0.0007	0.0516	0.0500	103	70. - 136.	196	blank
Benzene	mg/l	< 0.0007	0.0473	0.0500	95	70. - 136.	1479	BLANK
Benzene	mg/l	< 0.0007	0.0473	0.0500	95	70. - 136.	3788	BLANK
Chlorobenzene	mg/l	< 0.0007	0.0500	0.0500	100	70. - 132.	196	blank
Chlorobenzene	mg/l	< 0.0007	0.0475	0.0500	95	70. - 132.	1479	BLANK
Chlorobenzene	mg/l	< 0.0007	0.0475	0.0500	95	70. - 132.	3788	BLANK
1,1-Dichloroethene	mg/l	< 0.0008	0.0624	0.0500	125	60. - 145.	196	blank
1,1-Dichloroethene	mg/l	< 0.0008	0.0411	0.0500	82	60. - 145.	1479	BLANK
1,1-Dichloroethene	mg/l	< 0.0008	0.0411	0.0500	82	60. - 145.	3788	BLANK
Toluene	mg/l	< 0.0007	0.0526	0.0500	105	69. - 137.	196	blank
Toluene	mg/l	< 0.0007	0.0472	0.0500	94	69. - 137.	1479	BLANK
Toluene	mg/l	< 0.0007	0.0472	0.0500	94	69. - 137.	3788	BLANK
Trichloroethene	mg/l	< 0.0009	0.0704	0.0500	141	63. - 149.	196	blank
Trichloroethene	mg/l	< 0.0009	0.0508	0.0500	102	63. - 149.	1479	BLANK
Tetrachloroethene	mg/l	< 0.0008	0.0516	0.0500	103	60. - 140.	196	blank
Tetrachloroethene	mg/l	< 0.0008	0.0443	0.0500	89	60. - 140.	1479	BLANK
Tetrachloroethene	mg/l	< 0.0008	0.0443	0.0500	89	60. - 140.	3788	BLANK
VOA Surr 1,2-DCA-d4	% Rec				103	60. - 158.	196	
VOA Surr 1,2-DCA-d4	% Rec				99	60. - 158.	1479	
VOA Surr 1,2-DCA-d4	% Rec				99	60. - 158.	3788	
VOA Surr Toluene-d8	% Rec				104	82. - 127.	196	
VOA Surr Toluene-d8	% Rec				104	82. - 127.	1479	
VOA Surr Toluene-d8	% Rec				104	82. - 127.	3788	
VOA Surr, 4-BFB	% Rec				99	72. - 136.	196	
VOA Surr, 4-BFB	% Rec				95	72. - 136.	1479	
VOA Surr, 4-BFB	% Rec				95	72. - 136.	3788	
VOA Surr, DBFM	% Rec				108	81. - 137.	196	
VOA Surr, DBFM	% Rec				100	81. - 137.	1479	
VOA Surr, DBFM	% Rec				100	81. - 137.	3788	

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
Page: 2

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Benzene	mg/l	0.0516	0.0509	1.37	21.	196
Benzene	mg/l	0.0473	0.0490	3.53	21.	1479
Benzene	mg/l	0.0473	0.0490	3.53	21.	3788
Chlorobenzene	mg/l	0.0500	0.0507	1.39	25.	196
Chlorobenzene	mg/l	0.0475	0.0487	2.49	25.	1479
Chlorobenzene	mg/l	0.0475	0.0487	2.49	25.	3788
1,1-Dichloroethene	mg/l	0.0624	0.0617	1.13	26.	196
1,1-Dichloroethene	mg/l	0.0411	0.0440	6.82	26.	1479
1,1-Dichloroethene	mg/l	0.0411	0.0440	6.82	26.	3788
Toluene	mg/l	0.0526	0.0519	1.34	22.	196
Toluene	mg/l	0.0472	0.0486	2.92	22.	1479
Toluene	mg/l	0.0472	0.0486	2.92	22.	3788
Trichloroethene	mg/l	0.0704	0.0613	13.82	28.	196
Trichloroethene	mg/l	0.0508	0.0517	1.76	28.	1479
Tetrachloroethene	mg/l	0.0516	0.0513	0.58	24.	196
Tetrachloroethene	mg/l	0.0443	0.0450	1.57	24.	1479
Tetrachloroethene	mg/l	0.0443	0.0450	1.57	24.	3788
VOA Surr 1,2-DCA-d4	% Rec		101.			196
VOA Surr 1,2-DCA-d4	% Rec		97.			1479
VOA Surr 1,2-DCA-d4	% Rec		97.			3788
VOA Surr Toluene-d8	% Rec		102.			196
VOA Surr Toluene-d8	% Rec		103.			1479
VOA Surr Toluene-d8	% Rec		103.			3788
VOA Surr, 4-BFB	% Rec		99.			196
VOA Surr, 4-BFB	% Rec		98.			1479
VOA Surr, 4-BFB	% Rec		98.			3788
VOA Surr, DBFM	% Rec		106.			196
VOA Surr, DBFM	% Rec		100.			1479
VOA Surr, DBFM	% Rec		100.			3788

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
Page: 3

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Acetone	mg/l	0.250	0.320	128	54 - 153	196
Acetone	mg/l	0.250	0.267	107	54 - 153	1479
Acetone	mg/l	0.250	0.258	103	54 - 153	1479
Acetone	mg/l	0.250	0.258	103	54 - 153	3788
Benzene	mg/l	0.0500	0.0511	102	79 - 124	196
Benzene	mg/l	0.0500	0.0487	97	79 - 124	1479
Benzene	mg/l	0.0500	0.0462	92	79 - 124	1479
Benzene	mg/l	0.0500	0.0462	92	79 - 124	3788
Bromobenzene	mg/l	0.0500	0.0502	100	76 - 122	196
Bromobenzene	mg/l	0.0500	0.0521	104	76 - 122	1479
Bromobenzene	mg/l	0.0500	0.0489	98	76 - 122	1479
Bromobenzene	mg/l	0.0500	0.0489	98	76 - 122	3788
Bromochloromethane	mg/l	0.0500	0.0531	106	71 - 134	196
Bromochloromethane	mg/l	0.0500	0.0532	106	71 - 134	1479
Bromochloromethane	mg/l	0.0500	0.0535	107	71 - 134	1479
Bromochloromethane	mg/l	0.0500	0.0535	107	71 - 134	3788
Bromoform	mg/l	0.0500	0.0472	94	66 - 124	196
Bromoform	mg/l	0.0500	0.0480	96	66 - 124	1479
Bromoform	mg/l	0.0500	0.0422	84	66 - 124	1479
Bromoform	mg/l	0.0500	0.0422	84	66 - 124	3788
Bromomethane	mg/l	0.0500	0.0511	102	51 - 145	196
Bromomethane	mg/l	0.0500	0.0416	83	51 - 145	1479
Bromomethane	mg/l	0.0500	0.0425	85	51 - 145	1479
Bromomethane	mg/l	0.0500	0.0425	85	51 - 145	3788
2-Butanone	mg/l	0.250	0.228	91	62 - 134	196
2-Butanone	mg/l	0.250	0.270	108	62 - 134	1479
2-Butanone	mg/l	0.250	0.266	106	62 - 134	1479
2-Butanone	mg/l	0.250	0.266	106	62 - 134	3788
n-Butylbenzene	mg/l	0.0500	0.0475	95	61 - 136	196
n-Butylbenzene	mg/l	0.0500	0.0568	114	61 - 136	1479
n-Butylbenzene	mg/l	0.0500	0.0488	98	61 - 136	1479

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
n-Butylbenzene	mg/l	0.0500	0.0488	98	61 - 136	3788
sec-Butylbenzene	mg/l	0.0500	0.0488	98	69 - 130	196
sec-Butylbenzene	mg/l	0.0500	0.0551	110	69 - 130	1479
sec-Butylbenzene	mg/l	0.0500	0.0502	100	69 - 130	1479
sec-Butylbenzene	mg/l	0.0500	0.0502	100	69 - 130	3788
t-Butylbenzene	mg/l	0.0500	0.0500	100	66 - 129	196
t-Butylbenzene	mg/l	0.0500	0.0570	114	66 - 129	1479
t-Butylbenzene	mg/l	0.0500	0.0517	103	66 - 129	1479
t-Butylbenzene	mg/l	0.0500	0.0517	103	66 - 129	3788
Carbon disulfide	mg/l	0.0500	0.0518	104	71 - 129	196
Carbon disulfide	mg/l	0.0500	0.0517	103	71 - 129	1479
Carbon disulfide	mg/l	0.0500	0.0467	93	71 - 129	1479
Carbon disulfide	mg/l	0.0500	0.0467	93	71 - 129	3788
Carbon tetrachloride	mg/l	0.0500	0.0573	115	70 - 130	196
Carbon tetrachloride	mg/l	0.0500	0.0481	96	70 - 130	1479
Carbon tetrachloride	mg/l	0.0500	0.0423	85	70 - 130	1479
Carbon tetrachloride	mg/l	0.0500	0.0423	85	70 - 130	3788
Chlorobenzene	mg/l	0.0500	0.0495	99	80 - 118	196
Chlorobenzene	mg/l	0.0500	0.0504	101	80 - 118	1479
Chlorobenzene	mg/l	0.0500	0.0475	95	80 - 118	1479
Chlorobenzene	mg/l	0.0500	0.0475	95	80 - 118	3788
Chloroethane	mg/l	0.0500	0.0492	98	59 - 144	196
Chloroethane	mg/l	0.0500	0.0561	112	59 - 144	1479
Chloroethane	mg/l	0.0500	0.0542	108	59 - 144	1479
Chloroethane	mg/l	0.0500	0.0542	108	59 - 144	3788
Chloroform	mg/l	0.0500	0.0537	107	74 - 123	196
Chloroform	mg/l	0.0500	0.0520	104	74 - 123	1479
Chloroform	mg/l	0.0500	0.0485	97	74 - 123	1479
Chloroform	mg/l	0.0500	0.0485	97	74 - 123	3788
Chloromethane	mg/l	0.0500	0.0578	116	47 - 155	196
Chloromethane	mg/l	0.0500	0.0426	85	47 - 155	1479
Chloromethane	mg/l	0.0500	0.0459	92	47 - 155	1479
Chloromethane	mg/l	0.0500	0.0459	92	47 - 155	3788

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
2-Chlorotoluene	mg/l	0.0500	0.0516	103	74 - 126	196
2-Chlorotoluene	mg/l	0.0500	0.0522	104	74 - 126	1479
2-Chlorotoluene	mg/l	0.0500	0.0486	97	74 - 126	1479
2-Chlorotoluene	mg/l	0.0500	0.0486	97	74 - 126	3788
4-Chlorotoluene	mg/l	0.0500	0.0506	101	75 - 125	196
4-Chlorotoluene	mg/l	0.0500	0.0552	110	75 - 125	1479
4-Chlorotoluene	mg/l	0.0500	0.0510	102	75 - 125	1479
4-Chlorotoluene	mg/l	0.0500	0.0510	102	75 - 125	3788
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0431	86	58 - 133	196
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0498	100	58 - 133	1479
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0469	94	58 - 133	1479
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0469	94	58 - 133	3788
Dibromochloromethane	mg/l	0.0500	0.0494	99	73 - 125	196
Dibromochloromethane	mg/l	0.0500	0.0524	105	73 - 125	1479
Dibromochloromethane	mg/l	0.0500	0.0473	95	73 - 125	1479
Dibromochloromethane	mg/l	0.0500	0.0473	95	73 - 125	3788
1,2-Dibromoethane	mg/l	0.0500	0.0492	98	74 - 125	196
1,2-Dibromoethane	mg/l	0.0500	0.0528	106	74 - 125	1479
1,2-Dibromoethane	mg/l	0.0500	0.0498	100	74 - 125	1479
1,2-Dibromoethane	mg/l	0.0500	0.0498	100	74 - 125	3788
Dibromomethane	mg/l	0.0500	0.0497	99	71 - 130	196
Dibromomethane	mg/l	0.0500	0.0549	110	71 - 130	1479
Dibromomethane	mg/l	0.0500	0.0524	105	71 - 130	1479
Dibromomethane	mg/l	0.0500	0.0524	105	71 - 130	3788
1,2-Dichlorobenzene	mg/l	0.0500	0.0524	105	76 - 122	196
1,2-Dichlorobenzene	mg/l	0.0500	0.0514	103	76 - 122	1479
1,2-Dichlorobenzene	mg/l	0.0500	0.0493	99	76 - 122	1479
1,2-Dichlorobenzene	mg/l	0.0500	0.0493	99	76 - 122	3788
1,3-Dichlorobenzene	mg/l	0.0500	0.0521	104	75 - 122	196
1,3-Dichlorobenzene	mg/l	0.0500	0.0505	101	75 - 122	1479
1,3-Dichlorobenzene	mg/l	0.0500	0.0484	97	75 - 122	1479
1,3-Dichlorobenzene	mg/l	0.0500	0.0484	97	75 - 122	3788
1,4-Dichlorobenzene	mg/l	0.0500	0.0504	101	76 - 119	196

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
1,4-Dichlorobenzene	mg/l	0.0500	0.0537	107	76 - 119	1479
1,4-Dichlorobenzene	mg/l	0.0500	0.0506	101	76 - 119	1479
1,4-Dichlorobenzene	mg/l	0.0500	0.0506	101	76 - 119	3788
Dichlorodifluoromethane	mg/l	0.0500	0.0587	117	53 - 151	196
Dichlorodifluoromethane	mg/l	0.0500	0.0451	90	53 - 151	1479
Dichlorodifluoromethane	mg/l	0.0500	0.0421	84	53 - 151	1479
Dichlorodifluoromethane	mg/l	0.0500	0.0421	84	53 - 151	3788
1,1-Dichloroethane	mg/l	0.0500	0.0488	98	76 - 127	196
1,1-Dichloroethane	mg/l	0.0500	0.0512	102	76 - 127	1479
1,1-Dichloroethane	mg/l	0.0500	0.0482	96	76 - 127	1479
1,1-Dichloroethane	mg/l	0.0500	0.0482	96	76 - 127	3788
1,2-Dichloroethane	mg/l	0.0500	0.0510	102	66 - 133	196
1,2-Dichloroethane	mg/l	0.0500	0.0496	99	66 - 133	1479
1,2-Dichloroethane	mg/l	0.0500	0.0463	93	66 - 133	1479
1,2-Dichloroethane	mg/l	0.0500	0.0463	93	66 - 133	3788
1,1-Dichloroethene	mg/l	0.0500	0.0624	125	72 - 127	196
1,1-Dichloroethene	mg/l	0.0500	0.0468	94	72 - 127	1479
1,1-Dichloroethene	mg/l	0.0500	0.0420	84	72 - 127	1479
1,1-Dichloroethene	mg/l	0.0500	0.0420	84	72 - 127	3788
cis-1,2-Dichloroethene	mg/l	0.0500	0.0529	106	74 - 127	196
cis-1,2-Dichloroethene	mg/l	0.0500	0.0546	109	74 - 127	1479
cis-1,2-Dichloroethene	mg/l	0.0500	0.0509	102	74 - 127	3196
cis-1,2-Dichloroethene	mg/l	0.0500	0.0486	97	74 - 127	1479
cis-1,2-Dichloroethene	mg/l	0.0500	0.0486	97	74 - 127	3788
trans-1,2-Dichloroethene	mg/l	0.0500	0.0516	103	70 - 132	196
trans-1,2-Dichloroethene	mg/l	0.0500	0.0521	104	70 - 132	1479
trans-1,2-Dichloroethene	mg/l	0.0500	0.0461	92	70 - 132	1479
trans-1,2-Dichloroethene	mg/l	0.0500	0.0461	92	70 - 132	3788
1,2-Dichloropropane	mg/l	0.0500	0.0514	103	76 - 124	196
1,2-Dichloropropane	mg/l	0.0500	0.0504	101	76 - 124	1479
1,2-Dichloropropane	mg/l	0.0500	0.0484	97	76 - 124	1479
1,2-Dichloropropane	mg/l	0.0500	0.0484	97	76 - 124	3788
1,3-Dichloropropane	mg/l	0.0500	0.0507	101	72 - 129	196

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	0.0513	103	72 - 129	1479
1,3-Dichloropropane	mg/l	0.0500	0.0491	98	72 - 129	1479
1,3-Dichloropropane	mg/l	0.0500	0.0491	98	72 - 129	3788
2,2-Dichloropropane	mg/l	0.0500	0.0543	109	33 - 152	196
2,2-Dichloropropane	mg/l	0.0500	0.0486	97	33 - 152	1479
2,2-Dichloropropane	mg/l	0.0500	0.0381	76	33 - 152	1479
2,2-Dichloropropane	mg/l	0.0500	0.0381	76	33 - 152	3788
1,1-Dichloropropene	mg/l	0.0500	0.0549	110	73 - 127	196
1,1-Dichloropropene	mg/l	0.0500	0.0529	106	73 - 127	1479
1,1-Dichloropropene	mg/l	0.0500	0.0462	92	73 - 127	1479
1,1-Dichloropropene	mg/l	0.0500	0.0462	92	73 - 127	3788
cis-1,3-Dichloropropene	mg/l	0.0500	0.0499	100	58 - 131	196
cis-1,3-Dichloropropene	mg/l	0.0500	0.0530	106	58 - 131	1479
cis-1,3-Dichloropropene	mg/l	0.0500	0.0488	98	58 - 131	1479
cis-1,3-Dichloropropene	mg/l	0.0500	0.0488	98	58 - 131	3788
trans-1,3-Dichloropropene	mg/l	0.0500	0.0497	99	53 - 133	196
trans-1,3-Dichloropropene	mg/l	0.0500	0.0557	111	53 - 133	1479
trans-1,3-Dichloropropene	mg/l	0.0500	0.0500	100	53 - 133	1479
trans-1,3-Dichloropropene	mg/l	0.0500	0.0500	100	53 - 133	3788
Ethylbenzene	mg/l	0.0500	0.0520	104	77 - 126	196
Ethylbenzene	mg/l	0.0500	0.0499	100	77 - 126	1479
Ethylbenzene	mg/l	0.0500	0.0443	89	77 - 126	1479
Ethylbenzene	mg/l	0.0500	0.0443	89	77 - 126	3788
Hexachlorobutadiene	mg/l	0.0500	0.0590	118	52 - 139	196
Hexachlorobutadiene	mg/l	0.0500	0.0514	103	52 - 139	1479
Hexachlorobutadiene	mg/l	0.0500	0.0430	86	52 - 139	1479
Hexachlorobutadiene	mg/l	0.0500	0.0430	86	52 - 139	3788
2-Hexanone	mg/l	0.250	0.217	87	61 - 136	196
2-Hexanone	mg/l	0.250	0.252	101	61 - 136	1479
2-Hexanone	mg/l	0.250	0.245	98	61 - 136	1479
2-Hexanone	mg/l	0.250	0.245	98	61 - 136	3788
Isopropylbenzene	mg/l	0.0500	0.0502	100	74 - 127	196
Isopropylbenzene	mg/l	0.0500	0.0565	113	74 - 127	1479

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
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Isopropylbenzene	mg/l	0.0500	0.0524	105	74 - 127	1479
Isopropylbenzene	mg/l	0.0500	0.0524	105	74 - 127	3788
4-Isopropyltoluene	mg/l	0.0500	0.0499	100	69 - 113	196
4-Isopropyltoluene	mg/l	0.0500	0.0570	114 #	69 - 113	1479
4-Isopropyltoluene	mg/l	0.0500	0.0517	103	69 - 113	1479
4-Isopropyltoluene	mg/l	0.0500	0.0517	103	69 - 113	3788
4-Methyl-2-pentanone	mg/l	0.250	0.222	89	63 - 135	196
4-Methyl-2-pentanone	mg/l	0.250	0.252	101	63 - 135	1479
4-Methyl-2-pentanone	mg/l	0.250	0.245	98	63 - 135	1479
4-Methyl-2-pentanone	mg/l	0.250	0.245	98	63 - 135	3788
Methylene chloride	mg/l	0.0500	0.0518	104	70 - 130	196
Methylene chloride	mg/l	0.0500	0.0538	108	70 - 130	1479
Methylene chloride	mg/l	0.0500	0.0500	100	70 - 130	1479
Methylene chloride	mg/l	0.0500	0.0500	100	70 - 130	3788
Naphthalene	mg/l	0.0500	0.0444	89	57 - 143	196
Naphthalene	mg/l	0.0500	0.0520	104	57 - 143	1479
Naphthalene	mg/l	0.0500	0.0493	99	57 - 143	1479
Naphthalene	mg/l	0.0500	0.0493	99	57 - 143	3788
n-Propylbenzene	mg/l	0.0500	0.0514	103	71 - 130	196
n-Propylbenzene	mg/l	0.0500	0.0530	106	71 - 130	1479
n-Propylbenzene	mg/l	0.0500	0.0480	96	71 - 130	1479
n-Propylbenzene	mg/l	0.0500	0.0480	96	71 - 130	3788
Styrene	mg/l	0.0500	0.0505	101	77 - 122	196
Styrene	mg/l	0.0500	0.0496	99	77 - 122	1479
Styrene	mg/l	0.0500	0.0450	90	77 - 122	1479
Styrene	mg/l	0.0500	0.0450	90	77 - 122	3788
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0547	109	71 - 130	196
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0498	100	71 - 130	1479
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0466	93	71 - 130	1479
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0466	93	71 - 130	3788
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0449	90	57 - 136	196
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0485	97	57 - 136	1479
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0451	90	57 - 136	1479

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
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0451	90	57 - 136	3788
Tetrachloroethene	mg/l	0.0500	0.0520	104	72 - 126	196
Tetrachloroethene	mg/l	0.0500	0.0484	97	72 - 126	1479
Tetrachloroethene	mg/l	0.0500	0.0434	87	72 - 126	1479
Tetrachloroethene	mg/l	0.0500	0.0434	87	72 - 126	3788
Toluene	mg/l	0.0500	0.0523	105	78 - 124	196
Toluene	mg/l	0.0500	0.0485	97	78 - 124	1479
Toluene	mg/l	0.0500	0.0460	92	78 - 124	1479
Toluene	mg/l	0.0500	0.0460	92	78 - 124	3788
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0535	107	58 - 139	196
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0531	106	58 - 139	1479
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0484	97	58 - 139	1479
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0484	97	58 - 139	3788
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0474	95	60 - 132	196
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0532	106	60 - 132	1479
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0482	96	60 - 132	1479
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0482	96	60 - 132	3788
1,1,1-Trichloroethane	mg/l	0.0500	0.0546	109	70 - 130	196
1,1,1-Trichloroethane	mg/l	0.0500	0.0482	96	70 - 130	1479
1,1,1-Trichloroethane	mg/l	0.0500	0.0429	86	70 - 130	1479
1,1,1-Trichloroethane	mg/l	0.0500	0.0429	86	70 - 130	3788
1,1,2-Trichloroethane	mg/l	0.0500	0.0488	98	75 - 124	196
1,1,2-Trichloroethane	mg/l	0.0500	0.0491	98	75 - 124	1479
1,1,2-Trichloroethane	mg/l	0.0500	0.0492	98	75 - 124	1479
1,1,2-Trichloroethane	mg/l	0.0500	0.0492	98	75 - 124	3788
Trichloroethene	mg/l	0.0500	0.0539	108	70 - 136	196
Trichloroethene	mg/l	0.0500	0.0508	102	70 - 136	1479
Trichloroethene	mg/l	0.0500	0.0547	109	70 - 136	3196
Trichloroethene	mg/l	0.0500	0.0547	109	70 - 136	3213
Trichloroethene	mg/l	0.0500	0.0547	109	70 - 136	3244
Trichloroethene	mg/l	0.0500	0.0489	98	70 - 136	1479
Trichloroethene	mg/l	0.0500	0.0489	98	70 - 136	3785
1,2,3-Trichloropropane	mg/l	0.0500	0.0483	97	63 - 132	196

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
1,2,3-Trichloropropane	mg/l	0.0500	0.0470	94	63 - 132	1479
1,2,3-Trichloropropane	mg/l	0.0500	0.0405	81	63 - 132	1479
1,2,3-Trichloropropane	mg/l	0.0500	0.0405	81	63 - 132	3788
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0546	109	73 - 127	196
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0562	112	73 - 127	1479
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0524	105	73 - 127	1479
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0524	105	73 - 127	3788
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0539	108	72 - 128	196
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0567	113	72 - 128	1479
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0519	104	72 - 128	1479
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0519	104	72 - 128	3788
Vinyl chloride	mg/l	0.0500	0.0494	99	62 - 144	196
Vinyl chloride	mg/l	0.0500	0.0482	96	62 - 144	1479
Vinyl chloride	mg/l	0.0500	0.0468	94	62 - 144	1479
Vinyl chloride	mg/l	0.0500	0.0468	94	62 - 144	3788
Xylenes (Total)	mg/l	0.150	0.154	103	76 - 127	196
Xylenes (Total)	mg/l	0.150	0.158	105	76 - 127	1479
Xylenes (Total)	mg/l	0.150	0.141	94	76 - 127	1479
Xylenes (Total)	mg/l	0.150	0.141	94	76 - 127	3788
Bromodichloromethane	mg/l	0.0500	0.0542	108	69 - 130	196
Bromodichloromethane	mg/l	0.0500	0.0497	99	69 - 130	1479
Bromodichloromethane	mg/l	0.0500	0.0467	93	69 - 130	1479
Bromodichloromethane	mg/l	0.0500	0.0467	93	69 - 130	3788
Trichlorofluoromethane	mg/l	0.0500	0.0514	103	64 - 136	196
Trichlorofluoromethane	mg/l	0.0500	0.0469	94	64 - 136	1479
Trichlorofluoromethane	mg/l	0.0500	0.0430	86	64 - 136	1479
Trichlorofluoromethane	mg/l	0.0500	0.0430	86	64 - 136	3788
VOA Surr 1,2-DCA-d4	% Rec			101	60 - 158	196
VOA Surr 1,2-DCA-d4	% Rec			101	60 - 158	1479
VOA Surr 1,2-DCA-d4	% Rec			102	60 - 158	3196
VOA Surr 1,2-DCA-d4	% Rec			102	60 - 158	3213
VOA Surr 1,2-DCA-d4	% Rec			102	60 - 158	3244
VOA Surr 1,2-DCA-d4	% Rec			96	60 - 158	1479

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
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VOA Surr 1,2-DCA-d4	% Rec			96	60 - 158	3785
VOA Surr 1,2-DCA-d4	% Rec			96	60 - 158	3788
VOA Surr Toluene-d8	% Rec			102	82 - 127	196
VOA Surr Toluene-d8	% Rec			102	82 - 127	1479
VOA Surr Toluene-d8	% Rec			102	82 - 127	3196
VOA Surr Toluene-d8	% Rec			102	82 - 127	3213
VOA Surr Toluene-d8	% Rec			102	82 - 127	3244
VOA Surr Toluene-d8	% Rec			102	82 - 127	1479
VOA Surr Toluene-d8	% Rec			102	82 - 127	3785
VOA Surr Toluene-d8	% Rec			102	82 - 127	3788
VOA Surr, 4-BFB	% Rec			100	72 - 136	196
VOA Surr, 4-BFB	% Rec			102	72 - 136	1479
VOA Surr, 4-BFB	% Rec			100	72 - 136	3196
VOA Surr, 4-BFB	% Rec			100	72 - 136	3213
VOA Surr, 4-BFB	% Rec			100	72 - 136	3244
VOA Surr, 4-BFB	% Rec			98	72 - 136	1479
VOA Surr, 4-BFB	% Rec			98	72 - 136	3785
VOA Surr, 4-BFB	% Rec			98	72 - 136	3788
VOA Surr, DBFM	% Rec			104	81 - 137	196
VOA Surr, DBFM	% Rec			98	81 - 137	1479
VOA Surr, DBFM	% Rec			105	81 - 137	3196
VOA Surr, DBFM	% Rec			105	81 - 137	3213
VOA Surr, DBFM	% Rec			105	81 - 137	3244
VOA Surr, DBFM	% Rec			99	81 - 137	1479
VOA Surr, DBFM	% Rec			99	81 - 137	3785
VOA Surr, DBFM	% Rec			99	81 - 137	3788

Blank Data

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

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Acetone	< 0.0084	mg/l	196	6/18/02	17:49
Acetone	< 0.0084	mg/l	1479	6/20/02	0:20
Acetone	< 0.0084	mg/l	1479	6/20/02	8:24
Acetone	< 0.0084	mg/l	3788	6/20/02	8:24
Benzene	< 0.0007	mg/l	196	6/18/02	17:49
Benzene	< 0.0007	mg/l	1479	6/20/02	0:20
Benzene	< 0.0007	mg/l	1479	6/20/02	8:24
Benzene	< 0.0007	mg/l	3788	6/20/02	8:24
Bromobenzene	< 0.0007	mg/l	196	6/18/02	17:49
Bromobenzene	< 0.0007	mg/l	1479	6/20/02	0:20
Bromobenzene	< 0.0007	mg/l	1479	6/20/02	8:24
Bromobenzene	< 0.0007	mg/l	3788	6/20/02	8:24
Bromochloromethane	< 0.0006	mg/l	196	6/18/02	17:49
Bromochloromethane	< 0.0006	mg/l	1479	6/20/02	0:20
Bromochloromethane	< 0.0006	mg/l	1479	6/20/02	8:24
Bromochloromethane	< 0.0006	mg/l	3788	6/20/02	8:24
Bromoform	< 0.0007	mg/l	196	6/18/02	17:49
Bromoform	< 0.0007	mg/l	1479	6/20/02	0:20
Bromoform	< 0.0007	mg/l	1479	6/20/02	8:24
Bromoform	< 0.0007	mg/l	3788	6/20/02	8:24
Bromomethane	< 0.0008	mg/l	196	6/18/02	17:49
Bromomethane	< 0.0008	mg/l	1479	6/20/02	0:20
Bromomethane	< 0.0008	mg/l	1479	6/20/02	8:24
Bromomethane	< 0.0008	mg/l	3788	6/20/02	8:24
2-Butanone	< 0.0039	mg/l	196	6/18/02	17:49
2-Butanone	< 0.0039	mg/l	1479	6/20/02	0:20
2-Butanone	< 0.0039	mg/l	1479	6/20/02	8:24
2-Butanone	< 0.0039	mg/l	3788	6/20/02	8:24
n-Butylbenzene	< 0.0007	mg/l	196	6/18/02	17:49
n-Butylbenzene	< 0.0007	mg/l	1479	6/20/02	0:20
n-Butylbenzene	< 0.0007	mg/l	1479	6/20/02	8:24
n-Butylbenzene	< 0.0007	mg/l	3788	6/20/02	8:24
sec-Butylbenzene	< 0.0008	mg/l	196	6/18/02	17:49

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
sec-Butylbenzene	< 0.0008	mg/l	1479	6/20/02	0:20
sec-Butylbenzene	< 0.0008	mg/l	1479	6/20/02	8:24
sec-Butylbenzene	< 0.0008	mg/l	3788	6/20/02	8:24
t-Butylbenzene	< 0.0009	mg/l	196	6/18/02	17:49
t-Butylbenzene	< 0.0009	mg/l	1479	6/20/02	0:20
t-Butylbenzene	< 0.0009	mg/l	1479	6/20/02	8:24
t-Butylbenzene	< 0.0009	mg/l	3788	6/20/02	8:24
Carbon disulfide	< 0.0008	mg/l	196	6/18/02	17:49
Carbon disulfide	< 0.0008	mg/l	1479	6/20/02	0:20
Carbon disulfide	< 0.0008	mg/l	1479	6/20/02	8:24
Carbon disulfide	< 0.0008	mg/l	3788	6/20/02	8:24
Carbon tetrachloride	< 0.0007	mg/l	196	6/18/02	17:49
Carbon tetrachloride	< 0.0007	mg/l	1479	6/20/02	0:20
Carbon tetrachloride	< 0.0007	mg/l	1479	6/20/02	8:24
Carbon tetrachloride	< 0.0007	mg/l	3788	6/20/02	8:24
Chlorobenzene	< 0.0007	mg/l	196	6/18/02	17:49
Chlorobenzene	< 0.0007	mg/l	1479	6/20/02	0:20
Chlorobenzene	< 0.0007	mg/l	1479	6/20/02	8:24
Chlorobenzene	< 0.0007	mg/l	3788	6/20/02	8:24
Chloroethane	< 0.0009	mg/l	196	6/18/02	17:49
Chloroethane	< 0.0009	mg/l	1479	6/20/02	0:20
Chloroethane	< 0.0009	mg/l	1479	6/20/02	8:24
Chloroethane	< 0.0009	mg/l	3788	6/20/02	8:24
Chloroform	< 0.0006	mg/l	196	6/18/02	17:49
Chloroform	< 0.0006	mg/l	1479	6/20/02	0:20
Chloroform	< 0.0006	mg/l	1479	6/20/02	8:24
Chloroform	< 0.0006	mg/l	3788	6/20/02	8:24
Chloromethane	< 0.0005	mg/l	196	6/18/02	17:49
Chloromethane	< 0.0005	mg/l	1479	6/20/02	0:20
Chloromethane	< 0.0005	mg/l	1479	6/20/02	8:24
Chloromethane	< 0.0005	mg/l	3788	6/20/02	8:24
2-Chlorotoluene	< 0.0007	mg/l	196	6/18/02	17:49
2-Chlorotoluene	< 0.0007	mg/l	1479	6/20/02	0:20

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
2-Chlorotoluene	< 0.0007	mg/l	1479	6/20/02	8:24
2-Chlorotoluene	< 0.0007	mg/l	3788	6/20/02	8:24
4-Chlorotoluene	< 0.0006	mg/l	196	6/18/02	17:49
4-Chlorotoluene	< 0.0006	mg/l	1479	6/20/02	0:20
4-Chlorotoluene	< 0.0006	mg/l	1479	6/20/02	8:24
4-Chlorotoluene	< 0.0006	mg/l	3788	6/20/02	8:24
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	196	6/18/02	17:49
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	1479	6/20/02	0:20
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	1479	6/20/02	8:24
1,2-Dibromo-3-chloropropane	< 0.0031	mg/l	3788	6/20/02	8:24
Dibromochloromethane	< 0.0004	mg/l	196	6/18/02	17:49
Dibromochloromethane	< 0.0004	mg/l	1479	6/20/02	0:20
Dibromochloromethane	< 0.0004	mg/l	1479	6/20/02	8:24
Dibromochloromethane	< 0.0004	mg/l	3788	6/20/02	8:24
1,2-Dibromoethane	< 0.0005	mg/l	196	6/18/02	17:49
1,2-Dibromoethane	< 0.0005	mg/l	1479	6/20/02	0:20
1,2-Dibromoethane	< 0.0005	mg/l	1479	6/20/02	8:24
1,2-Dibromoethane	< 0.0005	mg/l	3788	6/20/02	8:24
Dibromomethane	< 0.0004	mg/l	196	6/18/02	17:49
Dibromomethane	< 0.0004	mg/l	1479	6/20/02	0:20
Dibromomethane	< 0.0004	mg/l	1479	6/20/02	8:24
Dibromomethane	< 0.0004	mg/l	3788	6/20/02	8:24
1,2-Dichlorobenzene	< 0.0005	mg/l	196	6/18/02	17:49
1,2-Dichlorobenzene	< 0.0005	mg/l	1479	6/20/02	0:20
1,2-Dichlorobenzene	< 0.0005	mg/l	1479	6/20/02	8:24
1,2-Dichlorobenzene	< 0.0005	mg/l	3788	6/20/02	8:24
1,3-Dichlorobenzene	< 0.0006	mg/l	196	6/18/02	17:49
1,3-Dichlorobenzene	< 0.0006	mg/l	1479	6/20/02	0:20
1,3-Dichlorobenzene	< 0.0006	mg/l	1479	6/20/02	8:24
1,3-Dichlorobenzene	< 0.0006	mg/l	3788	6/20/02	8:24
1,4-Dichlorobenzene	< 0.0005	mg/l	196	6/18/02	17:49
1,4-Dichlorobenzene	< 0.0005	mg/l	1479	6/20/02	0:20
1,4-Dichlorobenzene	< 0.0005	mg/l	1479	6/20/02	8:24

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,4-Dichlorobenzene	< 0.0005	mg/l	3788	6/20/02	8:24
Dichlorodifluoromethane	< 0.0004	mg/l	196	6/18/02	17:49
Dichlorodifluoromethane	< 0.0004	mg/l	1479	6/20/02	0:20
Dichlorodifluoromethane	< 0.0004	mg/l	1479	6/20/02	8:24
Dichlorodifluoromethane	< 0.0004	mg/l	3788	6/20/02	8:24
1,1-Dichloroethane	< 0.0008	mg/l	196	6/18/02	17:49
1,1-Dichloroethane	< 0.0008	mg/l	1479	6/20/02	0:20
1,1-Dichloroethane	< 0.0008	mg/l	1479	6/20/02	8:24
1,1-Dichloroethane	< 0.0008	mg/l	3788	6/20/02	8:24
1,2-Dichloroethane	< 0.0009	mg/l	196	6/18/02	17:49
1,2-Dichloroethane	< 0.0009	mg/l	1479	6/20/02	0:20
1,2-Dichloroethane	< 0.0009	mg/l	1479	6/20/02	8:24
1,2-Dichloroethane	< 0.0009	mg/l	3788	6/20/02	8:24
1,1-Dichloroethene	< 0.0008	mg/l	196	6/18/02	17:49
1,1-Dichloroethene	< 0.0008	mg/l	1479	6/20/02	0:20
1,1-Dichloroethene	< 0.0008	mg/l	1479	6/20/02	8:24
1,1-Dichloroethene	< 0.0008	mg/l	3788	6/20/02	8:24
cis-1,2-Dichloroethene	< 0.0007	mg/l	196	6/18/02	17:49
cis-1,2-Dichloroethene	< 0.0007	mg/l	3196	6/19/02	17:25
cis-1,2-Dichloroethene	< 0.0007	mg/l	1479	6/20/02	0:20
cis-1,2-Dichloroethene	< 0.0007	mg/l	1479	6/20/02	8:24
cis-1,2-Dichloroethene	< 0.0007	mg/l	3788	6/20/02	8:24
trans-1,2-Dichloroethene	< 0.0008	mg/l	196	6/18/02	17:49
trans-1,2-Dichloroethene	< 0.0008	mg/l	1479	6/20/02	0:20
trans-1,2-Dichloroethene	< 0.0008	mg/l	1479	6/20/02	8:24
trans-1,2-Dichloroethene	< 0.0008	mg/l	3788	6/20/02	8:24
1,2-Dichloropropane	< 0.0006	mg/l	196	6/18/02	17:49
1,2-Dichloropropane	< 0.0006	mg/l	1479	6/20/02	0:20
1,2-Dichloropropane	< 0.0006	mg/l	1479	6/20/02	8:24
1,2-Dichloropropane	< 0.0006	mg/l	3788	6/20/02	8:24
1,3-Dichloropropane	< 0.0006	mg/l	196	6/18/02	17:49
1,3-Dichloropropane	< 0.0006	mg/l	1479	6/20/02	0:20
1,3-Dichloropropane	< 0.0006	mg/l	1479	6/20/02	8:24

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,3-Dichloropropane	< 0.0006	mg/l	3788	6/20/02	8:24
2,2-Dichloropropane	< 0.0009	mg/l	196	6/18/02	17:49
2,2-Dichloropropane	< 0.0009	mg/l	1479	6/20/02	0:20
2,2-Dichloropropane	< 0.0009	mg/l	1479	6/20/02	8:24
2,2-Dichloropropane	< 0.0009	mg/l	3788	6/20/02	8:24
1,1-Dichloropropene	< 0.0007	mg/l	196	6/18/02	17:49
1,1-Dichloropropene	< 0.0007	mg/l	1479	6/20/02	0:20
1,1-Dichloropropene	< 0.0007	mg/l	1479	6/20/02	8:24
1,1-Dichloropropene	< 0.0007	mg/l	3788	6/20/02	8:24
cis-1,3-Dichloropropene	< 0.0007	mg/l	196	6/18/02	17:49
cis-1,3-Dichloropropene	< 0.0007	mg/l	1479	6/20/02	0:20
cis-1,3-Dichloropropene	< 0.0007	mg/l	1479	6/20/02	8:24
cis-1,3-Dichloropropene	< 0.0007	mg/l	3788	6/20/02	8:24
trans-1,3-Dichloropropene	< 0.0005	mg/l	196	6/18/02	17:49
trans-1,3-Dichloropropene	< 0.0005	mg/l	1479	6/20/02	0:20
trans-1,3-Dichloropropene	< 0.0005	mg/l	1479	6/20/02	8:24
trans-1,3-Dichloropropene	< 0.0005	mg/l	3788	6/20/02	8:24
Ethylbenzene	< 0.0007	mg/l	196	6/18/02	17:49
Ethylbenzene	< 0.0007	mg/l	1479	6/20/02	0:20
Ethylbenzene	< 0.0007	mg/l	1479	6/20/02	8:24
Ethylbenzene	< 0.0007	mg/l	3788	6/20/02	8:24
Hexachlorobutadiene	< 0.0008	mg/l	196	6/18/02	17:49
Hexachlorobutadiene	< 0.0008	mg/l	1479	6/20/02	0:20
Hexachlorobutadiene	< 0.0008	mg/l	1479	6/20/02	8:24
Hexachlorobutadiene	< 0.0008	mg/l	3788	6/20/02	8:24
2-Hexanone	< 0.0028	mg/l	196	6/18/02	17:49
2-Hexanone	< 0.0028	mg/l	1479	6/20/02	0:20
2-Hexanone	< 0.0028	mg/l	1479	6/20/02	8:24
2-Hexanone	< 0.0028	mg/l	3788	6/20/02	8:24
Isopropylbenzene	< 0.0008	mg/l	196	6/18/02	17:49
Isopropylbenzene	< 0.0008	mg/l	1479	6/20/02	0:20
Isopropylbenzene	< 0.0008	mg/l	1479	6/20/02	8:24
Isopropylbenzene	< 0.0008	mg/l	3788	6/20/02	8:24

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 51870.7

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
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4-Isopropyltoluene	< 0.0008	mg/l	196	6/18/02	17:49
4-Isopropyltoluene	< 0.0008	mg/l	1479	6/20/02	0:20
4-Isopropyltoluene	< 0.0008	mg/l	1479	6/20/02	8:24
4-Isopropyltoluene	< 0.0008	mg/l	3788	6/20/02	8:24
4-Methyl-2-pentanone	< 0.0046	mg/l	196	6/18/02	17:49
4-Methyl-2-pentanone	< 0.0046	mg/l	1479	6/20/02	0:20
4-Methyl-2-pentanone	< 0.0046	mg/l	1479	6/20/02	8:24
4-Methyl-2-pentanone	< 0.0046	mg/l	3788	6/20/02	8:24
Methylene chloride	< 0.0015	mg/l	196	6/18/02	17:49
Methylene chloride	< 0.0015	mg/l	1479	6/20/02	0:20
Methylene chloride	< 0.0015	mg/l	1479	6/20/02	8:24
Methylene chloride	< 0.0015	mg/l	3788	6/20/02	8:24
Naphthalene	0.0047	mg/l	196	6/18/02	17:49
Naphthalene	< 0.0019	mg/l	1479	6/20/02	0:20
Naphthalene	< 0.0019	mg/l	1479	6/20/02	8:24
Naphthalene	< 0.0019	mg/l	3788	6/20/02	8:24
n-Propylbenzene	< 0.0008	mg/l	196	6/18/02	17:49
n-Propylbenzene	< 0.0008	mg/l	1479	6/20/02	0:20
n-Propylbenzene	< 0.0008	mg/l	1479	6/20/02	8:24
n-Propylbenzene	< 0.0008	mg/l	3788	6/20/02	8:24
Styrene	< 0.0009	mg/l	196	6/18/02	17:49
Styrene	< 0.0009	mg/l	1479	6/20/02	0:20
Styrene	< 0.0009	mg/l	1479	6/20/02	8:24
Styrene	< 0.0009	mg/l	3788	6/20/02	8:24
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	196	6/18/02	17:49
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	1479	6/20/02	0:20
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	1479	6/20/02	8:24
1,1,1,2-Tetrachloroethane	< 0.0006	mg/l	3788	6/20/02	8:24
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	196	6/18/02	17:49
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	1479	6/20/02	0:20
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	1479	6/20/02	8:24
1,1,2,2-Tetrachloroethane	< 0.0005	mg/l	3788	6/20/02	8:24
Tetrachloroethene	< 0.0008	mg/l	196	6/18/02	17:49

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Tetrachloroethene	< 0.0008	mg/l	1479	6/20/02	0:20
Tetrachloroethene	< 0.0008	mg/l	1479	6/20/02	8:24
Tetrachloroethene	< 0.0008	mg/l	3788	6/20/02	8:24
Toluene	< 0.0007	mg/l	196	6/18/02	17:49
Toluene	< 0.0007	mg/l	1479	6/20/02	0:20
Toluene	< 0.0007	mg/l	1479	6/20/02	8:24
Toluene	< 0.0007	mg/l	3788	6/20/02	8:24
1,2,3-Trichlorobenzene	< 0.0006	mg/l	196	6/18/02	17:49
1,2,3-Trichlorobenzene	< 0.0006	mg/l	1479	6/20/02	0:20
1,2,3-Trichlorobenzene	< 0.0006	mg/l	1479	6/20/02	8:24
1,2,3-Trichlorobenzene	< 0.0006	mg/l	3788	6/20/02	8:24
1,2,4-Trichlorobenzene	0.0024	mg/l	196	6/18/02	17:49
1,2,4-Trichlorobenzene	< 0.0009	mg/l	1479	6/20/02	0:20
1,2,4-Trichlorobenzene	< 0.0009	mg/l	1479	6/20/02	8:24
1,2,4-Trichlorobenzene	< 0.0009	mg/l	3788	6/20/02	8:24
1,1,1-Trichloroethane	< 0.0007	mg/l	196	6/18/02	17:49
1,1,1-Trichloroethane	< 0.0007	mg/l	1479	6/20/02	0:20
1,1,1-Trichloroethane	< 0.0007	mg/l	1479	6/20/02	8:24
1,1,1-Trichloroethane	< 0.0007	mg/l	3788	6/20/02	8:24
1,1,2-Trichloroethane	< 0.0005	mg/l	196	6/18/02	17:49
1,1,2-Trichloroethane	< 0.0005	mg/l	1479	6/20/02	0:20
1,1,2-Trichloroethane	< 0.0005	mg/l	1479	6/20/02	8:24
1,1,2-Trichloroethane	< 0.0005	mg/l	3788	6/20/02	8:24
Trichloroethene	< 0.0009	mg/l	196	6/18/02	17:49
Trichloroethene	< 0.0009	mg/l	3196	6/19/02	17:25
Trichloroethene	< 0.0009	mg/l	3213	6/19/02	17:25
Trichloroethene	< 0.0009	mg/l	3244	6/19/02	17:25
Trichloroethene	< 0.0009	mg/l	1479	6/20/02	0:20
Trichloroethene	< 0.0009	mg/l	1479	6/20/02	8:24
Trichloroethene	< 0.0009	mg/l	3785	6/20/02	8:24
1,2,3-Trichloropropane	< 0.0004	mg/l	196	6/18/02	17:49
1,2,3-Trichloropropane	< 0.0004	mg/l	1479	6/20/02	0:20
1,2,3-Trichloropropane	< 0.0004	mg/l	1479	6/20/02	8:24

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
Page: 19

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,2,3-Trichloropropane	< 0.0004	mg/l	3788	6/20/02	8:24
1,2,4-Trimethylbenzene	< 0.0006	mg/l	196	6/18/02	17:49
1,2,4-Trimethylbenzene	< 0.0006	mg/l	1479	6/20/02	0:20
1,2,4-Trimethylbenzene	< 0.0006	mg/l	1479	6/20/02	8:24
1,2,4-Trimethylbenzene	< 0.0006	mg/l	3788	6/20/02	8:24
1,3,5-Trimethylbenzene	< 0.0008	mg/l	196	6/18/02	17:49
1,3,5-Trimethylbenzene	< 0.0008	mg/l	1479	6/20/02	0:20
1,3,5-Trimethylbenzene	< 0.0008	mg/l	1479	6/20/02	8:24
1,3,5-Trimethylbenzene	< 0.0008	mg/l	3788	6/20/02	8:24
Vinyl chloride	< 0.0002	mg/l	196	6/18/02	17:49
Vinyl chloride	< 0.0002	mg/l	1479	6/20/02	0:20
Vinyl chloride	< 0.0002	mg/l	1479	6/20/02	8:24
Vinyl chloride	< 0.0002	mg/l	3788	6/20/02	8:24
Xylenes (Total)	< 0.0009	mg/l	196	6/18/02	17:49
Xylenes (Total)	< 0.0009	mg/l	1479	6/20/02	0:20
Xylenes (Total)	< 0.0009	mg/l	1479	6/20/02	8:24
Xylenes (Total)	< 0.0009	mg/l	3788	6/20/02	8:24
Bromodichloromethane	< 0.0008	mg/l	196	6/18/02	17:49
Bromodichloromethane	< 0.0008	mg/l	1479	6/20/02	0:20
Bromodichloromethane	< 0.0008	mg/l	1479	6/20/02	8:24
Bromodichloromethane	< 0.0008	mg/l	3788	6/20/02	8:24
Trichlorofluoromethane	< 0.0007	mg/l	196	6/18/02	17:49
Trichlorofluoromethane	< 0.0007	mg/l	1479	6/20/02	0:20
Trichlorofluoromethane	< 0.0007	mg/l	1479	6/20/02	8:24
Trichlorofluoromethane	< 0.0007	mg/l	3788	6/20/02	8:24
VOA Surr 1,2-DCA-d4	107.	% Rec	196	6/18/02	17:49
VOA Surr 1,2-DCA-d4	105.	% Rec	3196	6/19/02	17:25
VOA Surr 1,2-DCA-d4	105.	% Rec	3213	6/19/02	17:25
VOA Surr 1,2-DCA-d4	105.	% Rec	3244	6/19/02	17:25
VOA Surr 1,2-DCA-d4	105.	% Rec	1479	6/20/02	0:20
VOA Surr 1,2-DCA-d4	100.	% Rec	1479	6/20/02	8:24
VOA Surr 1,2-DCA-d4	100.	% Rec	3785	6/20/02	8:24
VOA Surr 1,2-DCA-d4	100.	% Rec	3788	6/20/02	8:24

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 51870.7
Page: 20

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
-----	-----	-----	-----	-----	-----
VOA Surr Toluene-d8	103.	% Rec	196	6/18/02	17:49
VOA Surr Toluene-d8	103.	% Rec	3196	6/19/02	17:25
VOA Surr Toluene-d8	103.	% Rec	3213	6/19/02	17:25
VOA Surr Toluene-d8	103.	% Rec	3244	6/19/02	17:25
VOA Surr Toluene-d8	97.	% Rec	1479	6/20/02	0:20
VOA Surr Toluene-d8	97.	% Rec	1479	6/20/02	8:24
VOA Surr Toluene-d8	97.	% Rec	3785	6/20/02	8:24
VOA Surr Toluene-d8	97.	% Rec	3788	6/20/02	8:24
VOA Surr, 4-BFB	102.	% Rec	196	6/18/02	17:49
VOA Surr, 4-BFB	102.	% Rec	3196	6/19/02	17:25
VOA Surr, 4-BFB	102.	% Rec	3213	6/19/02	17:25
VOA Surr, 4-BFB	102.	% Rec	3244	6/19/02	17:25
VOA Surr, 4-BFB	100.	% Rec	1479	6/20/02	0:20
VOA Surr, 4-BFB	100.	% Rec	1479	6/20/02	8:24
VOA Surr, 4-BFB	100.	% Rec	3785	6/20/02	8:24
VOA Surr, 4-BFB	100.	% Rec	3788	6/20/02	8:24
VOA Surr, DBFM	106.	% Rec	196	6/18/02	17:49
VOA Surr, DBFM	107.	% Rec	3196	6/19/02	17:25
VOA Surr, DBFM	107.	% Rec	3213	6/19/02	17:25
VOA Surr, DBFM	107.	% Rec	3244	6/19/02	17:25
VOA Surr, DBFM	105.	% Rec	1479	6/20/02	0:20
VOA Surr, DBFM	105.	% Rec	1479	6/20/02	8:24
VOA Surr, DBFM	105.	% Rec	3785	6/20/02	8:24
VOA Surr, DBFM	105.	% Rec	3788	6/20/02	8:24

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 288469

TestAmerica

INCORPORATED

6/21/02

HARDING ESE 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 51870.7 FORMER TAYLOR INSTRUMENT. The Laboratory Project number is 288469. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Page 1

Sample Identification	Lab Number	Collection Date
-----	-----	-----
BR-16	02-A95624	6/ 9/02
BR-12	02-A95625	6/ 9/02
BR-13	02-A95626	6/ 9/02
BR-15	02-A95627	6/ 9/02
BR-10	02-A95628	6/ 9/02
OB-04	02-A95629	6/ 9/02
BR-04	02-A95630	6/10/02
BR-05	02-A95631	6/10/02
OB-05	02-A95632	6/10/02
BR-09	02-A95633	6/10/02
OB-08	02-A95634	6/10/02
BR-11	02-A95635	6/10/02

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: Gail A. Lage

Report Date: 6/21/02

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

Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 11342



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

Client #: 4997

Address: 1400 Centerpoint Blvd. Suite 158

City/State/Zip Code: Knoxville, TN 37932

Project Manager: Rick Ryan

Telephone Number: (865) 531-1922 Fax: (865) 531-8226

Sampler Name: (Print Name) Rob Ellis

Sampler Signature: *RA [Signature]*

Project Name: Formes Taylor Instruments

Project #: 51870.7

Site/Location ID: Rochester State: NY

Report To: Rick Ryan, Rob Ellis

Invoice To: Rick Ryan

Quote #: 102501.216.2.99 PO#: 6599

[illegible]

Knoxville Office
Fax # (865) 693-4723

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

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

Client Name Harding ESE Client #: 4999

288469

Address: 1400 Centerpoint Blvd. Suite 158

City/State/Zip Code: Knoxville TN 37932

Project Manager: Rick Ryan

Telephone Number: (865) 531-1922 Fax: (865) 531-8226

Sampler Name: (Print Name) Rob Ellis

Sampler Signature: 

Project Name: Former Taylor Instruments

Project #: 57870.7

Site/Location ID: Rochester State: NY

Report To: Rick Ryan, Rob Ellis

Invoice To: Rick Ryan

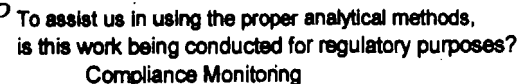
Quote #: 102501.216.2.99 PO#: 6599

[illegible]

Knoxville, TN
 Fax # (866) 995-1233

APPENDIX C

CHAIN-OF-CUSTODY FORMS



Quote #: 102501.24.2.99 PO#: 6599

Fax # (866) 693-4723

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

287708
92780-92782

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

Client Name Harding ESE

Client #: 4947

Address: 1400 Centerpoint Blvd. Suite 158

City/State/Zip Code: Knoxville, TN 37932

Project Manager: Rick Ryan

Telephone Number: (865) 531-1922

Fax: (865) 531-8226

Sampler Name: (Print Name) Rob. Ellis

Sampler Signature:

Project Name: *Former Taylor Instruments*

Project #: 57870.7

Site/Location ID: Rochester State: NY

Report To: Rick Ryan Rob Ellis

Invoice To: Rick Ryan

Quote #: 102501.216.2.99 PO#: 6599

[illegible]



Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

288464

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

Client Name: Harding ESE Client #: 4997

Address: 1400 Centerpoint Blvd Suite 158

City/State/Zip Code: Knoxville, TN 37932

Project Manager: Rick Ryan

Telephone Number: (865) 531-1922 Fax: (865) 531-8226

Sampler Name: (Print Name) Rob Ellis

Sampler Signature: [Signature]

Project Name: Former Taylor Instruments

Project #: 57870.7

Site/Location ID: Rochester State: NY

Report To: Rick Ryan, Rob Ellis

Invoice To: Rick Ryan

Quote #: 102501.216.2.99 PO#: 6599

TAT ☒ Standard ☐ Rush (surcharges may apply) Date Needed: _____ Fax Results: Y ☒ N	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers								Analyze For:										QC Deliverables	
					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)											☐ None ☒ Level 2 (Batch QC) ☐ Level 3 ☐ Level 4 Other: _____		
SAMPLE ID																									REMARKS
W-4	06/07/02	07:52	G		GW		3							3											95608
TW-13	06/07/02	09:11	G		GW		3							3											09
OB-06	06/07/02	10:48	G		GW		3							3											10
BR-08	06/07/02	14:14	G		GW		3							3											11
BR-17	06/07/02	15:28	G		GW		3							3											12
BR-03	06/07/02	16:42	G		GW		3							3											13
BR-14	06/08/02	09:04	G		GW		3							3											14
BR-01	06/08/02	10:12	G		GW		3							3											15
BR-02	06/08/02	11:39	G		GW		3							3											95616

Special Instructions:

LABORATORY COMMENTS:

Init Lab Temp:

Rec Lab Temp:

Relinquished By: <u>[Signature]</u>	Date: <u>06/11/02</u>	Time: <u>09:00</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <u>C. W. H.</u>	Date: <u>6.12.02</u>	Time: <u>0900</u>

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

Method of Shipment:

Fax COC to

Knoxville Office

Fax # (865) 693-4113



Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

288464

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

Client Name Harding ESE Client #:

Address: 1400 Centerpoint Blvd. Suite 158

City/State/Zip Code: Knoxville, TN 37932

Project Manager: Rick Ryan

Telephone Number: (865) 531-1922 Fax: (865) 531-8226

Sampler Name: (Print Name) Rob Ellis

Sampler Signature: [Signature]

Project Name: Former Taylor Instruments

Project #: 57870.7

Site/Location ID: Rochester State: NY

Report To: Rick Ryan, Rob Ellis

Invoice To: Rick Ryan

Quote #: 102501.216, 2.99 PO#: 6599

TAT ☒ Standard ☐ Rush (surcharges may apply) Date Needed: _____ Fax Results: Y ☒ N ☐	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)															
SAMPLE ID																											
QATB02	06/08/02	00:00	G		GW		1						1							956	17				Trip Blank		
QAFB02	06/08/02	12:59	G		GW		3						3								18				Field Blank		
QARB02	06/08/02	13:03	G		GW		3						3								19				Rinseate		
BR-06	06/08/02	14:19	G		GW		3						3								20						
BR-06 (MS)	06/08/02	14:20	G		GW		3						3								20				Matrix Spike		
BR-06 (MSD)	06/08/02	14:20	G		GW		3						3								20				Matrix Spike Duplicate		
BR-07	06/08/02	15:45	G		GW		3						3								21						
BR-07 (DUP)	06/08/02	15:45	G		GW		3						3								22				Duplicate		
W-6	06/08/02	16:17	G		GW		3						3								23						

Special Instructions:

LABORATORY COMMENTS:

Init Lab Temp:

Rec Lab Temp:

Relinquished By: [Signature]

Date: 06/11/02 Time: 09:00

Received By:

Date: Time:

Relinquished By:

Date: Time:

Received By:

Date: Time:

Relinquished By:

Date: Time:

Received By: C.W.H.

Date: 6.12.02 Time: 0900

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

Method of Shipment:

Fax COC to:

Knoxville Office
Fax # (865) 693-4723



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

Client #: 4997

Address: 1400 Centerpoint Blvd. Suite 158

City/State/Zip Code: Knoxville, TN 37932

Project Manager: Rick Ryan

Telephone Number: (865) 531-1922 Fax: (865) 531-8226

Sampler Name: (Print Name) Rob Ellis

Sampler Signature: KA D. CH

Project Name: Formes Taylor Instruments

Project #: 51870.7

Site/Location ID: Rochester State: NY

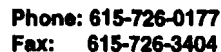
Report To: Rick Ryan, Rob Ellis

Invoice To: Rick Ryan

Quote #: 102501.216.2.99 PO#: 6599

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: _____	
													HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	VOC - 8260										REMARKS	
BR-16		06/09/02 09:34		G				GW	3				3							3										95629	
BR-12		06/09/02 10:48		G				GW	3				3							3										25	
BR-13		06/09/02 12:06		G				GW	3				3							3										26	
BR-15		06/09/02 14:58		G				GW	3				3							3										27	
BR-10		06/09/02 16:04		G				GW	3				3							3										28	
OB-04		06/09/02 17:12		G				GW	3				3							3										95629	

Knoxville Office
Fax # (866) 693-4723



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

Sampler Signature:

Quote #: 102501.216.2.99 PO#: 6599

[illegible]

Knoxville Office
Fax # (865) 533-4113

APPENDIX D

FIELD DATA RECORDS

1

2

3

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/04/02

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

JOB NUMBER 51870.7

MEASUREMENT POINT

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

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

WELL DEPTH		FT
------------	--	----

PID	PPM
AMBIENT AIR	

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

SCREEN LENGTH _____ FT

PID WELL	
MOUTH	PPM

WELL	YES	NO	N/A
INTEGRITY: CAP			

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

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

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

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

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

END
PURGING

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

Trip Blank

Time listed as 00:00

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/08/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

PROTECTIVE CASING / WELL DIFFERENCE	FT

WELL DEPTH	
	FT

PID	PPM
AMBIENT AIR	

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

SCREEN LENGTH FT

PID WELL	
MOUTH	PPM

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)

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON

☐ OTHER

NOTES

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE | 06/04/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

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

WELL DEPTH FT

PID	PPM
AMBIENT AIR	

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

SCREEN LENGTH FT

PID WELL MOUTH	PPM

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

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

TYPE OF PUMP

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 _____

NOTES

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/08/02

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

JOB NUMBER 51870.7

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 PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON

☐ OTHER _____

NOTES

SIGNATURE:

Lee A. Roth

Field Blank
Collected 12:59

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/04/02

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

JOB NUMBER 51870.7

MEASUREMENT POINT

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

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

WELL DEPTH	FT
------------	----

PID	
AMBIENT AIR	PPM

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

SCREEN LENGTH FT

PID WELL MOUTH	PPM
-------------------	-----

WELL	YES	NO	N/A
INTEGRITY: CAP			

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

PRODUCT THICKNESS FT

LOCKED _____
COLLAR _____

PURGE RATE	
	L/MIN

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

END
PURGING

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

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

Rinse Blank
Collected off rebar
Collected 11:21

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/08/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

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

WELL DEPTH	
	FT

PID	PPM
AMBIENT AIR	

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

SCREEN LENGTH FT

PID WELL	
MOUTH	PPM

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

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

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON
☐ OTHER

NOTES

SIGNATURE: Kathy G. n. [Signature]

Rinse Blank
Collected off tubing
Collected 13:03

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/08/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

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

WELL DIAMETER 4 IN

WELL	YES	NO	N/A
INTEGRITY: CAP	☒	☐	☐

UNLOCKED		—	—
LOCKED		—	—
COLLAR		—	—

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

TOTAL VOL.
PURGED 0.87 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

[illegible]

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON
☐ OTHER _____

NOTES

0940 - DTW = 17.90' b/c
0950 - DTW = 17.97'
1000 - DTW = ~~18.0~~_{RE} 17.97'
1009 - DTW = 17.95'

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/08/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

PROTECTIVE CASING / WELL DIFFERENCE	
---	--

PID	PPM
AMBIENT AIR	

WELL DIAMETER	4	IN
------------------	---	----

PID WELL	
MOUTH	PPM

WELL INTEGRITY: CAP YES NO N/A
X

PRODUCT THICKNESS	ET
-------------------	----

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

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

END
PURGING

TOTAL VOL. PURGED 1.01 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

TYPE OF PUMP

☐ SUBMERSIBLE☐ OTHER

TYPE OF TUBING

 HIGH DENSITY POLYETHYLENE☐ OTHER

TYPE OF PUMP MATERIAL

☐ STAINLESS STEEL

☐ OTHER

TYPE OF BLADDER MATERIAL (if applicable)

☐ OTHER

NOTES

1052 - DTW = 23.28' bfor
1104 - DTW = 23.29'
1115 - DTW = 23.32'
1126 - DTW = 23.37'
1137 - DTW = 23.42'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/10/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

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

WELL DEPTH	40.80	FT
------------	-------	----

PID	PPM
AMBIENT AIR	

WELL DIAMETER 4 IN

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

PID WELL MOUTH	PPM
----------------	-----

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	—	—
CASING	<u>X</u>	—	—
LOCKED	<u>X</u>	—	—
COLLAR	<u>X</u>	—	—

DRAWDOWN VOLUME	0.07	GAL
--------------------	------	-----

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

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

BEGIN PURGING 0749

END PURGING	9854
----------------	------

TOTAL VOL. PURGED 1.03 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON

☐ OTHER

NOTES

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/10/02

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

JOB NUMBER	51870.7
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MEASUREMENT POINT

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

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

WELL DEPTH 50.15 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER	4	IN
------------------	---	----

SCREEN LENGTH FT

PID WELL	
MOUTH	PPM

WELL		YES	NO	N/A
INTEGRITY:	CAP	X		

DRAWDOWN VOLUME	0.26	GAL
--------------------	------	-----

PRODUCT THICKNESS FT

CASING	$\frac{x}{x}$	—	—
LOCKED	$\frac{x}{x}$	—	—
COLLAR	$\frac{x}{x}$	—	—

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

BEGIN PURGING 0909

END
PURGING

TOTAL VOL. PURGED 1.03 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

☐ POLYVINYL CHLORIDE
☐ STAINLESS STEEL
☐ OTHER _____

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON
☐ OTHER _____

NOTES

0926 - DTW = 19.22' ^{6_{for}}
0935 - DTW = 19.32'
0945 - DTW = 19.24'
0954 - DTW = 19.31'
1004 - DTW = 19.41'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/08/02

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

JOB NUMBER	51870.7
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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	
---	--

WELL DEPTH 43.55 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER	4
------------------	---

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

PID WELL	
MOUTH	PPM

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	—	—
CASING	<u>X</u>	—	—
LOCKED	<u>X</u>	—	—
COLLAR	<u>X</u>	—	—

DRAWDOWN VOLUME	0.44	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	1332
------------------	------

END
PURGING

TOTAL VOL. PURGED 1.12 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

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

1343 - DTW = 12.95' bto
1351 - DTW = 13.05'
1359 - DTW = 13.19'
1408 - DTW = 15.20'
1417 - DTW = 13.31'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/08/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

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

WELL DIAMETER 4 IN

WELL	YES	NO	N/A
INTEGRITY: CAP	☒	☐	☐

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

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

TOTAL VOL. PURGED 1.17 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON

☐ OTHER

NOTES

1505 - DTW = 24.50' for
1514 - DTW = 24.51'
1524 - DTW = 24.54'
1532 - DTW = 24.52'
1543 - DTW = 24.52'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/07/02

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

JOB NUMBER	51870.7
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MEASUREMENT POINT

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

PROTECTIVE CASING / WELL DIFFERENCE	
---	--

WELL DIAMETER 4 IN

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	—	—
CASING	<u>X</u>	—	—
LOCKED	<u>X</u>	—	—
COLLAR	<u>X</u>	—	—

PRODUCT THICKNESS		ET
-------------------	--	----

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

TOTAL VOL. PURGED 1.09 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON
☐ OTHER _____

NOTES

B29 DTW = 22.11' bto
 B41 DTW = 22.37'
 B50 PTW = 22.62'
 1401 DTW = 22.78'
 1412 DTW = 23.00'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/10/02

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

JOB NUMBER 51870.7

MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)		F7
---	--	----

PROTECTIVE CASING / WELL DIFFERENCE	FT

WELL DIAMETER	6	IN
------------------	---	----

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	—	—
CASING	<u>X</u>	—	—
LOCKED	—	<u>X</u>	—
COLLAR	<u>X</u>	—	—

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 1.03 GAL
(purge rate {L/min} x duration (min) x 0.26 gal/L)

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON

☐ OTHER _____

NOTES

1301 - DTW = 21.00' b/r
1310 - DTW = 21.05'
1319 - DTW = 21.05'
1328 - DTW = 20.98'
1338 - DTW = 21.03'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/09/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

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

WELL DEPTH 50.25 FT

PID	PPM
AMBIENT AIR	

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

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

PID WELL MOUTH	PPM
-------------------	-----

WELL	YES	NO	N/A
INTEGRITY: CAP	X		

DRAWDOWN VOLUME	0	GAL
--------------------	---	-----

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

LOCKED	<u>X</u>	<u>X</u>	<u> </u>
COLLAR	<u>X</u>	<u> </u>	<u> </u>

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

BEGIN
PURGING

1522

END PURGING	1608
----------------	------

TOTAL VOL. PURGED 6.79 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

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

NOTES

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/10/02

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

JOB NUMBER	51870.7
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MEASUREMENT POINT

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

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

WELL DIAMETER	6	IN
------------------	---	----

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	<u> </u>	<u> </u>

LOCKED	$\frac{x}{x}$	$\frac{x}{x}$	$\frac{x}{x}$
COLLAR	$\frac{x}{x}$	$\frac{x}{x}$	$\frac{x}{x}$

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

TOTAL VOL. PURGED 1.09 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON

☐ OTHER

NOTES

1531 - DTW = 21.12' blor
1541 - DTW = 21.15'
1550 - DTW = 21.15'
1559 - DTW = 21.15'
1608 - DTW = 21.16'

SIGNATURE:

Harding ESE

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2002 2nd Qtr. Sampling Event

DATE 06/04/02

SITE ID B2-12

SITE TYPE Monitor Well

SITE ACTIVITY START 09:47 END 10:57

JOB NUMBER 51870.7

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER 14.37 FT

WELL DEPTH 44.45 FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 14.81 FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN 0.44 FT

DRAWDOWN VOLUME 0.66 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 0.068 L/MIN

BEGIN PURGING 0950

END PURGING 1051

TOTAL VOL. PURGED 1.08 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
1009	~1.35	7.23	2.39	40.8	0.80	20.21	-222	~71 m/min
1020	~2.13	7.25	2.38	41.7	0.54	19.57	-221	~71 m/min
1028	~2.67	7.24	2.37	53.6	0.53	19.93	-221	~67 m/min
1037	~3.26	7.25	2.37	53.8	0.44	20.14	-221	~65 m/min
1046	~3.86	7.25	2.37	63.7	0.42	20.50	-222	~67 m/min
1048	Collect sample B2-12 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

1009 - DTW = 14.47' bfor
 1020 - DTW = 14.60'
 1028 - DTW = 14.68'
 1037 - DTW = 14.79'
 1046 - DTW = 14.81'

SIGNATURE: [Signature]

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/09/02

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

SITE ACTIVITY	START 10:59	END 12:17
---------------	-------------	-----------

JOB NUMBER	51870.7
------------	---------

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	20.73	FT
---------------------------	-------	----

WELL DEPTH 78.2 FT

PID	
AMBIENT AIR	PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 20.73 FT

SCREEN LENGTH	
	FT

PID WELL MOUTH	PPM

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

DRAWDOWN	$\emptyset$ FT
----------	----------------

DRAWDOWN VOLUME	ϕ	GAL
--------------------	--------	-----

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

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

PURGE RATE 20.057 L/MIN

BEGIN PURGING	1102
------------------	------

END PURGING	1210
----------------	------

TOTAL VOL. PURGED 1.01 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

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

1123 - DTW = 20.70' b/c
1133 - PTW = 20.74'
1143 - DTW = 20.65'
1154 - DTW = 20.65'
1203 - DTW = 20.65'

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/08/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)	FT

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

WELL DIAMETER 4 IN

WELL	YES	NO	N/A
INTEGRITY: CAP	☒	☐	☐

CASING	<u>X</u>	—	—
LOCKED	<u>X</u>	—	—
COLLAR	<u>X</u>	—	—

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

TOTAL VOL. PURGED 1.14 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

TYPE OF PUMP

☐ OTHER

TYPE OF TUBING

☐ OTHER

TYPE OF PUMP MATERIAL

☐ OTHER

TYPE OF BLADDER MATERIAL (if applicable)

☐ OTHER

PURGE OBSERVATIONS

NOTES

084 - DTW = 17.94' btor
0827 - DTW = 18.10' btor
0842 - DTW = 18.42'
0853 - DTW = 18.61'
0901 - DTW = 18.97'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/09/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

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

WELL DIAMETER	6	IN
------------------	---	----

WELL	YES	NO	N/A
INTEGRITY: CAP	X		

SHIRTS	$\frac{z}{x}$	—	—
LOCKED	$\frac{x}{y}$	—	—
COLLAR	y	—	—

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

TOTAL VOL. PURGED 1.08 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

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

NOTES

SIGNATURE: _____

RA 25A

0852	DTW = 20.05
0902	DTW = 20.10
0912	DTW = 20.13
0922	DTW = 20.18
0931	DTW = 20.22

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/07/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

PROTECTIVE CASING / WELL DIFFERENCE	FT

WELL DEPTH 62.2 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER 6 IN

SCREEN LENGTH	FT

PID WELL	
MOUTH	PPM

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	—	—
CASING	<u>X</u>	—	—
LOCKED	<u>X</u>	—	—
COLLAR	<u>X</u>	—	—

DRAWDOWN VOLUME	0	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

1428

END
PURGING

TOTAL VOL. PURGED 1.10 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

Horiba | Downwell

EQUIPMENT DOCUMENTATION

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☒ PERISTALTIC
☐ SUBMERSIBLE
☐ OTHER _____

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

☐ POLYVINYL CHLORIDE
☐ STAINLESS STEEL
☐ OTHER _____

☐ TEFLON
☐ OTHER

PURGE OBSERVATIONS

NOTES

1447 DTW = 22.00' bkn
1456 DTW = 22.00'
1506 DTW = 21.98'
1517 DTW = 21.98'
1526 DTW = 21.99'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE | 06/07/02

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

JOB NUMBER	51870.7
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MEASUREMENT POINT

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

PROTECTIVE CASING / WELL DIFFERENCE	FT

WELL DEPTH FT

PID	
AMBIENT AIR	PPM

WELL DIAMETER	2 IN
------------------	------

SCREEN LENGTH FT

PID WELL	
MOUTH	PPM

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	---	---
CASING	<u>X</u>	---	---
LOCKED	<u>X</u>	---	---
COLLAR	<u>X</u>	---	---

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

TYPE OF PUMP

☐ 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 _____

NOTES

Well obstructed at 6.07' btor
Cannot collect sample

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/09/02

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

JOB NUMBER	51870.7
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MEASUREMENT POINT

PROTECTIVE CASING STICKUP (FROM GROUND)	FT

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

WELL DEPTH 16.45 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER 2 IN

SCREEN LENGTH	F1
---------------	----

PID WELL MOUTH	PPM

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	---	---
CASING	<u>X</u>	---	---
LOCKED	<u>X</u>	---	---
COLLAR	<u>X</u>	---	---

DRAWDOWN VOLUME	.168	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 1624

END
PURGING

TOTAL VOL. PURGED 0.96 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

☐ POLYVINYL CHLORIDE

☐ STAINLESS STEEL

☐ OTHER _____

TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON
☐ OTHER _____

NOTES

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE | 06/10/02

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

JOB NUMBER	51870.7
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MEASUREMENT POINT

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

PROTECTIVE CASING / WELL DIFFERENCE	
---	--

WELL DEPTH 17.50 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER	2	IN
------------------	---	----

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

PID WELL	
MOUTH	PPM

WELL	YES	NO	N/A
INTEGRITY: CAP	☒	☐	☐

DRAWDOWN VOLUME	2.12	GAL
--------------------	------	-----

PRODUCT THICKNESS		ET
-------------------	--	----

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

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

BEGIN
PURGING

END
PURGING

TOTAL VOL. PURGED 0.83 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

1049 - DTW = 5.95' b/or
1101 - DTW = 6.08' b/or
1112 - DTW = 6.20'
1122 - DTW = 6.32'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER	51870.7
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TOTAL VOL. PURGED 5.30 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/06/02

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

JOB NUMBER	51870.7
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MEASUREMENT POINT

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

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

WELL DEPTH 20.01 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER 2 IN

SCREEN LENGTH FT

PID WELL	
MOUTH	PPM

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	—	—
CASING	<u>X</u>	—	—
LOCKED	<u>X</u>	—	—
COLLAR	<u>X</u>	—	—

DRAWDOWN VOLUME	0.14	GAL
--------------------	------	-----

PRODUCT THICKNESS FT

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

BEGIN
PURGING

0816

END
PURGING

TOTAL VOL. PURGED 1.75 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

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

0831 - DTW = 7.00' for
0839 - DTW = 7.07'
0847 - DTW = 7.13'
0855 - DTW = 7.19'
0904 - DTW = 7.26'

SIGNATURE:

Roll A. EA

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/10/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

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

WELL DIAMETER	2	IN
------------------	---	----

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	—	—
CASING	<u>X</u>	—	—
LOCKED	<u>X</u>	—	—
COLLAR	<u>X</u>	—	—

PRODUCT THICKNESS FT

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

TOTAL VOL. PURGED	1.04	GAL
----------------------	------	-----

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

TYPE OF PUMP

☐ SUBMERSIBLE☐ OTHER

TYPE OF TUBING

☒ HIGH DENSITY POLYETHYLENE

☐ OTHER

TYPE OF PUMP MATERIAL

☐ STAINLESS STEEL

☐ OTHER

TYPE OF BLADDER MATERIAL (if applicable)

☐ OTHER**PURGE OBSERVATIONS**

NOTES

1417 DTW = 11.14'
1426 DTW = 11.27'
1436 DTW = 11.35'
1446 DTW = 11.35'
1456 DTW = 11.40'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/05/02

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

JOB NUMBER	51870.7
------------	---------

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

MEASUREMENT POINT:

☒	TOP OF WELL RISER
☐	TOP OF PROTECTIVE CASING
☐	OTHER

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

PROTECTIVE CASING / WELL DIFFERENCE	
---	--

WELL DIAMETER	2	IN
------------------	---	----

WELL	YES	NO	N/A
INTEGRITY: CAP	X		

CASING	<u>X</u>	—	—
LOCKED	<u>X</u>	—	—
COLLAR	<u>X</u>	—	—

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

TOTAL VOL. PURGED	1.68	GAL
----------------------	------	-----

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

PURGE DATA

[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

1456 - DTW = 8.65' b_{top}

1503 - PTW = 8.65' btor

1512 - DTW = 8.66' btor

1520 - DTW = 8.65' bfor

1529 - DTW = 8.67' btoe

SIGNATURE: _____

Walt D. Hoff

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/05/02

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

JOB NUMBER 51870.7

MEASUREMENT POINT

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

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

WELL DEPTH 18.35 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER	2 IN
------------------	------

SCREEN LENGTH	FT

PID WELL MOUTH	PPM
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100
11	110
12	120
13	130
14	140
15	150
16	160
17	170
18	180
19	190
20	200
21	210
22	220
23	230
24	240
25	250
26	260
27	270
28	280
29	290
30	300
31	310
32	320
33	330
34	340
35	350
36	360
37	370
38	380
39	390
40	400
41	410
42	420
43	430
44	440
45	450
46	460
47	470
48	480
49	490
50	500
51	510
52	520
53	530
54	540
55	550
56	560
57	570
58	580
59	590
60	600
61	610
62	620
63	630
64	640
65	650
66	660
67	670
68	680
69	690
70	700
71	710
72	720
73	730
74	740
75	750
76	760
77	770
78	780
79	790
80	800
81	810
82	820
83	830
84	840
85	850
86	860
87	870
88	880
89	890
90	900
91	910
92	920
93	930
94	940
95	950
96	960
97	970
98	980
99	990
100	1000

WELL	YES	NO	N/A
INTEGRITY: CAP	☒	☐	☐

DRAWDOWN VOLUME	0.08	GAL
--------------------	------	-----

PRODUCT THICKNESS FT

CASING	$\frac{2}{X}$	—	—
LOCKED	$\frac{X}{X}$	—	—
COLLAR	$\frac{X}{X}$	—	—

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

BEGIN PURGING	1001
------------------	------

END
PURGING

TOTAL VOL. PURGED 1.45 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 _____

NOTES

1013 - DTW = 9.08' *Star*
1020 - DTW = 9.12'
1028 - DTW = 9.20'
1035 - DTW = 9.25'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/05/02

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

JOB NUMBER	51870.7
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MEASUREMENT POINT

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

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

WELL DEPTH 17.7 FT

PID	
AMBIENT AIR	PPM

WELL DIAMETER	2	IN
------------------	---	----

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

PID WELL MOUTH	PPM
-------------------	-----

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

DRAWDOWN VOLUME	0.01	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 1307

END
PURGING

1421

TOTAL VOL. PURGED = 1.52 GAL
(purge rate {L/min} x duration (min) x 0.26 gal/L)

Horiba	Down-well
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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

1323 - DTW = 6.90' bfor
1332 - DTW = 6.91' bfor
1340 - DTW = 6.92' bfor
1348 - DTW = 6.92' bfor

SIGNATURE:

Harding ESE

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2002 2nd Qtr Sampling Event

DATE 06/07/02

SITE ID TN-13

SITE TYPE Monitor Well

SITE ACTIVITY START 08:08 END 09:20

JOB NUMBER 51870.7

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) FT

PROTECTIVE CASING / WELL DIFFERENCE FT

INITIAL DEPTH TO WATER 5.05 FT

WELL DEPTH 15.1 FT

PID AMBIENT AIR PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 5.83 FT

SCREEN LENGTH FT

PID WELL MOUTH PPM

WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN 0.78 FT

DRAWDOWN VOLUME 0.12 GAL

PRODUCT THICKNESS FT

CASING LOCKED X
COLLAR X

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

PURGE RATE 0.080 L/MIN

BEGIN PURGING 0813

END PURGING 0915

TOTAL VOL. PURGED 1.29 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
0826	≈ 1.04	6.81	1.40	60.9	2.30 8.10	14.17	23	≈ 80 ml/min
0836	≈ 1.78	6.81	1.37	52.4	2.13 8.12	14.54	5	≈ 74 ml/min
0845	≈ 2.47	6.81	1.35	57.9	1.90 7.71	14.57	7	≈ 77 ml/min
0853	≈ 3.11	6.81	1.35	61.6	1.93 6.31	14.52	1	≈ 80 ml/min
0900	≈ 3.69	6.81	1.34	72.4	1.68 5.37	14.81	-1	≈ 83 ml/min
0909	≈ 4.44	6.81	1.33	84.7	1.82 4.91	14.62	-2	≈ 83 ml/min
0911	Collect sample TN-13 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

0827 - DTW = 5.72' bhr
0837 - DTW = 5.84' bhr
0846 - DTW = 5.89'
0853 - DTW = 5.93'
0901 - DTW = 5.96'
0909 - DTW = 5.99'

SIGNATURE:

[Signature]

Harding ESE

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2002 2nd Qtr Sampling Event

DATE 06/04/02

SITE ID TW-17

SITE TYPE Monitor Well

SITE ACTIVITY START 16:16 END 17:39

JOB NUMBER 51870.7

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND) FT

PROTECTIVE CASING / WELL DIFFERENCE FT

INITIAL DEPTH TO WATER 7.12 FT

WELL DEPTH 17.45 FT

PID AMBIENT AIR PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 7.31 FT

SCREEN LENGTH FT

PID WELL MOUTH PPM

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

DRAWDOWN 0.19 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 0.093 L/MIN

BEGIN PURGING 1621

END PURGING 1733

TOTAL VOL. PURGED 1.74 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
1633	~1.20	7.19	0.763	10.8	10.85	5.45	13.83	~100 ml/min
1643	~2.07	7.19	0.777	13.1	10.48	5.85	14.15	~87 ml/min
1649	~2.59	7.19	0.779	17.1	10.57	5.26	14.00	~87 ml/min
1656	~3.26	7.18	0.784	22.7	10.53	4.90	13.59	~95 ml/min
1703	~3.93	7.18	0.784	27.3	10.29	4.77	13.70	~95 ml/min
1707	Collect sample TW-17 for 8260 + NA parameters							

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

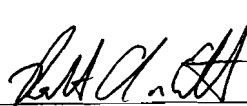
TYPE OF BLADDER MATERIAL (if applicable)

☐ TEFLON
☐ OTHER

PURGE OBSERVATIONS

NOTES

1633 - DTW = 7.41' bfor
1649 - DTW = 7.42'
1657 - DTW = 7.44'
1704 - DTW = 7.45'

SIGNATURE: 

Harding ESE

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2002 2nd Qtr Sampling Event

DATE 06/05/02

SITE ID TW-20

SITE TYPE Monitor Well

SITE ACTIVITY START 08:08 END 09:55

JOB NUMBER 51870.7

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- ☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) FT

PROTECTIVE CASING / WELL DIFFERENCE FT

INITIAL DEPTH TO WATER 11.66 FT

WELL DEPTH 17.22 FT

PID AMBIENT AIR PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 11.91 FT

SCREEN LENGTH FT

PID WELL MOUTH PPM

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

DRAWDOWN 0.25 FT

DRAWDOWN VOLUME 0.04 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 0.079 L/MIN

BEGIN PURGING 0845
0844 0819

END PURGING 0945

TOTAL VOL. PURGED 1.77 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
0836	≈ 1.31	7.12	0.99	24.6	1.28	2.90	14.51	71 ≈ 77 mV/min
0845	≈ 2.03	7.14	0.94	27.0	1.73	2.83	14.80	61 ≈ 80 mV/min
0854	≈ 2.78	7.16	0.91	36.8	2.90	3.00	15.17	53 ≈ 83 mV/min
0902	≈ 3.44	7.16	0.835	45.4	3.21	2.94	15.43	44 ≈ 83 mV/min
0911	≈ 4.11	7.16	0.830	55.8	3.70	3.07	15.66	65 ≈ 74 mV/min
0914	Collect sample TW-20 for 8260 + NA parameters							

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

0838 - DTW = 11.90' btor
0846 - DTW = 11.91'
0855 - DTW = 11.95'
0902 - DTW = 11.96'
0911 - DTW = 11.96'

SIGNATURE: [Signature]

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/04/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

PROTECTIVE CASING / WELL DIFFERENCE	FT

WELL DEPTH 20.9 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER	2	IN
------------------	---	----

SCREEN LENGTH FT

PID WELL	
MOUTH	PPM

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	—	—
CASING	<u>X</u>	—	—
LOCKED	<u>X</u>	—	—
COLLAR	<u>X</u>	—	—

DRAWDOWN VOLUME	0.16	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 1.03 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

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 _____

NOTES

1313 - DTW = 8.87' b/w
1320 - DTW = 9.00'
1328 - DTW = 9.05'
1336 - DTW = 9.10'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/06/02
06/07/02

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

JOB NUMBER	51870.7
------------	---------

☒	TOP OF WELL RISER
☐	TOP OF PROTECTIVE CASING
☐	OTHER

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

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

WELL DEPTH 28.84 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER	2	11
------------------	---	----

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

PID WELL MOUTH	PPM

WELL		YES	NO	N/A
INTEGRITY:	CAP	☒	☐	☐

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

PRODUCT THICKNESS FT

CASING	$\frac{x}{x}$	—	—
LOCKED	$\frac{x}{x}$	—	—
COLLAR	$\frac{x}{x}$	—	—

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

PURGE RATE	
	L/MIN

BEGIN PURGING	1406
------------------	------

END PURGING	
----------------	--

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

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

[illegible]

☒ PERISTALTIC
☐ SUBMERSIBLE
☐ OTHER

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

☐ POLYVINYL CHLORIDE
☐ STAINLESS STEEL
☐ OTHER _____

☐ TEFLON

☐ OTHER _____

NOTES

1421 - DTW = 9.95' btor
1432 - DTW = 10.68' btor

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/06/02

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

JOB NUMBER	51870.7
------------	---------

MEASUREMENT POINT

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

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

WELL DEPTH 21.80 FT

PID	PPM
AMBIENT AIR	

WELL DIAMETER	2	IN
------------------	---	----

SCREEN LENGTH FT

PID WELL MOUTH	PPM

WELL	YES	NO	N/A
INTEGRITY: CAP	X		

DRAWDOWN VOLUME	0.25	GAL
--------------------	------	-----

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

CASINO	$\frac{\lambda}{\lambda}$	=	=
LOCKED	$\frac{\lambda}{\lambda}$	=	=
COLLAR	$\frac{\lambda}{\lambda}$	=	=

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

BEGIN PURGING 0955

END
PURGING

TOTAL VOL. PURGED 1.63 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

Horizon	Dam-well
---------	----------

EQUIPMENT DOCUMENTATION

TYPE OF PUMP

TYPE OF TUBING

TYPE OF PUMP MATERIAL

TYPE OF BLADDER MATERIAL (if applicable)

☒ PERISTALTIC
☐ SUBMERSIBLE
☐ OTHER _____

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

☐ POLYVINYL CHLORIDE
☐ STAINLESS STEEL
☐ OTHER _____

☐ TEFLON
☐ OTHER

PURGE OBSERVATIONS

NOTES

1013 - DTW = 6.92' bto
1022 - DTW = 7.27'
1031 - DTW = 7.44'
1043 - DTW = 7.41'
1053 - DTW = 7.44'

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

DATE 06/06/02

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

JOB NUMBER	51870.7
------------	---------

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	
---	--

INITIAL DEPTH TO WATER	5.21	FT
---------------------------	------	----

WELL DEPTH 11.30 FT

PID
AMBIENT AIR PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER	FT
-------------------------	----

SCREEN LENGTH	FT

PID WELL MOUTH	PPM

WELL	YES	NO	N/A
INTEGRITY: CAP	<u>X</u>	—	—
CASING	<u>X</u>	—	—
LOCKED	<u>X</u>	—	—
COLLAR	<u>X</u>	—	—

DRAWDOWN	
	ET

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

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

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

PURGE RATE	
RATE	L/MIN

BEGIN PURGING 1317

END PURGING	
----------------	--

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

PURGE DATA

Florida / Down-well

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1331	≈ 1.08	12.53	8.15	44.8	6.68 5.00	15.65	-82	≈ 77 mV/min
1347	≈ 2.22	12.51	7.92	41.4	7.08 4.65	15.77	-60	≈ 71 mV/min
1349	Cannot minimize drawdown - purge well dry + sample when well is recharged							
1355	Well purged dry							
1617	Collect sample W-6 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

1331 - DTW = 7.00' stor

$$1348 - DTW = 8.62'$$

1614 - DTW = 9.31' bfor

SIGNATURE:

APPENDIX E

WELL CONSTRUCTION INFORMATION

Appendix E Well Construction Information

Quarterly Progress Report
Second Quarter 2002
Former Taylor Instruments Site
Rochester, New York

Well ID	Date Installed	Boring Depth	Well Depth	Screen Interval		Coordinates			Well Material	Completion		
				Top	Bottom	Easting	Northing	Elevation		Flush-mount	Vault	Stick-up
BR-01	09/02/97	42.2	42.2	NA	NA	750364.06	1150086.89	531.92	Stainless / Open	X		
BR-02	09/02/97	44.0	44.0	NA	NA	750541.81	1149964.51	532.39	Stainless / Open	X		
BR-03	09/02/97	40.1	40.1	NA	NA	750552.93	1149641.68	536.32	Stainless / Open			X
BR-04	09/03/97	44.2	44.2	NA	NA	750322.96	1149422.13	532.68	Stainless / Open	X		
BR-05	09/03/97	49.9	49.9	NA	NA	750216.62	1149958.67	531.76	Stainless / Open	X		
BR-06	09/03/97	42.6	42.6	NA	NA	749939.91	1149145.54	539.1	Stainless / Open	X		
BR-07	09/03/97	53.3	53.3	NA	NA	749983.5	1149989.76	534.46	Stainless / Open			X
BR-08	07/28/00	73.0	73.0	NA	NA	750340.94	1149482.41	533.13	Iron / Open	X		
BR-09	07/28/00	47.0	47.0	NA	NA	750400.72	1149438.67	532.72	Iron / Open	X		
BR-10	07/28/00	47.0	47.0	NA	NA	750426.9	1149411.76	532.29	Iron / Open	X		
BR-11	07/28/00	52.0	52.0	NA	NA	750387.82	1149546.25	532.53	Iron / Open	X		
BR-12	07/28/00	42.0	42.0	NA	NA	750195.19	1150010.12	531.9	Iron / Open	X		
BR-13	07/28/00	67.5	67.5	NA	NA	750197.49	1150044.27	532.01	Iron / Open	X		
BR-14	07/28/00	75.3	75.3	NA	NA	750260.61	1150052.2	531.67	Iron / Open	X		
BR-15	07/26/00	72.0	72.0	NA	NA	750293.39	1149980.43	531.69	Iron / Open	X		
BR-16	07/26/00	55.0	55.0	NA	NA	750223.79	1150013.71	531.32	Iron / Open	X		
BR-17	07/28/00	52.0	52.0	NA	NA	750333.76	1149478.26	533.16	Iron / Open	X		
EW-N-1	08/15/00	27.0	27.0	5.2	26.0	750198.77	1149956.96	529.28	Stainless / PVC		X	
EW-N-2	08/23/00	27.0	27.0	5.5	26.0	750225.81	1149942.16	528.76	Stainless / PVC		X	
EW-N-3	08/22/00	26.8	26.8	5.2	25.8	750217.16	1149980.06	528.69	Stainless / PVC		X	
EW-N-4	08/23/00	26.0	26.0	7.2	25.0	750259.43	1149928.84	529.32	Stainless / PVC		X	
EW-N-5	08/16/00	27.0	27.0	5.5	26.0	750257.98	1149972.33	528.26	Stainless / PVC		X	
EW-N-6	08/18/00	25.5	25.0	6.1	24.0	750293.49	1149957.98	529.18	Stainless / PVC		X	
EW-S-1S	10/01/98	14.0	13.7	4.3	13.7	750332.8	1149428.08	529.41	Stainless		X	
EW-S-1D	10/01/98	18.3	18.3	4.3	17.9	750327.22	1149428.49	529.41	Stainless		X	
EW-S-2	07/26/00	23.1	22.0	5.5	21.0	750256.26	1149404.38	528.68	Stainless / PVC		X	
EW-S-3	07/28/00	23.5	22.0	5.5	21.0	750301.18	1149370.46	529.55	Stainless / PVC		X	
EW-S-4	07/26/00	23.5	22.0	5.5	21.0	750293.94	1149418.71	532.41	Stainless / PVC		X	
EW-S-5	08/01/00	23.5	22.5	5.8	21.5	750325.14	1149386.52	529.53	Stainless / PVC		X	

Appendix E Well Construction Information

Quarterly Progress Report
Second Quarter 2002
Former Taylor Instruments Site
Rochester, New York

Well ID	Date Installed	Boring Depth	Well Depth	Screen Interval		Coordinates			Well Material	Completion		
				Top	Bottom	Easting	Northing	Elevation		Flush-mount	Vault	Stick-up
EW-S-6	07/31/00	22.9	22.4	5.9	20.9	750341.87	1149362.58	529.27	Stainless / PVC		X	
EW-S-7	08/07/00	23.1	22.5	5.9	21.6	750339.03	1149413.8	529.59	Stainless / PVC		X	
EW-S-8	08/02/00	23.0	22.5	5.8	21.5	750359.86	1149402.69	529.65	Stainless / PVC		X	
EW-S-9	08/03/00	23.0	22.5	6.0	21.5	750355.07	1149440.13	532.99	Stainless / PVC		X	
EW-S-10	08/09/00	22.6	22.5	6.0	21.5	750381.3	1149367.65	529.43	Stainless / PVC		X	
EW-S-11	08/08/00	22.6	22.5	5.9	22.0	750377.04	1149418.02	529.5	Stainless / PVC		X	
EW-S-12	08/04/00	22.3	22.3	5.8	21.3	750375.38	1149466.45	529.96	Stainless / PVC		X	
EW-S-13	08/10/00	22.0	22.0	6.0	21.0	750399.16	1149448.68	529.53	Stainless / PVC		X	
EW-S-14	08/11/00	22.0	22.0	5.6	21.0	750406.59	1149410.24	529.37	Stainless / PVC		X	
EW-S-15	08/14/00	22.0	21.8	5.2	20.8	750414.78	1149480.34	529.96	Stainless / PVC		X	
EW-S-16	08/10/00	21.3	21.3	5.2	20.3	750433.72	1149448.95	529.57	Stainless / PVC		X	
OB-04	09/05/97	17.5	17.5	2.5	17.5	750329.65	1149422.19	532.8	PVC	X		
OB-05	09/05/97	18.0	18.0	4.0	18.0	750223.51	1149958.83	531.5	PVC	X		
OB-06	07/19/00	17.0	17.0	6.8	16.8	750421.89	1149461.5	532.6	PVC	X		
OB-07	07/19/00	20.5	20.5	10.2	20.2	750461.13	1149512.6	533.03	PVC	X		
OB-08	07/28/00	25.5	25.3	15.3	25.1	750279	1149957.45	531.64	PVC	X		
OB-09	07/28/00	23.5	23.3	13.3	23.1	750312.26	1149992.94	531.85	PVC	X		
TW-01	03/12/96	22.0	22.0	17.0	22.0	750548.13	1149471.23	533.3	PVC	X		
TW-04	03/15/96	17.5	17.3	12.3	17.3	750552.18	1149648.54	536.34	PVC			X
TW-07	03/15/96	17.5	17.5	12.5	17.5	750546.69	1149830.01	532.55	PVC	X		
TW-09	03/30/96	16.0	16.0	11.0	16.0	750542.22	1149971.84	532.3	PVC	X		
TW-13	03/12/96	15.0	15.0	10.0	15.0	750086.24	1150016.03	531.69	PVC	X		
TW-17	03/13/96	15.0	15.0	10.0	15.0	750373.39	1150088.34	531.86	PVC			X
TW-20	03/13/96	15.0	15.0	10.0	15.0	750547.88	1150118.75	532.42	PVC			X
W-2	09/15/82	21.0	18.0	13.0	18.0	749940.43	1149136.77	539.1	PVC			X
W-4	09/22/82	29.0	26.0	21.0	26.0	749977.63	1149996.42	533.12	PVC			X
W-5	09/15/82	24.0	20.5	15.5	20.5	750248.88	1150056.27	531.52	PVC	X		
W-6	09/15/82	16.5	15.0	13.0	15.0	750288.78	1149332.79	532.66	PVC	X		

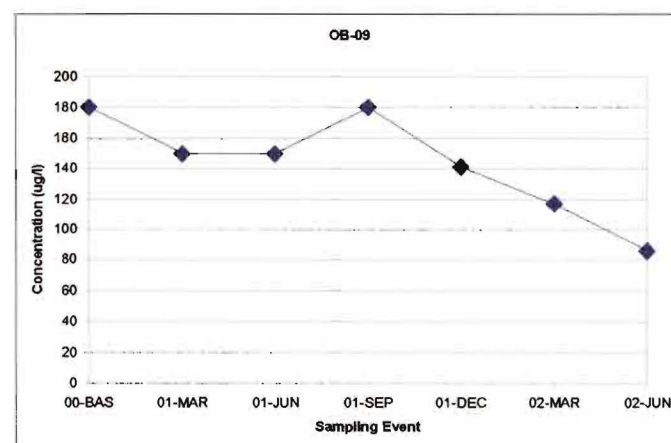
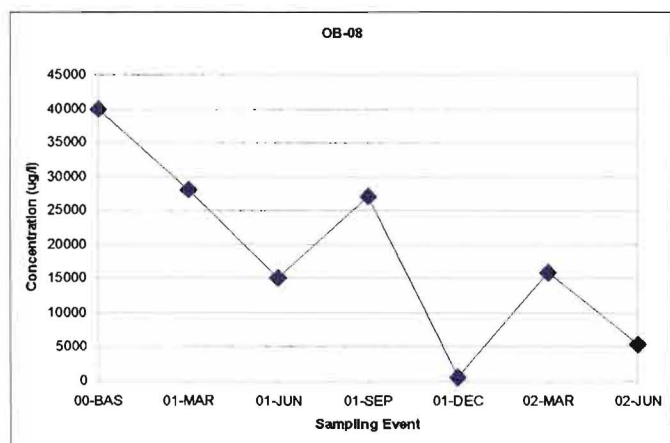
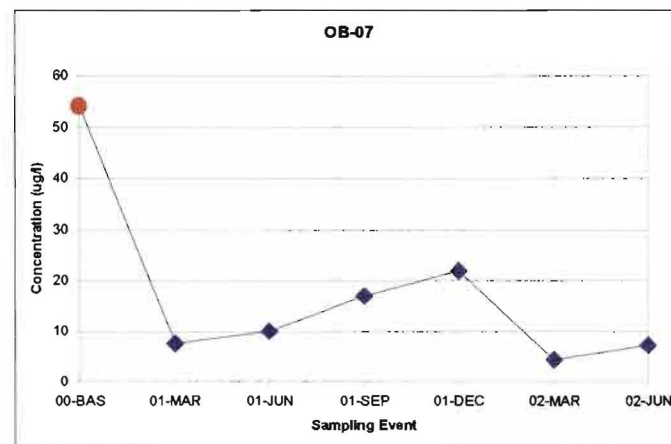
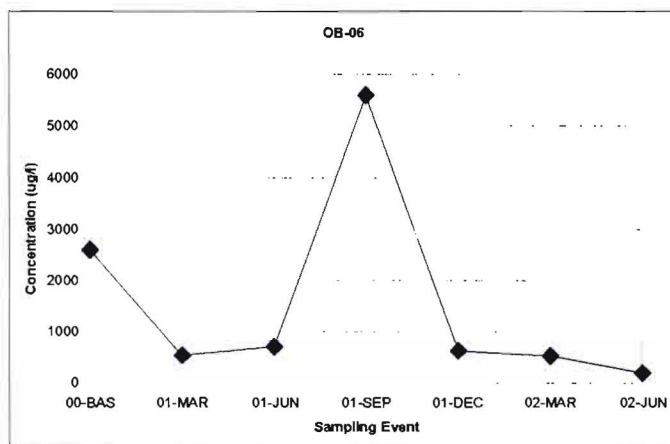
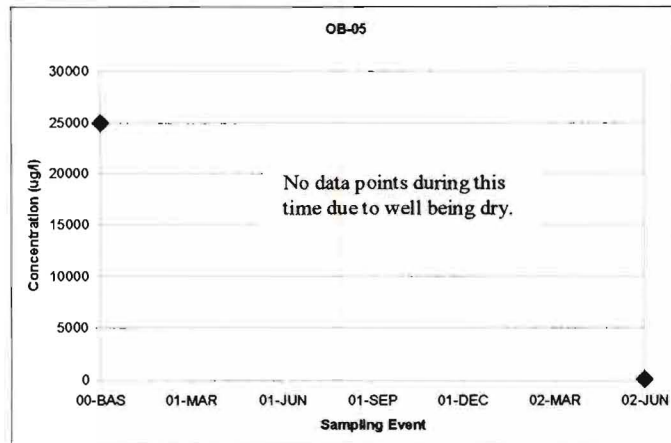
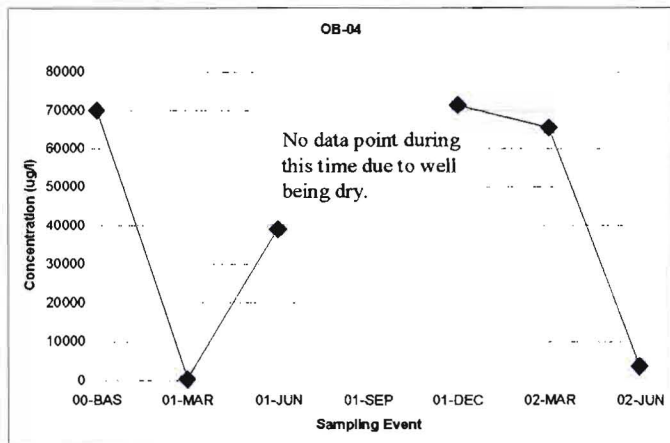
APPENDIX F

MONITOR WELL CONCENTRATION TREND GRAPHS

Appendix F

Monitor Well Concentration Trend Graphs (TCE Concentration Trends)

Overburden Wells

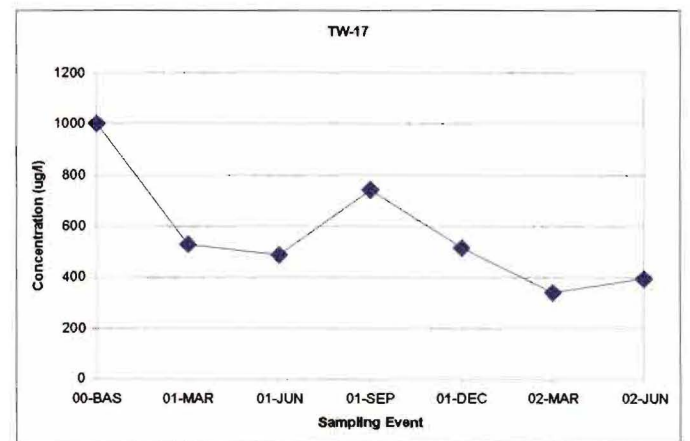
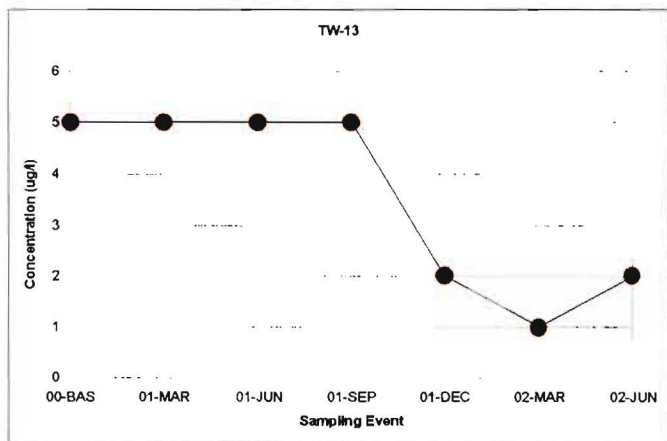
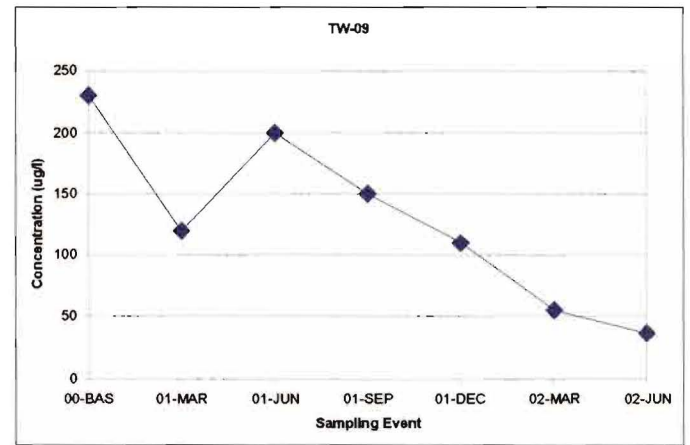
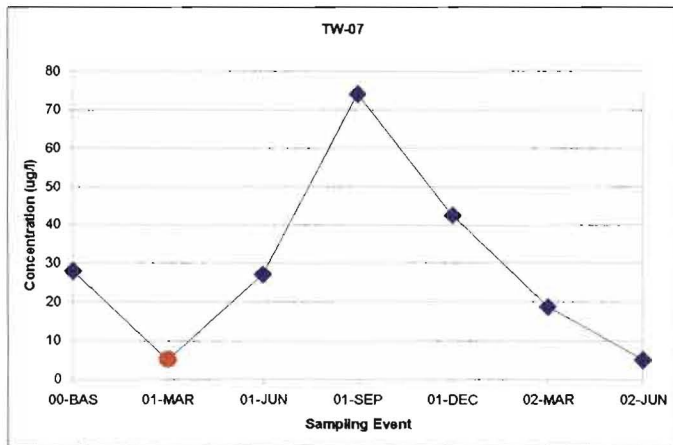
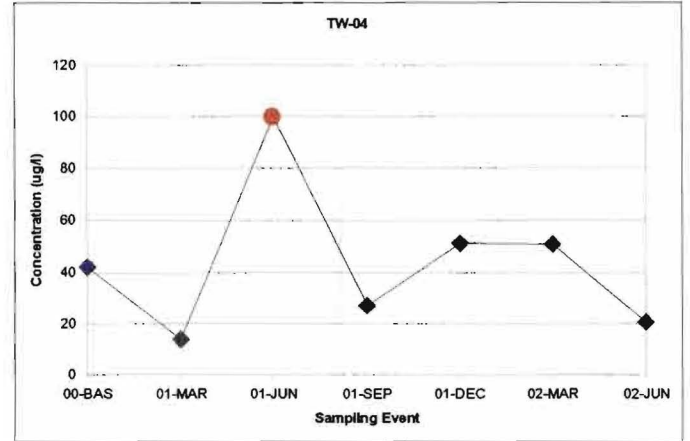
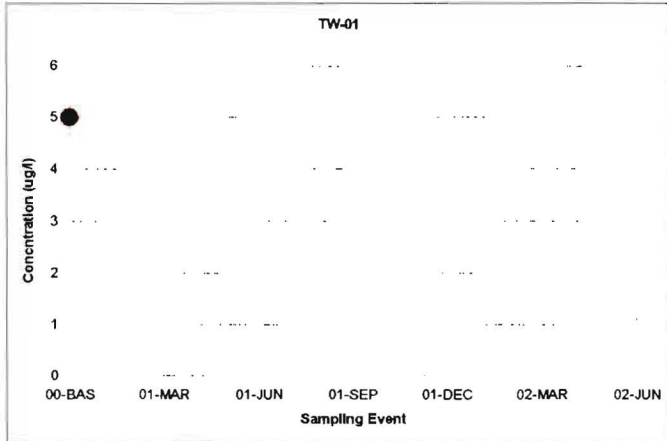


- ◆ = actual value
- = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs

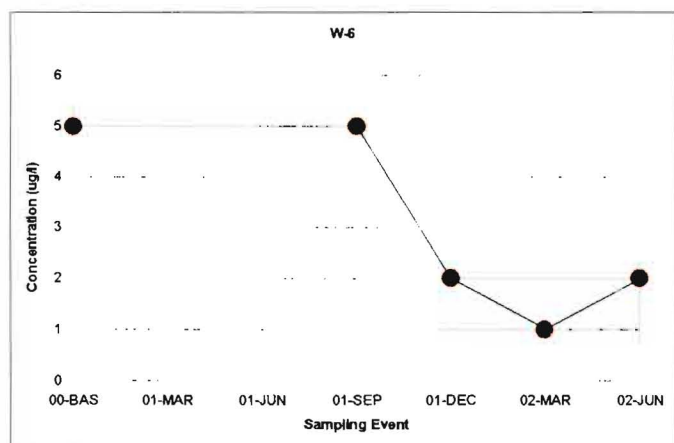
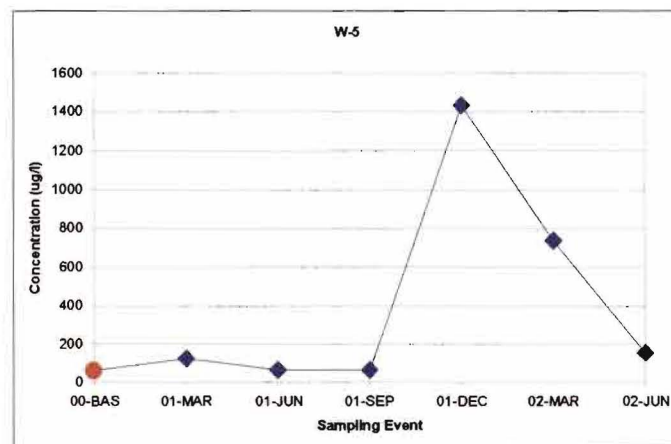
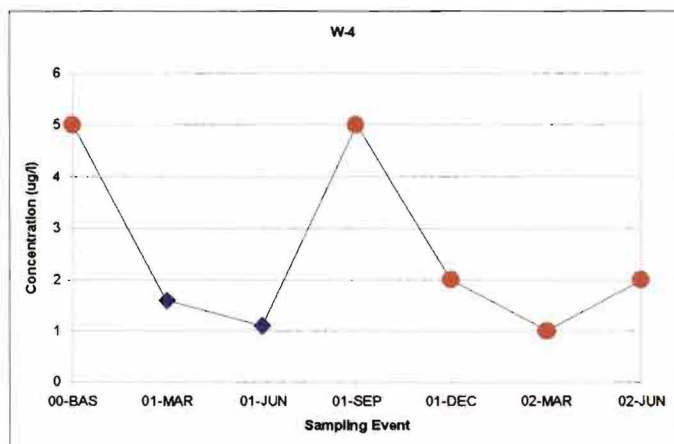
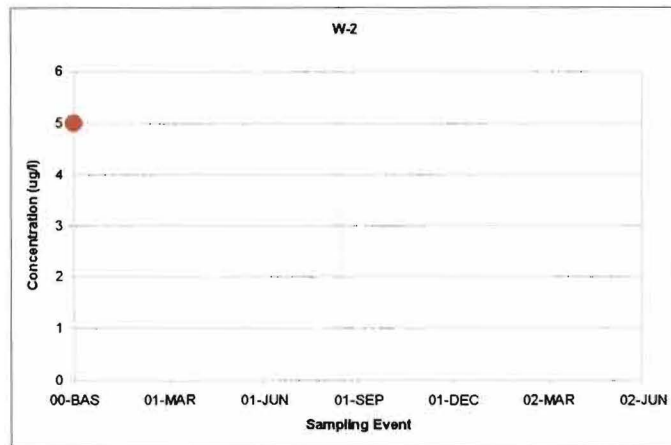
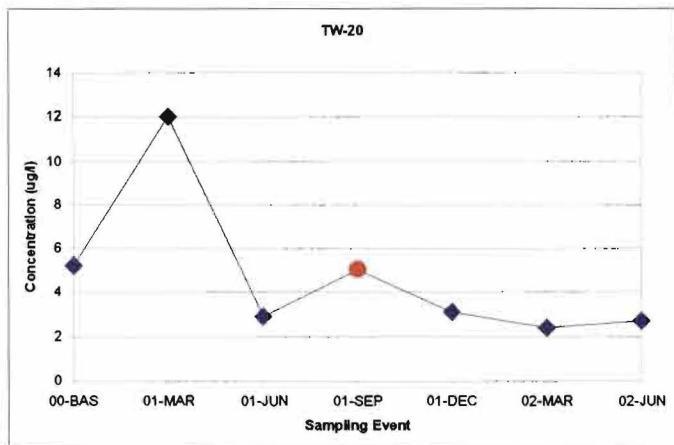
(TCE Concentration Trends)



◆ = actual value
 ● = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs (TCE Concentration Trends)

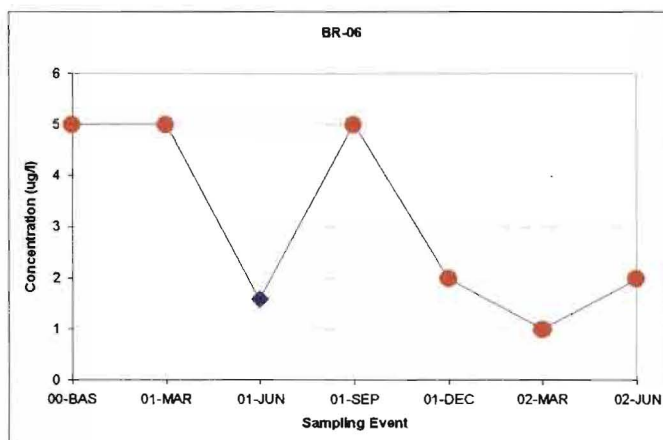
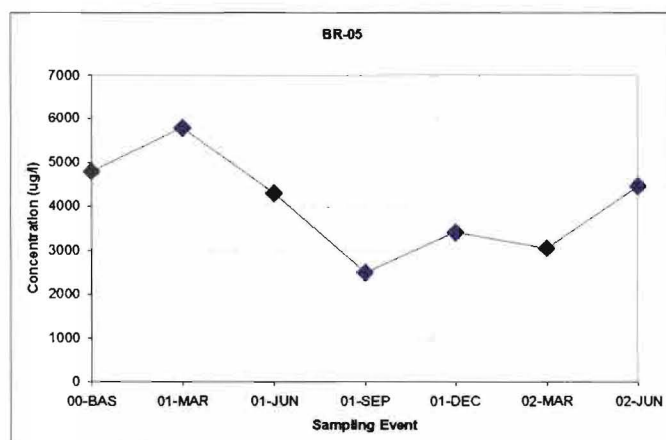
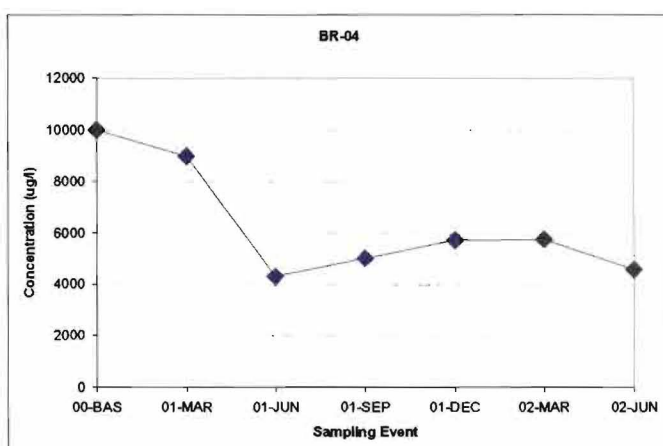
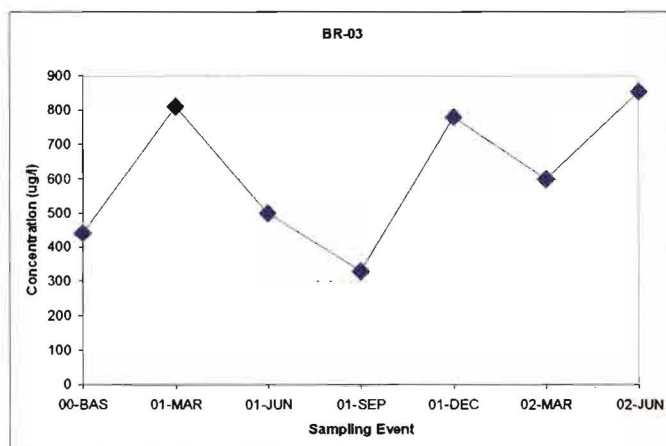
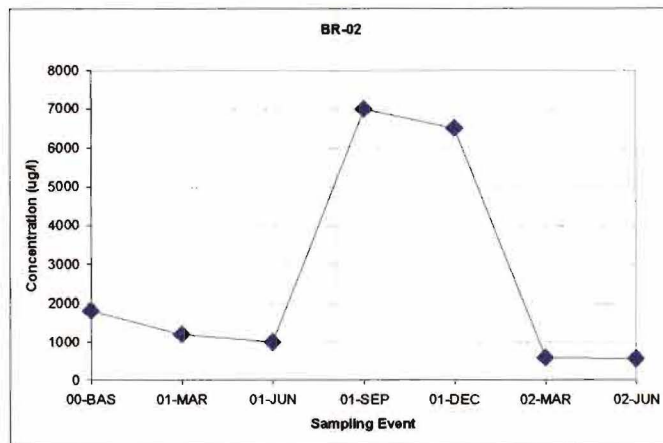
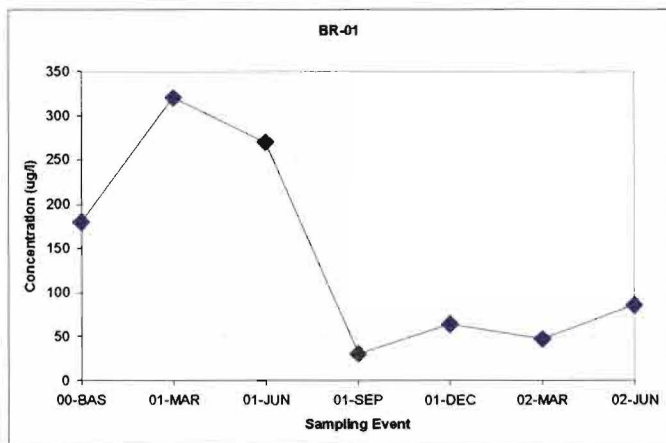


◆ = actual value
● = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs (TCE Concentration Trends)

Bedrock Wells

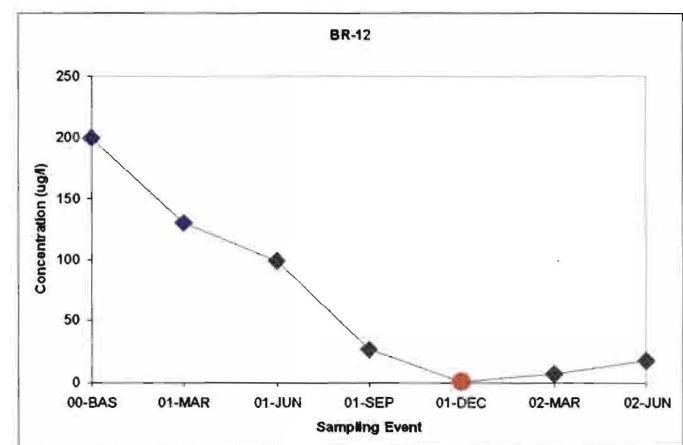
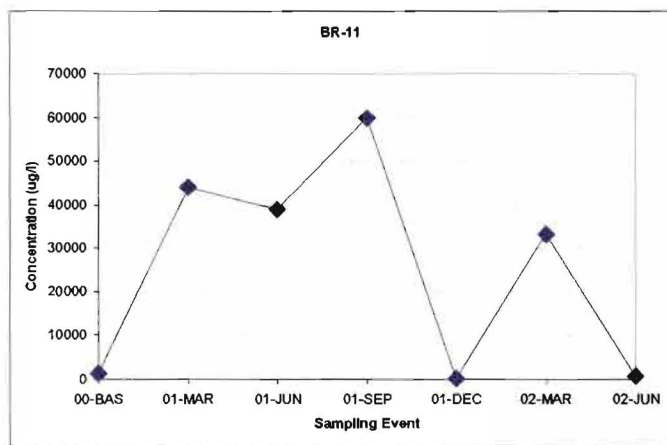
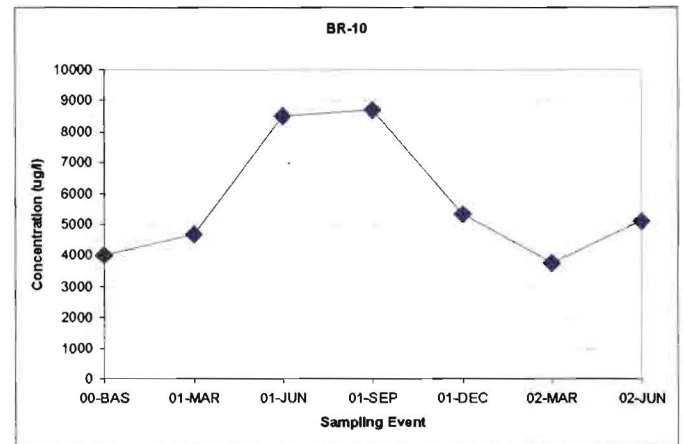
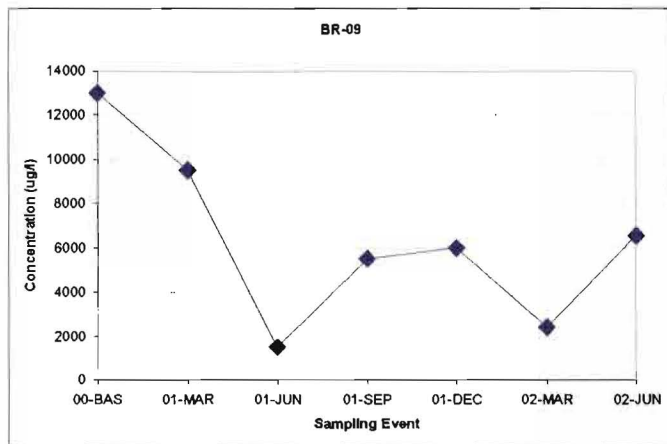
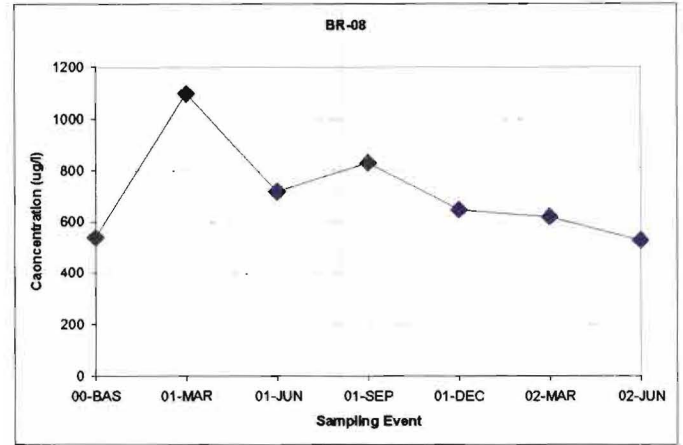
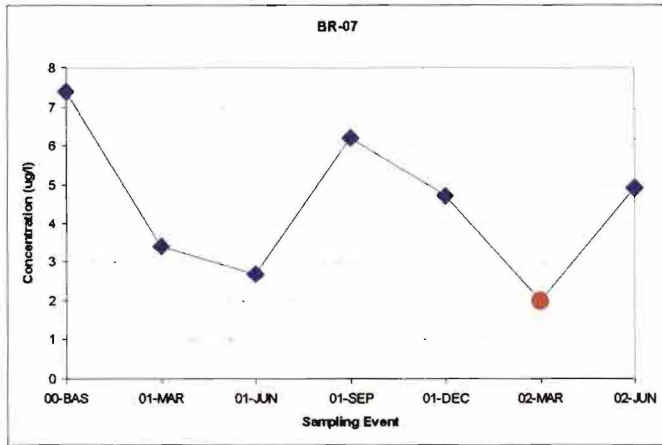


◆ = actual value
● = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs

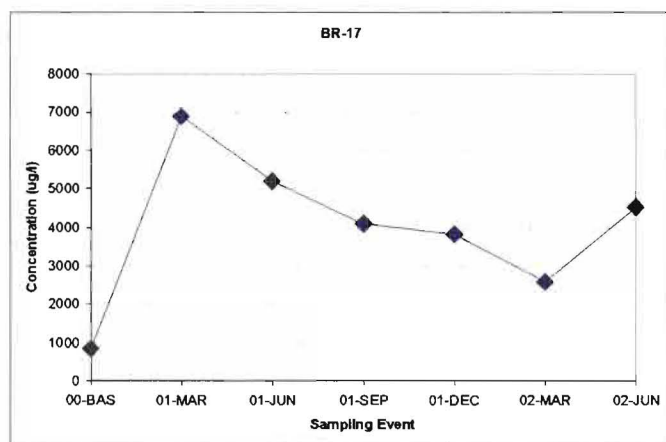
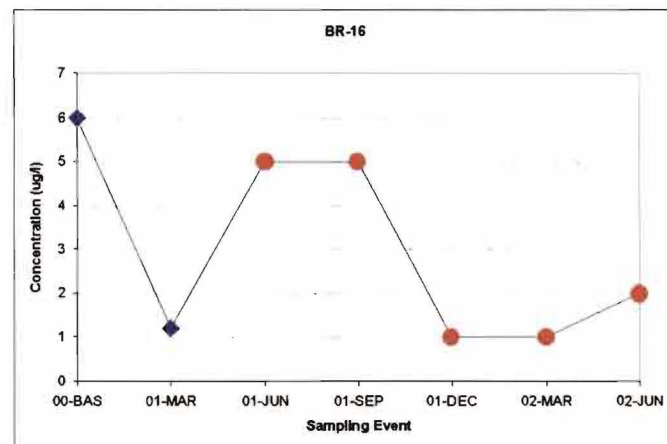
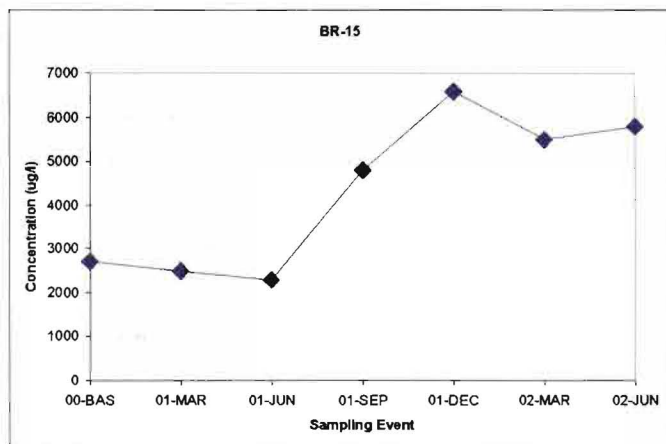
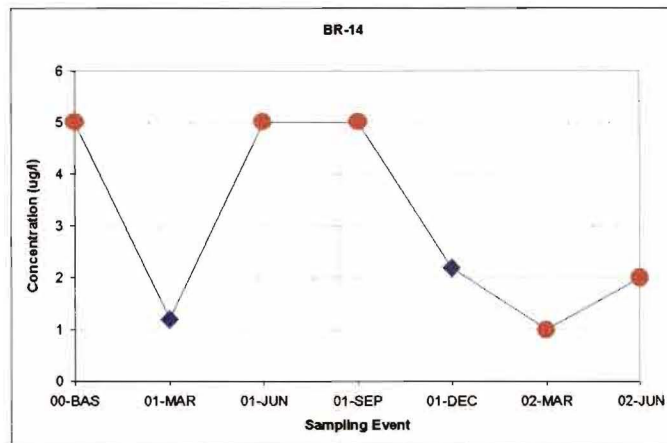
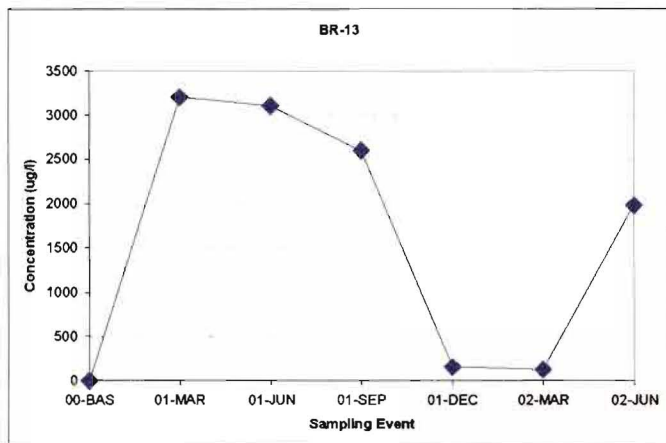
(TCE Concentration Trends)



◆ = actual value
 ● = value below graphed detection limit

Appendix F

Monitor Well Concentration Trend Graphs (TCE Concentration Trends)



◆ = actual value
● = value below graphed detection limit

